

# SETUP CHART

ManualsPlus.com



Model 667/607

## DYNA JET TUBE TESTER

D Y N A S C A N C O R P O R A T I O N

**NOTE:** Tubes marked "SEE NOTE" IAY2, IBH2, IBL2, etc. do not have sockets but can be tested as follows:

- Connect 2 pieces of wire to bottom leads or screw terminals on base of tube.
- Insert these wires into socket #3, pin numbers 1 and 12 (these pins are on each side of wide space on socket #3).
- Connect top cap to cap on tube using another wire if necessary.
- Test tube per setup instructions in chart.

**Do not touch exposed leads while testing**

**\*INDICATES MULTI-SECTION TUBE**

For your convenience we have added a foreign vs American cross reference type guide on pages 43 through 49. The foreign tube types listed may be tested on the Model 667 by simply referring to the test information for the American type number.

| TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT  | L<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT  | L<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT               | L<br>D | S<br>E<br>L |
|------|-------------|-------------|----------|--------|-------------|-------|-------------|-------------|----------|--------|-------------|--------|-------------|-------------|-----------------------|--------|-------------|
| 1A5  | A 1         | A 1         |          | F 5    | 5           | 1DG3  | A 2         | A 2         | 24569    | J 10   | 10          | 1J6*   | B 1         | A 1         |                       | F 4    | 4           |
| 1A7  | A 1         | A 1         |          | G 5    | 5           | 1D-K1 | A 3         | A 3         | SEE NOTE | H 10   | 10          |        | B 1         | A 1         |                       | F 5    | 5           |
| 1AD2 | A 3         | A 3         | 12356789 | H 10   | 10          | 1DK29 | A 3         | A 3         | SEE NOTE | G 10   | 10          | 1K3    | A 1         | A 1         | 134568                | J 10   | 10          |
| 1AJ2 | A 3         | A 3         | 13456789 | H 10   | 10          | 1DY4  | A 7         | A 7         | 16       | D 2    | 2           | 1N2    | A 1         | A 1         | 134568                | H 10   | 10          |
| 1AU2 | A 6         | A 6         | 236789   | H 1    | 1           | 1E4   | A 1         | A 1         |          | F 5    | 5           | 1N5    | A 1         | A 1         |                       | F 10   | 10          |
| 1AU3 | A 1         | A 1         | 134568   | J 10   | 10          | 1E5   | B 1         | B 1         |          | G 10   | 10          | 1N6*   | A 1         | A 1         |                       | F 5    | 5           |
| 1AX2 | A 6         | A 6         | 12689    | J 10   | 10          | 1E7*  | B 1         | B 1         |          | E 4    | 4           |        | A 1         | A 1         |                       | G 6    | 6           |
| 1AY2 | A 3         | A 3         | SEE NOTE | J 10   | 10          |       | B 1         | B 1         |          | E 5    | 5           | 1P5    | A 1         | A 1         |                       | F 10   | 10          |
| 1B3  | A 1         | A 1         | 134568   | H 10   | 10          | 1F5   | B 1         | B 1         |          | E 5    | 5           | 1Q5    | A 1         | A 1         |                       | E 5    | 5           |
| 1B7  | A 1         | A 1         |          | G 5    | 5           |       | B 1         | B 1         |          | G 4    | 4           | 1RK31  | A 6         | A 6         | 123456789             | H 10   | 10          |
| 1B8* | A 1         | A 1         |          | F 5    | 5           | 1G3   | A 1         | A 1         | 134568   | H 10   | 10          | 1R-K23 | A 6         | A 6         | 1236789               | H 10   | 10          |
|      | A 1         | A 1         |          | G 10   | 10          | 1G4   | A 1         | A 1         | 134568   | F 10   | 10          | 1R-K41 | A 6         | A 6         | 1236789               | H 10   | 10          |
|      | A 1         | A 1         |          | G 8    | 8           | 1G5   | B 1         | B 1         |          | E 5    | 5           | 1S2    | A 6         | A 6         | 12689                 | H 10   | 10          |
| 1BC2 | A 6         | A 6         | 123689   | J 10   | 10          | 1G6*  | A 1         | A 1         |          | F 4    | 4           | 1SA6   | A 1         | A 1         |                       | F 4    | 4           |
| 1BG2 | A 3         | A 3         | SEE NOTE | J 10   | 10          |       | A 1         | A 1         |          | F 5    | 5           | 1SB6*  | A 1         | A 1         |                       | G 8    | 8           |
| 1BH2 | A 3         | A 3         | SEE NOTE | J 10   | 10          | 1F7*  | B 1         | B 1         |          | G 10   | 10          |        | A 1         | A 1         |                       | G 5    | 5           |
| 1BK2 | A 6         | A 6         | 1236789  | H 10   | 10          |       | B 1         | B 1         |          | G 5    | 5           | 1T5    | A 1         | A 1         |                       | E 5    | 5           |
| 1BQ2 | A 6         | A 6         | 1236789  | J 10   | 10          | 1H2   | A 6         | A 6         | 12689    | H 10   | 10          | 1V2    | A 6         | A 6         | 236789                | H 1    | 1           |
| 1BY2 | A 3         | A 3         | 125689   | J 10   | 10          | 1H4   | B 1         | B 1         |          | F 5    | 5           | 1X2    | A 6         | A 6         | 12689                 | H 10   | 10          |
| 1C5  | A 1         | A 1         |          | F 5    | 5           | 1H5*  | A 1         | A 1         |          | G 10   | 10          | 2AF4   | B 7         | B 7         | 16                    | D 2    | 2           |
| 1C7  | B 1         | B 1         |          | F 5    | 5           |       | A 1         | A 1         |          | G 5    | 5           | 2AH2   | B 3         | B 3         | 12356789              | H 10   | 10          |
| 1D5  | B 1         | B 1         |          | F 10   | 10          | 1H6*  | B 1         | B 1         |          | F 6    | 6           | 2AS2   | B 3         | B 3         | 1235689               | H 10   | 10          |
| 1D7  | B 1         | B 1         |          | F 5    | 5           |       | B 1         | B 1         |          | G 5    | 5           | 2AV2   | A 6         | A 6         | OK OVER 40<br>1236789 | H 1    | 1           |
| 1D8* | A 1         | A 1         |          | F 5    | 5           |       | B 1         | B 1         |          | G 4    | 4           | 2AZ2   | B 6         | B 6         | 12689                 | H 10   | 10          |
|      | A 1         | A 1         |          | G 10   | 10          | 1J3   | A 1         | A 1         | 134568   | J 10   | 10          | 2B3    | A 1         | A 1         | 134568                | H 10   | 10          |
|      | A 1         | A 1         |          | G 8    | 8           | 1J5   | B 1         | B 1         |          | E 5    | 5           |        |             |             |                       |        |             |

\*See "NOTE" On Inside Front Cover

1A5-2B3



| TUBE  | H<br>T<br>T | S<br>K<br>T | LOCKOUT   | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>T | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>T | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|-----------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|
| 2BA2  | A           | 6           | 236789    | H           | 1           | 2FY5  | B           | 7           | 7       | E           | 2           | 3AU6  | C           | 7           | 7          | D           | 1           |
| 2BJ2  | B           | 6           | 1236789   | G           | 10          | 2GK5  | B           | 7           | 7       | E           | 2           | 3AV6* | C           | 7           | 7          | F           | 1           |
| 2BN4  | B           | 7           | 12        | E           | 7           | 2GU5  | B           | 7           | 2       | E           | 1           |       | C           | 7           | 7          | G           | 5           |
| 2BU2  | B           | 3           | 123456789 | H           | 10          | 2GW5  | B           | 7           | 6       | D           | 2           |       | C           | 7           | 7          | G           | 6           |
| 2CN3  | B           | 1           | 134568    | J           | 10          | 2HA5  | B           | 7           | 7       | E           | 1           | 3AW2  | C           | 3           | 1235689    | J           | 10          |
| 2CW4  | B           | 4           |           | H           | 2           | 2HK5  | B           | 7           | 7       | E           | 1           | 3AW3  | C           | 1           | 1358       | H           | 10          |
| 2CY5  | B           | 7           | 2         | E           | 1           | 2HM5  | B           | 7           | 7       | D           | 1           | 3B2   | C           | 1           | 134568     | J           | 10          |
| 2DF4  | B           | 6           | 279       | B           | 8           | 2HQ5  | B           | 7           | 7       | E           | 1           | 3B5   | C           | 1           | 8          | E           | 5           |
| 2DS4  | B           | 4           |           | H           | 2           | 2HR8  | B           | 6           | 2       | F           | 9           | 3BA6  | C           | 7           |            | D           | 1           |
| 2DX4  | B           | 7           | 16        | D           | 2           | 2J2   | B           | 6           | 1236789 | H           | 10          | 3BC5  | C           | 7           | 2          | E           | 1           |
| 2DY4  | B           | 7           | 16        | D           | 2           | 2T4   | B           | 7           | 16      | D           | 2           | 3BE6  | C           | 7           |            | D           | 1           |
| 2DZ4  | B           | 7           | 16        | D           | 2           | 2V2   | B           | 1           | 134568  | J           | 10          | 3BF2  | C           | 3           | 123567890  | G           | 10          |
| 2E24  | E           | 1           | 14        | C           | 5           | 2V3   | B           | 1           |         | H           | 10          | 3BH2  | C           | 10          | 1236789    | J           | 10          |
| 2E26  | E           | 1           | 14        | A           | 5           | 2W3   | B           | 11          | 9       | B           | 4           | 3BL2  | C           | 3           | 123456789  | J           | 10          |
| 2E30  | E           | 7           | 7         | C           | 1           | 3A2   | C           | 6           | 12689   | H           | 10          | 3BM2  | C           | 3           | 123456789  | H           | 10          |
| 2EA5  | B           | 7           | 2         | E           | 1           | 3A3   | C           | 1           | 1358    | H           | 10          | 3BN2  | C           | 3           | 1235689    | J           | 10          |
| 2EG4  | B           | 4           |           | H           | 2           | 3A8*  | C           | 1           | 1       | G           | 10          | 3BN4  | C           | 7           | 12         | E           | 7           |
| 2EN5* | B           | 7           |           | F           | 2           |       | C           | 1           | 1       | G           | 8           | 3BN6  | C           | 7           |            | H           | 5           |
|       | B           | 7           |           | F           | 7           |       | C           | 1           | 1       | G           | 5           | 3BS2  | C           | 3           | 1234567890 | J           | 10          |
| 2ER5  | B           | 7           | 7         | E           | 2           | 3AB4  | C           | 7           |         | E           | 6           | 3BT2  | C           | 3           | 123456789  | H           | 10          |
| 2ES5  | B           | 7           | 7         | E           | 2           | 3AF4  | C           | 7           | 16      | D           | 2           | 3BU8  | C           | 6           |            | D           | 7           |
| 2EV5  | B           | 7           | 2         | E           | 1           | 3AJ8* | C           | 6           |         | E           | 2           | 3BW2  | C           | 3           | 123456789  | H           | 10          |
| 2FH5  | B           | 7           | 7         | E           | 2           |       | C           | 6           |         | F           | 9           | 3BX6  | C           | 6           | 1          | D           | 2           |
| 2FQ5  | B           | 7           | 7         | E           | 2           | 3AL5* | C           | 7           |         | E           | 2           | 3BY6  | C           | 7           |            | D           | 1           |
| 2FS5  | B           | 7           | 2         | D           | 1           |       | C           | 7           |         | E           | 7           | 3BY7  | C           | 6           | 1          | D           | 2           |
| 2FV6  | B           | 7           |           | E           | 1           | 3AT2  | C           | 3           | 1235689 | H           | 10          | 3BZ6  | C           | 7           |            | D           | 1           |

\*See "NOTE" On Inside Front Cover

2BA2-3BZ6



| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 3C2   | C           | 1           | 134568  | H           | 10          | 3DR3  | C           | 2           | 12569   | H           | 10          | 3HM6   | C           | 6           | 1       | D           | 2           |
| 3C5   | C           | 1           | 8       | F           | 5           | 3DS3  | C           | 2           | 12569   | H           | 10          | 3HQ5   | C           | 7           | 7       | E           | 1           |
| 3CA3  | C           | 1           | 134568  | H           | 10          | 3DT6  | C           | 7           |         |             |             | 3HS8   | C           | 6           |         | D           | 7           |
| 3CB6  | C           | 7           |         | D           | 1           | 3DX4  | C           | 7           | 16      |             |             | 3HT6   | C           | 6           | 1       | D           | 2           |
| 3CE5  | C           | 7           | 2       | E           | 1           | 3DY4  | C           | 7           | 16      |             |             | 3JC6   | C           | 6           | 1       | D           | 2           |
| 3CF6  | C           | 7           |         | D           | 1           | 3DZ4  | C           | 7           | 16      |             |             | 3JD6   | C           | 6           | 1       | D           | 2           |
| 3CN3  | C           | 1           | 134568  | J           | 10          | 3EA5  | C           | 7           | 2       |             |             | 3KF8   | C           | 6           |         | D           | 7           |
| 3CQ3  | C           | 1           | 134568  | H           | 10          | 3EH7  | C           | 6           | 36      |             |             | 3KT6   | C           | 6           | 1       | D           | 2           |
| 3CS6  | C           | 7           |         | D           | 1           | 3EJ7  | C           | 6           | 36      |             |             | 3MP26  | C           | 7           | 7       | F           | 1           |
| 3CU3  | C           | 1           | 1358    | H           | 10          | 3ER5  | C           | 7           | 7       |             |             | 3M-R24 | C           | 7           |         | D           | 1           |
| 3CV3  | C           | 1           | 134568  | H           | 10          | 3ES5  | C           | 7           | 7       |             |             | 3M-V7  | C           | 7           |         | D           | 1           |
| 3CX3  | C           | 2           | 24569   | H           | 10          | 3EV5  | C           | 7           | 2       |             |             | 3Q5    | C           | 1           | 8       | E           | 5           |
| 3CY3  | C           | 1           | 1358    | J           | 10          | 3FH5  | C           | 7           | 7       |             |             | 4A6*   | C           | 1           | 8       | G           | 4           |
| 3CY5  | C           | 7           | 2       | E           | 1           | 3FQ5  | C           | 7           | 7       |             |             |        | C           | 1           | 8       | G           | 5           |
| 3CZ3  | C           | 1           | 1358    | H           | 10          | 3FS5  | C           | 7           | 2       |             |             | 4AB8*  | C           | 6           |         | D           | 9           |
| 3DA3  | C           | 2           | 24569   | H           | 10          | 3FX7* | C           | 6           | 9       |             |             | 4AU6   | C           | 7           |         | F           | 2           |
| 3D21  | H           | 1           | 1       | C           | 6           |       | C           | 6           | 9       |             |             | 4AU8*  | C           | 6           |         | D           | 1           |
| 3DB3  | C           | 1           | 1358    | J           | 10          | 3FY5  | C           | 7           | 1       |             |             |        | C           | 6           |         | D           | 7           |
| 3DC3  | C           | 1           | 134568  | J           | 10          | 3GK5  | C           | 7           | 7       |             |             |        | C           | 6           |         | D           | 2           |
| 3DF3  | C           | 2           | 24569   | H           | 10          | 3GS8  | C           | 6           |         |             |             | 4AV6*  | C           | 7           |         | F           | 1           |
| 3DG4* | C           | 2           | 2       | A           | 5           | 3GU5  | C           | 7           | 2       |             |             |        | C           | 7           |         | G           | 5           |
|       | C           | 2           | 2       | A           | 7           | 3GW5  | C           | 7           | 6       |             |             |        | C           | 7           |         | G           | 6           |
| 3DH3  | C           | 2           | 4569    | H           | 10          | 3GY5  | C           | 3           | 1457    |             |             | 4BA6   | C           | 7           |         | D           | 1           |
| 3DJ3  | C           | 1           | 134568  | J           | 10          | 3HA5  | C           | 7           | 7       |             |             | 4BC5   | C           | 7           | 2       | E           | 1           |
| 3DK6  | C           | 7           |         | D           | 1           | 3HK5  | C           | 7           | 7       |             |             | 4BC8*  | C           | 6           |         | E           | 2           |
| 3DL3  | C           | 9           | 136789  | A           | 2           | 3HM5  | C           | 7           | 7       |             |             |        | C           | 6           |         | E           | 7           |

\*See "NOTE" On Inside Front Cover

3C2-4BC8

| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 4BE6  | C           | 7           |         | D           | 1           | 4DK6  | C           | 7           |         | D           | 1           | 4HA7* | C           | 3           | 5       | E           | 1           |
| 4BL8* | C           | 6           |         | D           | 2           | 4DL4  | C           | 6           | 1379    | D           | 6           |       | C           | 3           | 5       | E           | 9           |
|       | C           | 6           |         | D           | 9           | 4DL5  | C           | 7           | 7       | C           | 1           | 4HC7* | C           | 3           | 7       | D           | 9           |
| 4BN4  | C           | 7           | 12      | E           | 7           | 4DT6  | C           | 7           |         | E           | 1           |       | C           | 3           | 7       | G           | 1           |
| 4BN6  | C           | 7           |         | H           | 5           | 4EH7  | C           | 6           | 3       | D           | 2           | 4HG8* | C           | 6           | 3       | D           | 2           |
| 4BQ7* | C           | 6           |         | E           | 2           | 4EJ7  | C           | 6           | 3       | D           | 2           |       | C           | 6           | 3       | D           | 6           |
|       | C           | 6           |         | E           | 7           | 4ER5  | C           | 7           | 7       | E           | 2           | 4HK5  | C           | 7           | 7       | E           | 1           |
| 4BS8* | C           | 6           |         | E           | 2           | 4ES8* | C           | 6           |         | D           | 2           | 4HM5  | C           | 7           | 7       | D           | 1           |
|       | C           | 6           |         | E           | 7           |       | C           | 6           |         | D           | 7           | 4HM6  | C           | 6           | 1       | D           | 2           |
| 4BU8  | C           | 6           |         | D           | 7           | 4EW6  | C           | 7           |         | D           | 1           | 4HQ5  | C           | 7           | 7       | E           | 1           |
| 4BX6  | C           | 6           | 1       | D           | 2           | 4FS7* | C           | 6           | 3       | D           | 2           | 4HR8  | C           | 6           | 2       | F           | 9           |
| 4BX8* | C           | 6           |         | E           | 2           |       | C           | 6           | 3       | D           | 6           | 4HS8  | C           | 6           |         | D           | 7           |
|       | C           | 6           |         | E           | 7           | 4GJ7* | C           | 6           | 3       | D           | 2           | 4HT6  | C           | 6           | 1       | D           | 2           |
| 4BZ6  | C           | 7           |         | D           | 1           |       | C           | 6           | 3       | E           | 9           | 4JC6  | C           | 6           | 1       | D           | 2           |
| 4BZ7* | C           | 6           |         | E           | 2           | 4GK5  | C           | 7           | 7       | E           | 2           | 4JD6  | C           | 6           | 1       | D           | 2           |
|       | C           | 6           |         | E           | 7           | 4GM6  | C           | 7           |         | D           | 1           | 4JH6  | C           | 7           |         | D           | 1           |
| 4BZ8* | C           | 6           |         | E           | 2           | 4GS7* | C           | 6           | 3       | D           | 1           | 4JK6  | C           | 7           |         | D           | 1           |
|       | C           | 6           |         | E           | 7           |       | C           | 6           | 3       | D           | 9           | 4JL6  | C           | 7           |         | D           | 1           |
| 4CB6  | C           | 7           |         | D           | 1           | 4GS8  | C           | 6           |         | D           | 7           | 4JW8* | C           | 6           |         | D           | 9           |
| 4CE5  | C           | 7           | 2       | E           | 1           | 4GW5  | C           | 7           | 6       | D           | 2           |       | C           | 6           |         | C           | 2           |
| 4CM4  | C           | 6           | 1238    | E           | 6           | 4GX6  | C           | 7           |         | E           | 1           |       | C           | 6           |         | E           | 2           |
| 4CS6  | C           | 7           |         | E           | 1           | 4GX7* | C           | 6           | 3       | D           | 2           | 4KE8* | C           | 6           |         | D           | 9           |
| 4CX7* | C           | 6           | 9       | E           | 2           |       | C           | 6           | 3       | D           | 9           |       | C           | 6           |         | E           | 2           |
|       | C           | 6           | 9       | E           | 7           | 4GZ5  | C           | 7           | 5       | C           | 2           | 4KF8  | C           | 6           |         | D           | 7           |
| 4CY5  | C           | 7           | 2       | E           | 1           | 4HA5  | C           | 7           | 7       | E           | 1           | 4KN8* | C           | 6           |         | D           | 2           |
| 4DE6  | C           | 7           |         | D           | 1           |       |             |             |         |             |             |       | C           | 6           |         | D           | 7           |

\*See "NOTE" On Inside Front Cover

4BE6-4KN8



| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT           | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|-------------------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 4KT6    | C 6         | 6           | 1       | D 2         | 2           | 5AR4* | D 11        | 11          | 9                 | A 4         | 4           | 5BK7* | D 6         | 6           |         | E 2         | 2           |
| 4LJ8*   | C 6         | 6           | 3       | D 1         | 1           |       | D 11        | 11          | 9                 | A 6         | 6           |       | D 6         | 6           |         | E 7         | 7           |
|         | C 6         | 6           | 3       | D 9         | 9           | 5AS4* | D 11        | 11          | OK OVER 50<br>9   | A 4         | 4           | 5BQ5  | D 6         | 6           |         | C 2         | 2           |
| 4LU6    | C 7         | 7           |         | B 1         | 1           |       | D 11        | 11          | OK OVER 50<br>9   | A 6         | 6           | 5BQ7* | D 6         | 6           |         | E 2         | 2           |
| 4MK8    | C 6         | 6           |         | E 7         | 7           | 5AS8* | D 6         | 6           |                   | D 2         | 2           |       | D 6         | 6           |         | E 7         | 7           |
| 4M-P12  | D 7         | 7           |         | C 1         | 1           |       | D 6         | 6           |                   | F 6         | 6           | 5BR8* | D 6         | 6           |         | D 1         | 1           |
| 4R-HH2* | C 6         | 6           |         | E 2         | 2           | 5AT4* | D 11        | 11          | 9                 | A 4         | 4           |       | D 6         | 6           |         | D 9         | 9           |
|         | C 6         | 6           |         | E 7         | 7           |       | D 11        | 11          | 9                 | A 6         | 6           | 5BS8* | D 6         | 6           |         | E 2         | 2           |
| 4R-HH6* | C 6         | 6           | 9       | D 2         | 2           | 5AT8* | D 6         | 6           |                   | D 1         | 1           |       | D 6         | 6           |         | E 7         | 7           |
|         | C 6         | 6           | 9       | D 7         | 7           |       | D 6         | 6           |                   | D 9         | 9           | 5BT8* | D 6         | 6           |         | D 8         | 8           |
| 4RHH8*  | C 6         | 6           |         | D 2         | 2           | 5AU4* | D 11        | 11          | 9                 | A 4         | 4           |       | D 6         | 6           |         | G 2         | 2           |
|         | C 6         | 6           |         | D 7         | 7           |       | D 11        | 11          | 9                 | A 6         | 6           |       | D 6         | 6           |         | G 1         | 1           |
| 4RHH15* | C 6         | 6           |         | E 2         | 2           | 5AV8* | D 6         | 6           |                   | E 2         | 2           | 5BW8* | D 6         | 6           |         | D 6         | 6           |
|         | C 6         | 6           |         | E 7         | 7           |       | D 6         | 6           |                   | E 6         | 6           |       | D 6         | 6           |         | F 3         | 3           |
| 5AF4    | D 7         | 7           | 16      | D 2         | 2           | 5AW4* | D 11        | 11          | OK OVER 50<br>9   | A 4         | 4           |       | D 6         | 6           |         | F 1         | 1           |
| 5AF11*  | D 3         | 3           |         | C 1         | 1           |       | D 11        | 11          | OK OVER 50<br>9   | A 6         | 6           | 5BZ7* | D 6         | 6           |         | E 2         | 2           |
|         | D 3         | 3           |         | F 6         | 6           | 5AX4* | D 11        | 11          | 9                 | A 4         | 4           |       | D 6         | 6           |         | E 7         | 7           |
|         | D 3         | 3           |         | F 3         | 3           |       | D 11        | 11          | 9                 | A 6         | 6           | 5CG4* | D 11        | 11          | 9       | A 4         | 4           |
| 5AM8*   | D 6         | 6           |         | D 2         | 2           | 5AZ3* | D 3         | 3           | 12345890          | A 7         | 7           |       | D 11        | 11          | 9       | A 6         | 6           |
|         | D 6         | 6           |         | F 8         | 8           |       | D 3         | 3           | 12345890          | A 6         | 6           | 5CG8* | D 6         | 6           | 3       | E 1         | 1           |
| 5AN8*   | D 6         | 6           |         | D 2         | 2           | 5B8*  | D 6         | 6           | 7                 | D 2         | 2           |       | D 6         | 6           | 3       | E 9         | 9           |
|         | D 6         | 6           |         | D 8         | 8           |       | D 6         | 6           | 23                | D 6         | 6           | 5CL8* | D 6         | 6           |         | D 1         | 1           |
| 5AQ4*   | D 11        | 11          | 9       | B 4         | 4           | 5BC3* | D 8         | 8           | OK OVER 50<br>268 | A 5         | 5           |       | D 6         | 6           |         | D 9         | 9           |
|         | D 11        | 11          | 9       | B 6         | 6           |       | D 8         | 8           | OK OVER 50<br>268 | A 9         | 9           | 5CM6  | D 6         | 6           | 6       | C 3         | 3           |
| 5AQ5    | D 7         | 7           | 7       | C 1         | 1           | 5BE8* | D 6         | 6           | 6789              | D 1         | 1           | 5CM8* | D 6         | 6           |         | E 2         | 2           |
|         |             |             |         |             |             |       | D 6         | 6           | 12                | D 9         | 9           |       | D 6         | 6           |         | F 9         | 9           |

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4KT6-5CM8



| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE     | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|----------|-------------|-------------|---------|-------------|-------------|
| 5CQ8* | D 6         |             |         | D           | 9           | 5GH8*   | D 6         | 6           | 8       | D           | 2           | 5JW8*    | D 6         | 6           |         | D           | 9           |
|       | D 6         |             |         | D           | 2           |         | D 6         | 6           | 7       | D           | 9           |          | D 6         | 6           |         | C           | 2           |
| 5CR8* | D 6         |             | 19      | D           | 2           | 5GJ7*   | D 6         | 6           | 3       | D           | 2           | 5KD8*    | D 6         | 6           |         | D           | 2           |
|       | D 6         |             | 3       | E           | 9           |         | D 6         | 6           | 3       | E           | 9           |          | D 6         | 6           |         | D           | 9           |
| 5CU4* | D 11        |             | 9       | A           | 4           | 5G-K20* | D 11        | 11          | 9       | A           | 4           | 5KE8*    | D 6         | 6           |         | D           | 9           |
|       | D 11        |             | 9       | A           | 6           |         | D 11        | 11          | 9       | A           | 6           |          | D 6         | 6           |         | E           | 2           |
| 5CZ5  | D 6         |             | 68      | C           | 3           | 5GM6    | D 7         | 7           |         | D           | 1           | 5KZ8*    | D 6         | 6           |         | D           | 2           |
| 5DB4* | D 11        |             | 9       | A           | 4           | 5GS7*   | D 6         | 6           | 3       | D           | 9           |          | D 6         | 6           |         | D           | 9           |
|       | D 11        |             | 9       | A           | 6           |         | D 6         | 6           | 3       | E           | 1           | 5LJ8*    | D 6         | 6           | 3       | D           | 1           |
| 5DH8* | D 6         |             | 12      | D           | 9           | 5GX6    | D 7         | 7           |         | E           | 1           |          | D 6         | 6           | 3       | D           | 9           |
|       | D 6         |             | 6789    | D           | 1           | 5GX7*   | D 6         | 6           | 3       | D           | 2           | 5MB8*    | D 6         | 6           |         | D           | 1           |
| 5DJ4* | D 1         |             | 1458    | A           | 3           |         | D 6         | 6           | 3       | D           | 9           |          | D 6         | 6           |         | E           | 9           |
|       | D 1         |             | 1458    | A           | 6           | 5HA7*   | D 3         | 3           | 5       | E           | 1           | 5MF8*    | D 3         | 3           | 7       | A           | 6           |
| 5EA8* | D 6         |             |         | D           | 9           |         | D 3         | 3           | 5       | E           | 9           |          | D 3         | 3           | 7       | E           | 10          |
|       | D 6         |             |         | D           | 2           | 5HB7*   | D 6         | 6           | 3       | D           | 2           | 5M-HH3*  | D 7         | 7           |         | E           | 5           |
| 5EH8* | D 6         |             | 1       | D           | 2           |         | D 6         | 6           | 3       | D           | 9           |          | D 7         | 7           |         | E           | 6           |
|       | D 6         |             | 1       | D           | 7           | 5HC7*   | D 3         | 3           |         | D           | 9           | 5M-K9    | D 7         | 7           |         | B           | 5           |
| 5ES8* | D 6         |             |         | E           | 2           |         | D 3         | 3           |         | G           | 1           | 5MQ8*    | D 6         | 6           |         | E           | 2           |
|       | D 6         |             |         | E           | 7           | 5HG8*   | D 6         | 6           | 3       | D           | 2           |          | D 6         | 6           |         | D           | 9           |
| 5EU8* | D 6         |             |         | D           | 2           |         | D 6         | 6           | 3       | D           | 6           | 5N1039A  | D 7         | 7           | 2       | E           | 1           |
|       | D 6         |             |         | D           | 7           | 5HZ6    | D 7         | 7           |         | F           | 1           | 5P-29    | E 1         | 1           |         | C           | 5           |
| 5EW6  | D 7         |             |         | D           | 1           | 5J6*    | D 7         | 7           |         | E           | 5           | 5R4*     | D 11        | 11          | 9       | A           | 4           |
| 5FG7* | D 6         |             | 3       | D           | 9           |         | D 7         | 7           |         | E           | 6           |          | D 11        | 11          | 9       | A           | 6           |
|       | D 6         |             | 3       | E           | 1           | 5JK6    | D 7         | 7           |         | D           | 1           | 5R-DDH1* | D 6         | 6           |         | D           | 1           |
| 5FV8* | D 6         |             |         | D           | 1           | 5JL6    | D 7         | 7           |         | D           | 1           |          | D 6         | 6           |         | E           | 6           |
|       | D 6         |             |         | D           | 9           |         |             |             |         |             |             |          | D 6         | 6           |         | F           | 8           |

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5CQ8-5R-DDH1

| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|-----------------|-------------|-------------|-------|-------------|-------------|-----------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 5R-HP1* | C 6         | D 11        |                 | D 2         | 5           | 5W4*  | D 11        | D 11        | OK OVER 50<br>9 | B 4         | 4           | 6AC9*  | D 3         | D 3         | 4       | D 2         | 2           |
|         | C 6         | D 11        |                 | D 9         | 6           |       | D 11        | D 11        | OK OVER 50<br>9 | B 6         | 6           |        | D 3         | D 3         | 2       | D 3         | 3           |
| 5R-HR1* | D 6         | D 11        |                 | D 2         | 2           | 5X4*  | D 11        | D 11        |                 | A 3         | 3           |        | D 3         | D 3         | 2       | D 9         | 9           |
|         | D 6         | D 11        |                 | D 9         | 9           |       | D 11        | D 11        |                 | A 5         | 5           | 6AC10* | D 3         | D 3         |         | E 1         | 1           |
| 5R-K16* | D 6         | D 6         |                 | A 1         | 1           | 5X8*  | D 6         | D 6         |                 | E 2         | 2           |        | D 3         | D 3         |         | E 7         | 7           |
|         | D 6         | D 6         |                 | A 8         | 8           |       | D 6         | D 6         |                 | E 7         | 7           |        | D 3         | D 3         |         | E 9         | 9           |
| 5T4*    | D 11        | D 5         | OK OVER 50<br>9 | A 4         | 4           | 5X9*  | D 5         | D 5         |                 | D 3         | 3           | 6AD7*  | E 1         | E 1         |         | G 1         | 1           |
|         | D 11        | D 5         | OK OVER 50<br>9 | A 6         | 6           |       | D 5         | D 5         |                 | E 10        | 10          |        | E 1         | E 1         |         | F 5         | 5           |
| 5T8*    | D 6         | D 11        |                 | F 8         | 8           | 5Y3*  | D 11        | D 11        | OK OVER 50<br>9 | B 4         | 4           | 6AD8*  | D 6         | D 6         |         | F 2         | 2           |
|         | D 6         | D 11        |                 | G 2         | 2           |       | D 11        | D 11        | OK OVER 50<br>9 | B 6         | 6           |        | D 6         | D 6         |         | G 8         | 8           |
|         | D 6         | D 11        |                 | G 6         | 6           | 5Y4*  | D 11        | D 11        |                 | B 3         | 3           |        | D 6         | D 6         |         | G 7         | 7           |
|         | D 6         | D 11        |                 | G 1         | 1           |       | D 11        | D 11        |                 | B 5         | 5           | 6AD10* | E 3         | E 3         |         | E 3         | 3           |
| 5U4*    | D 11        | D 4         | OK OVER 50<br>9 | A 4         | 4           | 5Z4*  | D 11        | D 11        | 9               | A 4         | 4           |        | E 3         | E 3         |         | C 8         | 8           |
|         | D 11        | D 4         | OK OVER 50<br>9 | A 6         | 6           |       | D 11        | D 11        | 9               | A 6         | 6           | 6AE5   | D 1         | D 1         |         | G 5         | 5           |
| 5U8*    | D 6         | D 2         |                 | D 2         | 2           | 5Z10* | D 11        | D 11        | 9               | A 4         | 4           | 6AE6   | D 1         | D 1         |         | F 5         | 5           |
|         | D 6         | D 2         |                 | D 9         | 9           |       | D 11        | D 11        | 9               | A 6         | 6           | 6AE7*  | D 1         | D 1         |         | F 4         | 4           |
| 5U9*    | D 5         | D 3         |                 | D 3         | 3           | 6A5   | E 1         | E 1         | 8               | C 5         | 5           |        | D 1         | D 1         |         | F 6         | 6           |
|         | D 5         | D 10        |                 | D 10        | 10          | 6A8   | D 1         | D 1         |                 | E 5         | 5           | 6AE8*  | D 6         | D 6         |         | E 2         | 2           |
| 5V3*    | D 11        | D 4         | 9               | A 4         | 4           | 6AB4  | D 7         | D 7         |                 | E 6         | 6           |        | D 6         | D 6         |         | F 7         | 7           |
|         | D 11        | D 4         | 9               | A 6         | 6           | 6AB7  | D 1         | D 1         |                 | D 4         | 4           | 6AF3   | E 6         | E 6         | 123678  | A 9         | 9           |
| 5V4*    | D 11        | D 4         | 9               | B 4         | 4           | 6AB8* | D 6         | D 6         |                 | D 9         | 9           | 6AF4   | D 7         | D 7         | 16      | D 2         | 2           |
|         | D 11        | D 6         | 9               | B 6         | 6           |       | D 6         | D 6         |                 | F 2         | 2           | 6AF5   | D 1         | D 1         |         | F 5         | 5           |
| 5V6     | D 1         | D 5         |                 | B 5         | 5           | 6AB9* | D 5         | D 5         |                 | D 3         | 3           | 6AF9*  | D 5         | D 5         | 2       | C 8         | 8           |
| 5V9*    | D 5         | D 8         |                 | D 8         | 8           |       | D 5         | D 5         |                 | D 9         | 9           |        | D 5         | D 5         | 8       | D 1         | 1           |
|         | D 5         | D 3         |                 | E 3         | 3           | 6AC5  | D 1         | D 1         |                 | F 5         | 5           | 6AF10* | E 3         | E 3         | 7       | D 3         | 3           |
|         |             |             |                 |             |             | 6AC7  | D 1         | D 1         |                 | D 4         | 4           |        | E 3         | E 3         | 7       | D 9         | 9           |

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5R-HP1-6AF10



| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|------|-------------|-------------|---------|-------------|-------------|
| 6AF11* | E 3         |             |         | C 1         | 6           | 6AK6   | D 7         | OK OVER 40  | D 1     | 6AN8*       | D 6         |      | D 6         |             |         | D 2         |             |
|        | E 3         |             |         | F 6         | 8           | 6AK7   | D 1         |             | C 4     |             |             |      | D 6         |             |         | D 8         |             |
|        | E 3         |             |         | F 3         | 1           | 6AK8*  | D 6         |             | F 8     | 56          |             |      | D 7         |             |         | E 1         |             |
| 6AG5   | D 7         | 2           |         | E 1         | 6           |        | D 6         |             | G 6     | 7           |             |      | D 7         |             |         | C 1         |             |
| 6AG6   | E 1         |             |         | F 5         | 1           |        | D 6         |             | G 2     |             |             |      | D 7         |             |         | F 1         |             |
| 6AG7   | D 1         |             |         | C 4         | 6           |        | D 6         |             | G 1     |             |             |      | D 7         |             |         | G 6         |             |
| 6AG9*  | E 3         |             |         | E 5         | 3           | 6AK9*  | E 3         | 6.          | E 3     |             |             |      | D 7         |             |         | G 5         |             |
|        | E 3         |             |         | C 1         | 10          |        | E 3         | 6           | E 10    |             |             |      | D 11        |             |         | F 4         |             |
| 6AG10  | D 3         |             |         | D 1         | 8           |        | E 3         | 6           | B 8     |             |             |      | D 11        |             |         | G 3         |             |
| 6AG11* | D 3         |             |         | E 8         | 1           | 6AK10* | E 3         |             | E 1     |             |             |      | D 11        |             |         | G 1         |             |
|        | D 3         |             |         | E 5         | 2           |        | E 3         |             | E 7     |             |             |      | D 6         |             |         | D 2         |             |
|        | D 3         |             |         | F 10        | 9           |        | E 3         |             | E 9     |             |             |      | D 6         |             |         | D 7         |             |
| 6AH4   | D 3         |             |         | F 3         | 9           | 6AL3   | E 6         | 123678      | A 9     |             |             |      | D 7         |             |         | C 1         |             |
| 6AH6   | D 1         |             |         | C 1         | 6           | 6AL5*  | D 7         |             | E 2     |             |             |      | D 6         |             |         | D 6         |             |
| 6AH7*  | D 7         |             |         | D 1         | 5           |        | D 7         |             | E 7     |             |             |      | D 3         |             |         | D 5         |             |
|        | D 11        |             |         | F 1         | 10          | 6AL6   | E 1         |             | C 5     |             |             |      | D 3         |             |         | D 10        |             |
|        | D 11        |             |         | F 5         | 2           | 6AL9*  | E 3         | 8           | E 5     |             |             |      | D 7         |             | 5       | C 2         |             |
| 6AH9*  | E 3         | 50          |         | E 2         | 1           |        | E 3         | 8           | C 1     |             |             |      | D 7         |             |         | E 1         |             |
|        | E 3         | 50          |         | C 6         | 4           | 6AL11* | E 3         |             | C 8     |             |             |      | E 11        |             |         | A 1         |             |
| 6AJ5   | D 7         | 2           |         | G 1         | 2           |        | E 3         |             | D 3     |             |             |      | E 11        |             |         | A 4         |             |
| 6AJ7   | D 1         |             |         | E 4         | 6           | 6AM5   | D 7         |             | D 1     |             |             |      | D 6         |             |         | D 2         |             |
| 6AJ8*  | D 6         |             |         | E 2         | 6           | 6AM6   | D 7         |             | E 1     |             |             |      | D 6         |             |         | F 6         |             |
|        | D 6         |             |         | E 9         | 3           | 6AM8*  | D 6         |             | D 2     |             |             |      | E 3         |             |         | D 1         |             |
| 6AJ9*  | D 5         |             |         | C 3         | 3           |        | D 6         |             | G 8     |             |             |      | E 3         |             |         | D 3         |             |
|        | D 5         |             |         | D 10        | 1           | 6AN4   | D 7         | 16          | D 2     |             |             |      | E 3         |             |         | D 6         |             |
| 6AK5   | D 7         | 2           |         | E 1         | 1           | 6AN5   | D 7         | 2           | C 1     |             |             |      |             |             |         |             |             |

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6AF11-6AS11

| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|------------|-------------|-------------|
| 6AT6*  | D 7         |             |            | F 1         | 6           | 6AX4   | E 11        |             |         | A 5         | 5           | 6B10*  | D 3         |             |            | E 3         | 3           |
|        | D 7         |             |            | G 5         | 5           | 6AX5*  | E 1         |             |         | B 3         | 3           |        | D 3         |             |            | E 5         | 5           |
|        | D 7         |             |            | G 6         | 6           |        | E 1         |             |         | B 5         | 5           |        | D 3         |             |            | F 8         | 8           |
| 6AT8*  | D 6         |             |            | D 1         | 1           | 6AX6*  | E 1         |             |         | A 3         | 3           |        | D 3         |             |            | F 10        | 10          |
|        | D 6         |             |            | D 9         | 9           |        | E 1         |             |         | A 5         | 5           | 6B31*  | D 7         |             |            | E 2         | 2           |
| 6AU4   | E 11        |             |            | A 5         | 5           | 6AX7*  | D 6         |             | 9       | F 2         | 2           |        | D 7         |             |            | E 7         | 7           |
| 6AU5   | E 1         |             |            | A 1         | 1           |        | D 6         |             | 9       | F 7         | 7           | 6B32*  | D 7         |             |            | E 2         | 2           |
| 6AU6   | D 7         |             |            | D 1         | 1           | 6AX8*  | D 6         |             |         | D 2         | 2           |        | D 7         |             |            | E 7         | 7           |
| 6AU7*  | D 6         |             | OK OVER 50 | D 2         | 2           |        | D 6         |             |         | D 9         | 9           | 6BA3   | E 9         | 13678       |            | A 2         | 2           |
|        | D 6         |             | OK OVER 50 | D 7         | 7           | 6AY3   | E 9         |             | 13678   | A 2         | 2           | 6BA6   | D 7         |             |            | D 1         | 1           |
| 6AU8*  | D 6         |             |            | D 7         | 7           | 6AY11* | D 3         |             |         | E 10        | 10          | 6BA7   | D 6         |             |            | D 2         | 2           |
|        | D 6         |             |            | D 2         | 2           |        | D 3         |             |         | E 3         | 3           | 6BA8*  | D 6         |             |            | D 7         | 7           |
| 6AV5   | E 1         |             |            | A 1         | 1           |        | D 3         |             |         | F 8         | 8           |        | D 6         |             |            | D 2         | 2           |
| 6AV6*  | D 7         |             |            | F 1         | 1           |        | D 3         |             |         | F 5         | 5           | 6BA11* | D 3         |             | OK OVER 50 | D 9         | 9           |
|        | D 7         |             |            | G 5         | 5           | 6AZ8*  | D 6         |             |         | D 6         | 6           |        | D 3         |             | OK OVER 50 | E 4         | 4           |
|        | D 7         |             |            | G 6         | 6           |        | D 6         |             |         | D 9         | 9           | 6B-B14 | E 10        | 236         |            | A 1         | 1           |
| 6AV11* | D 3         |             |            | D 1         | 1           | 6B4    | E 1         |             |         | C 5         | 5           | 6BC4   | D 6         |             | 2789       | D 3         | 3           |
|        | D 3         |             |            | D 7         | 7           | 6B6*   | D 1         |             |         | F 10        | 10          | 6BC5   | D 7         |             | 2          | E 1         | 1           |
|        | D 3         |             |            | D 9         | 9           |        | D 1         |             |         | G 5         | 5           | 6BC7*  | D 6         |             |            | E 2         | 2           |
| 6AW7*  | D 11        |             |            | F 2         | 2           |        | D 1         |             |         | G 4         | 4           |        | D 6         |             |            | E 6         | 6           |
|        | D 11        |             |            | G 3         | 3           | 6B8*   | D 1         |             |         | E 10        | 10          |        | D 6         |             |            | E 8         | 8           |
|        | D 11        |             |            | G 4         | 4           |        | D 1         |             |         | G 5         | 5           | 6BC8*  | D 6         |             |            | E 2         | 2           |
| 6AW8*  | D 6         |             |            | D 7         | 7           |        | D 1         |             |         | G 4         | 4           |        | D 6         |             |            | E 7         | 7           |
|        | D 6         |             |            | F 2         | 2           |        |             |             |         |             |             | 6BC32* | D 7         |             |            | F 1         | 1           |
| 6AX2   | D 6         |             | 12689      | J 10        | 10          |        |             |             |         |             |             |        | D 7         |             |            | G 5         | 5           |
| 6AX3   | E 3         |             | 0          | A 4         | 4           |        |             |             |         |             |             |        | D 7         |             |            | G 6         | 6           |

\*See "NOTE" On Inside Front Cover

6AT6-6BC32



| TUBE   | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT            | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|------------------|-------------|---------|-------------|-------------|--------|------------------|-------------|--------------------|-------------|-------------|--------|------------------|-------------|---------|-------------|-------------|
| 6BD4   | D 1              | 1           |         | G 5         | 5           | 6BG6   | E 1              | 1           |                    | A 5         | 5           | 6BK11* | D 3              | 3           |         | G 1         | 1           |
| 6BD5   | E 1              | 1           |         | A 1         | 2           | 6BH3   | E 9              | 9           | 13678              | A 2         | 2           |        | D 3              | 3           |         | G 7         | 7           |
| 6BD6   | D 7              | 7           |         | D 1         | 1           | 6BH6   | D 7              | 7           |                    | E 1         | 1           |        | D 3              | 3           |         | G 9         | 9           |
| 6BD7*  | D 6              | 6           |         | F 8         | 8           | 6BH8*  | D 6              | 6           |                    | D 7         | 7           | 1246   | E 11             | 11          |         | A 5         | 5           |
|        | D 6              | 6           |         | G 6         | 6           |        | D 6              | 6           |                    | D 2         | 2           |        | E 11             | 11          |         | C 1         | 1           |
|        | D 6              | 6           |         | G 2         | 2           | 6BH11* | E 3              | 3           |                    | D 4         | 4           |        | E 11             | 11          |         | C 4         | 4           |
| 6BD11* | E 3              | 3           |         | D 1         | 1           |        | E 3              | 3           |                    | D 6         | 6           |        | D 6              | 6           |         | D 2         | 2           |
|        | E 3              | 3           |         | E 3         | 3           |        | E 3              | 3           |                    | D 8         | 8           |        | D 6              | 6           |         | D 9         | 9           |
|        | E 3              | 3           |         | F 6         | 6           | 6BJ3   | E 3              | 3           | 0                  | A 4         | 4           |        | D 7              | 7           | 7       | C 1         | 1           |
| 6BE3   | E 3              | 3           | 0       | A 4         | 4           | 6BJ6   | D 7              | 7           |                    | D 1         | 1           |        | D 6              | 6           |         | C 3         | 3           |
| 6BE6   | D 7              | 7           |         | D 1         | 1           | 6BJ7*  | D 6              | 6           |                    | F 2         | 2           |        | D 6              | 6           |         | F 1         | 1           |
| 6BE7   | D 6              | 6           | 3       | F 7         | 7           |        | D 6              | 6           |                    | F 6         | 6           | 12     | D 7              | 7           |         | E 7         | 7           |
| 6BE8*  | D 6              | 6           | 6789    | D 1         | 1           |        | D 6              | 6           |                    | F 8         | 8           | 3      | D 6              | 6           |         | C 2         | 2           |
|        | D 6              | 6           | 12      | D 9         | 9           | 6BJ8*  | D 6              | 6           |                    | E 8         | 8           |        | D 7              | 7           |         | H 5         | 5           |
| 6BF5   | E 7              | 7           | 7       | C 1         | 1           |        | D 6              | 6           |                    | D 6         | 6           |        | D 6              | 6           |         | C 7         | 7           |
| 6BF6*  | D 7              | 7           |         | F 1         | 1           |        | D 6              | 6           |                    | D 1         | 1           |        | D 6              | 6           |         | F 2         | 2           |
|        | D 7              | 7           |         | G 5         | 5           | 6BK4   | D 1              | 1           | OK OVER 50<br>3488 | F 5         | 5           | 6BN8*  | D 6              | 6           |         | D 1         | 1           |
|        | D 7              | 7           |         | G 6         | 6           | 6BK5   | E 6              | 6           | 7                  | C 3         | 3           |        | D 6              | 6           |         | D 6         | 6           |
| 6BF8*  | D 6              | 6           |         | F 1         | 1           | 6BK6*  | D 7              | 7           |                    | F 1         | 1           |        | D 6              | 6           |         | E 8         | 8           |
|        | D 6              | 6           |         | F 2         | 2           |        | D 7              | 7           |                    | G 5         | 5           | 6BN11* | D 3              | 3           |         | E 3         | 3           |
|        | D 6              | 6           |         | F 3         | 3           |        | D 7              | 7           |                    | G 6         | 6           |        | D 3              | 3           |         | E 7         | 7           |
|        | D 6              | 6           |         | F 7         | 7           | 6BK7*  | D 6              | 6           |                    | E 2         | 2           | 168    | D 6              | 6           |         | C 2         | 2           |
|        | D 6              | 6           |         | F 8         | 8           |        | D 6              | 6           |                    | E 7         | 7           |        | E 1              | 1           |         | A 5         | 5           |
|        | D 6              | 6           |         | F 9         | 9           | 6BK8   | D 6              | 6           | 2                  | E 9         | 9           |        | D 6              | 6           |         | E 2         | 2           |
| 6BF11* | E 3              | 3           |         | C 8         | 8           |        |                  |             |                    |             |             |        | D 6              | 6           |         | E 7         | 7           |
|        | E 3              | 3           |         | D 3         | 3           |        |                  |             |                    |             |             | 6BR3   | E 6              | 6           | 123678  | A 9         | 9           |

\*See "NOTE" On Inside Front Cover

6BD4-6BR3

| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|------------|-------------|-------------|
| 6BR7   | E           | 6           | 1       | F           | 2           | 6BW4*  | E           | 6           |         | B           | 1           | 6BZ8*  | D           | 6           |            | E           | 2           |
| 6BR8*  | D           | 6           |         | D           | 9           |        | E           | 6           |         | B           | 7           |        | D           | 6           |            | E           | 7           |
| 6BS3   | E           | 9           | 13678   | A           | 2           | 6BW6   | D           | 6           | 16      | C           | 2           | 6C4    | D           | 7           | 12         | E           | 6           |
| 6BS7   | D           | 6           | 1       | G           | 10          | 6BW8*  | D           | 6           |         | E           | 6           | 6C5    | D           | 1           | OK OVER 50 | E           | 5           |
| 6BS8*  | D           | 6           |         | E           | 2           |        | D           | 6           |         | F           | 1           | 6C8*   | D           | 1           |            | F           | 5           |
| 6BT6*  | D           | 6           |         | E           | 7           | 6BW11* | E           | 3           |         | F           | 3           |        | D           | 1           |            | F           | 10          |
|        | D           | 7           |         | F           | 1           |        | E           | 3           |         | D           | 1           | 6C9*   | D           | 6           |            | E           | 1           |
|        | D           | 7           |         | G           | 5           | 6BX6   | D           | 6           | 1       | D           | 3           |        | D           | 6           |            | E           | 7           |
|        | D           | 7           |         | G           | 6           | 6BX7*  | E           | 11          |         | D           | 2           | 6C10*  | D           | 3           | 8          | F           | 1           |
| 6BT8*  | D           | 6           |         | D           | 8           |        | E           | 11          |         | C           | 1           |        | D           | 3           | 8          | F           | 7           |
|        | D           | 6           |         | G           | 2           | 6BX8*  | D           | 6           |         | C           | 4           |        | D           | 3           | 8          | F           | 9           |
|        | D           | 6           |         | G           | 1           |        | D           | 6           |         | E           | 2           | 6C18*  | D           | 6           | 6          | E           | 7           |
| 6BU4   | D           | 1           | 3468    | G           | 5           | 6BY5*  | E           | 1           |         | E           | 7           |        | D           | 6           | 6          | D           | 9           |
| 6BU5   | D           | 11          | 2       | G           | 4           |        | E           | 1           |         | A           | 4           | 6C31   | D           | 7           | 56         | H           | 1           |
| 6BU6*  | D           | 7           |         | E           | 1           | 6BY6   | D           | 7           |         | A           | 5           | 6CA4*  | E           | 6           |            | A           | 1           |
|        | D           | 7           |         | G           | 5           | 6BY7   | D           | 6           |         | D           | 1           | 6CA5   | E           | 7           | 5          | C           | 2           |
|        | D           | 7           |         | G           | 6           | 6BY8*  | D           | 6           |         | D           | 2           | 6CA7   | E           | 1           |            | A           | 5           |
| 6BU8   | D           | 6           |         | D           | 7           |        | D           | 6           |         | D           | 1           |        | E           | 6           |            | A           | 7           |
| 6BV8*  | D           | 6           |         | E           | 2           | 6BY11* | E           | 3           |         | E           | 6           | 6CA11* | E           | 3           | 9          | E           | 3           |
|        | D           | 6           |         | E           | 9           |        | E           | 3           |         | B           | 3           |        | E           | 3           | 7          | E           | 6           |
|        | D           | 6           |         | E           | 6           | 6BZ3   | E           | 3           | 45689   | G           | 8           |        | E           | 3           | 7          | C           | 8           |
| 6BV11* | E           | 3           |         | F           | 7           | 6BZ6   | D           | 7           |         | A           | 10          | 6CB5   | E           | 1           | 135        | A           | 4           |
|        | E           | 3           |         | F           | 6           | 6BZ7*  | D           | 6           |         | D           | 1           | 6CB6   | D           | 7           |            | D           | 1           |
| 6BW3   | E           | 3           | 45689   | A           | 10          |        | D           | 6           |         | E           | 2           | 6CC10* | D           | 11          | OK OVER 50 | E           | 1           |
|        |             |             |         |             |             |        | D           | 6           |         | E           | 7           |        | D           | 11          | OK OVER 50 | E           | 4           |
|        |             |             |         |             |             |        |             |             |         |             |             | 6CD3   | E           | 3           | 45689      | A           | 10          |

\*See "NOTE" On Inside Front Cover

6BR7-6CD3



| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|------------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 6CD6  | E 1         |             |            | A 5         |             | 6CL8* | D 6         |             |            | D 1         |             | 6CS8* | D 6         |             |         | D 2         |             |
| 6CE3  | E 3         |             | 12345689   | A 10        |             |       | D 6         |             |            | D 9         |             |       | D 6         |             |         | E 9         |             |
| 6CE5  | D 7         |             | 2          | E 1         |             | 6CM3  | E 9         |             | 12368      | A 7         |             | 6CT3  | D 6         |             | 12378   | A 6         |             |
| 6CF6  | D 7         |             |            | D 1         |             | 6CM4  | D 6         |             | 1238       | E 6         |             | 6CU5  | E 7         |             | 5       | C 2         |             |
| 6CF8  | D 6         |             | 2          | F 9         |             | 6CM5  | E 1         |             |            | A 5         |             | 6CU6  | E 1         |             |         | A 5         |             |
| 6CG3  | E 3         |             | 245689     | A 10        |             | 6CM6  | D 6         |             | 6          | C 3         |             | 6CU8* | D 6         |             | 89      | E 7         |             |
| 6CG6  | D 7         |             |            | E 1         |             | 6CM7* | D 6         |             | OK OVER 50 | D 7         |             |       | D 6         |             | 6       | E 8         |             |
| 6CG7* | D 6         |             | OK OVER 50 | E 2         |             |       | D 6         |             | OK OVER 50 | D 8         |             | 6CW4  | D 4         |             |         | H 2         |             |
|       | D 6         |             | OK OVER 50 | E 7         |             | 6CM8* | D 6         |             |            | E 2         |             | 6CW5  | D 6         |             | 168     | C 2         |             |
| 6CG8* | D 6         |             | 3          | E 1         |             |       | D 6         |             |            | F 9         |             | 6CW7* | D 6         |             | 8       | D 6         |             |
|       | D 6         |             | 3          | E 9         |             | 6CN6  | E 1         |             |            | C 5         |             |       | D 6         |             | 8       | D 2         |             |
| 6CH3  | E 9         |             | 13678      | A 2         |             | 6CN7* | D 6         |             | 9          | F 1         |             | 6CX7* | D 6         |             | 9       | E 2         |             |
| 6CH6  | D 6         |             | 16         | C 2         |             |       | D 6         |             | 9          | F 2         |             |       | D 6         |             | 9       | E 7         |             |
| 6CH7* | D 6         |             | 9          | E 2         |             |       | D 6         |             | 9          | F 7         |             | 6CX8* | D 6         |             |         | C 7         |             |
|       | D 6         |             | 9          | E 7         |             | 6CQ4  | E 11        |             | 2          | A 5         |             |       | D 6         |             |         | E 2         |             |
| 6CH8* | D 6         |             |            | E 7         |             | 6CQ6  | D 7         |             |            | E 1         |             | 6CY5  | D 7         |             | 2       | E 1         |             |
|       | D 6         |             |            | E 8         |             | 6CQ8* | D 6         |             |            | D 2         |             | 6CY7* | D 6         |             | 2       | C 3         |             |
| 6CJ3  | E 9         |             | 13678      | A 2         |             |       | D 6         |             |            | D 9         |             |       | D 6         |             | 2       | E 7         |             |
| 6CJ6  | D 6         |             |            | C 2         |             | 6CR6* | D 7         |             |            | E 7         |             | 6CZ5  | D 6         |             | 68      | C 3         |             |
| 6CK3  | E 9         |             | 13678      | A 2         |             |       | D 7         |             |            | G 2         |             | 6D1   | D 7         |             | 12      | F 6         |             |
| 6CK4  | E 1         |             | 3          | C 1         |             | 6CR8* | D 6         |             | 19         | D 2         |             | 6D4   | D 7         |             |         | G 1         |             |
| 6CK6  | D 6         |             |            | C 2         |             |       | D 6         |             | 3          | D 9         |             | 6D8   | D 1         |             |         | E 5         |             |
| 6CL3  | E 9         |             | 13678      | A 2         |             | 6CS6  | D 7         |             |            | D 1         |             | 6D10* | D 3         |             |         | E 1         |             |
| 6CL5  | E 1         |             | 135        | A 4         |             | 6CS7* | D 6         |             |            | C 3         |             |       | D 3         |             |         | E 7         |             |
| 6CL6  | D 6         |             | 89         | C 2         |             |       | D 6         |             |            | F 7         |             | 6DA4  | D 3         |             |         | E 9         |             |
|       |             |             |            |             |             |       |             |             |            |             |             |       | E 11        |             | 2       | A 5         |             |

\*See "NOTE" On Inside Front Cover

| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT                | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|------------------------|-------------|-------------|
| 6DA6  | D 6         | 6           | 1       | D           | 2           | 6DQ5  | E 1         | 1           | 345     | A           | 1           | 6DY7* | E 1         | 1           |                        | C           | 1           |
| 6DB5  | E 6         | 6           | 678     | C           | 3           | 6DQ6  | E 1         | 1           |         | A           | 5           |       | E 1         | 1           |                        | C           | 5           |
| 6DB6  | D 7         | 7           |         | E           | 1           | 6DR4  | D 7         | 7           | 12      | F           | 6           | 6DZ4  | D 7         | 7           | 16                     | D           | 2           |
| 6DC6  | D 7         | 7           |         | E           | 1           | 6DR7* | E 6         | 6           | 3       | C           | 2           | 6DZ7* | E 1         | 1           |                        | C           | 1           |
| 6DC8* | D 6         | 6           |         | D           | 2           |       | E 6         | 6           | 3       | E           | 7           |       | E 1         | 1           |                        | C           | 5           |
|       | D 6         | 6           |         | G           | 7           | 6DR8* | D 6         | 6           |         | G           | 8           | 6DZ8* | E 6         | 6           |                        | C           | 3           |
|       | D 6         | 6           |         | G           | 8           |       | D 6         | 6           |         | G           | 2           |       | E 6         | 6           |                        | F           | 1           |
| 6DE4  | E 11        | 11          | 2       | A           | 5           |       | D 6         | 6           |         | G           | 7           | 6EA4  | D 3         | 3           | OK OVER 40<br>1234890  | F           | 6           |
| 6DE6  | D 7         | 7           |         | D           | 1           | 6DS4  | D 4         | 4           |         | H           | 2           | 6EA5  | D 7         | 7           | 2                      | E           | 1           |
| 6DE7* | E 6         | 6           | 3       | C           | 2           | 6DS5  | E 7         | 7           | 7       | C           | 1           | 6EA7* | E 11        | 11          |                        | D           | 1           |
|       | E 6         | 6           | 3       | E           | 7           | 6DS8* | D 6         | 6           |         | F           | 2           |       | E 11        | 11          |                        | F           | 4           |
| 6DG6  | E 1         | 1           |         | C           | 5           |       | D 6         | 6           |         | G           | 9           | 6EA8* | D 6         | 6           |                        | D           | 2           |
| 6DJ8* | D 6         | 6           |         | D           | 2           | 6DT3  | E 3         | 3           | 245689  | A           | 10          |       | D 6         | 6           |                        | D           | 9           |
|       | D 6         | 6           |         | D           | 7           | 6DT4  | E 11        | 11          | 2       | A           | 5           | 6EB5* | D 7         | 7           |                        | F           | 2           |
| 6DK3  | E 9         | 9           | 3678    | A           | 2           | 6DT5  | E 6         | 6           | 68      | C           | 3           |       | D 7         | 7           |                        | F           | 7           |
| 6DK6  | D 7         | 7           |         | D           | 1           | 6DT6  | D 7         | 7           |         | E           | 1           | 6EB8* | D 6         | 6           |                        | C           | 7           |
| 6DL3  | E 9         | 9           | 136789  | A           | 2           | 6DT8* | D 6         | 6           |         | E           | 2           |       | D 6         | 6           |                        | F           | 2           |
| 6DL4  | D 6         | 6           | 1379    | D           | 6           |       | D 6         | 6           |         | E           | 7           | 6EC4  | E 10        | 10          | 12679                  | A           | 8           |
| 6DL5  | D 7         | 7           | 7       | C           | 1           | 6DU3  | E 3         | 3           | 245689  | A           | 10          | 6ED4  | D 10        | 10          |                        | G           | 8           |
| 6DM4  | E 11        | 11          | 2       | A           | 5           | 6DW4  | E 9         | 9           | 13678   | A           | 2           | 6EF4  | D 3         | 3           | OK OVER 45<br>12347890 | F           | 6           |
| 6DN3  | E 9         | 9           | 12368   | A           | 7           | 6DW5  | E 6         | 6           | 6       | C           | 3           | 6EF6  | E 1         | 1           |                        | C           | 5           |
| 6DN6  | E 1         | 1           |         | A           | 5           | 6DX4  | D 7         | 7           | 16      | D           | 2           | 6EH4  | D 3         | 3           | 1234890                | G           | 6           |
| 6DN7* | E 11        | 11          |         | C           | 1           | 6DX8* | D 6         | 6           |         | D           | 8           | 6EH5  | E 7         | 7           | 5                      | C           | 2           |
|       | E 11        | 11          |         | F           | 4           |       | D 6         | 6           |         | F           | 1           | 6EH7  | D 6         | 6           | 3                      | D           | 2           |
| 6DQ3  | E 3         | 3           | 245689  | A           | 10          | 6DY4  | D 7         | 7           | 16      | D           | 2           | 6EH8* | D 6         | 6           | 6                      | D           | 2           |
| 6DQ4  | E 11        | 11          | 2       | A           | 5           | 6DY5  | E 6         | 6           |         | B           | 2           |       | D 6         | 6           | 6                      | D           | 7           |

\*See "NOTE" On Inside Front Cover



| TUBE  | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT               | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|------------------|-------------|-----------------------|-------------|-------------|-------|------------------|-------------|---------|-------------|-------------|
| 6EJ4  | D 3              |             | OK OVER 45<br>1234780 | F 6         | 6           | 6EW7* | E 6              | 6           | 3       | C 7         | 7           |
| 6EJ7  | D 6              |             | 3                     | D 2         | 2           |       | E 6              | 6           | 3       | F 2         | 2           |
| 6EL4  | D 1              |             | OK OVER 45<br>3468    | F 5         | 5           | 6EX6  | E 1              | 1           |         | A 5         | 5           |
| 6EM5  | E 6              |             | 68                    | C 3         | 3           | 6EY6  | D 1              | 1           |         | C 5         | 5           |
| 6EM7* | E 11             |             |                       | D 1         | 1           | 6EZ5  | E 1              | 1           |         | C 5         | 5           |
|       | E 11             |             |                       | F 4         | 4           | 6EZ8* | D 6              | 6           |         | E 2         | 2           |
| 6EN4  | D 1              |             | OK OVER 50<br>3468    | F 5         | 5           |       | D 6              | 6           |         | E 7         | 7           |
| 6EQ7* | D 6              |             |                       | E 2         | 2           |       | D 6              | 6           |         | E 9         | 9           |
|       | D 6              |             |                       | G 8         | 8           | 6F5   | D 1              | 1           |         | F 10        | 10          |
| 6ER5  | D 7              |             | 7                     | E 2         | 2           | 6F6   | D 1              | 1           |         | B 5         | 5           |
| 6ES5  | D 7              |             | 7                     | E 2         | 2           | 6F8*  | D 1              | 1           |         | E 10        | 10          |
| 6ES6  | D 7              |             |                       | D 1         | 1           |       | D 1              | 1           |         | E 5         | 5           |
| 6ES8* | D 6              |             |                       | D 2         | 2           | 6F10  | D 1              | 1           |         | D 4         | 4           |
|       | D 6              |             |                       | D 7         | 7           | 6F19  | D 6              | 6           |         | D 2         | 2           |
| 6ET6  | D 7              |             |                       | D 1         | 1           | 6F31  | D 7              | 7           |         | D 1         | 1           |
| 6ET7* | D 6              |             |                       | D 7         | 7           | 6F33  | D 7              | 7           |         | E 1         | 1           |
|       | D 6              |             |                       | G 3         | 3           | 6F36  | D 7              | 7           |         | D 1         | 1           |
|       | D 6              |             |                       | G 2         | 2           | 6F40  | C 6              | 6           | 1       | F 9         | 9           |
| 6EU7* | E 6              |             |                       | G 2         | 2           | 6FA7* | D 6              | 6           |         | F 7         | 7           |
|       | E 6              |             |                       | G 8         | 8           |       | D 6              | 6           |         | G 3         | 3           |
| 6EU8* | D 6              |             |                       | G 2         | 2           | 6FC7* | D 6              | 6           |         | D 2         | 2           |
|       | D 6              |             |                       | D 7         | 7           |       | D 6              | 6           |         | D 6         | 6           |
| 6EV5  | D 7              |             |                       | E 1         | 1           | 6FD6  | D 7              | 7           |         | F 1         | 1           |
| 6EV7* | D 6              |             |                       | E 2         | 2           | 6FD7* | E 6              | 6           | 3       | C 2         | 2           |
|       | D 6              |             |                       | E 7         | 7           |       | E 6              | 6           | 3       | D 7         | 7           |
| 6EW6  | D 7              |             |                       | D 1         | 1           |       |                  |             |         | D 7         | 7           |

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6EJ4-6FV6



| TUBE   | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|------------------|-------------|---------|-------------|-------------|------|------------------|-------------|---------|-------------|-------------|------|------------------|-------------|---------|-------------|-------------|
| 6FV8*  | D 6              |             |         | D 1         | 6GE8*       | E 6  |                  |             |         | D 3         | 6GQ7*       | D 6  |                  |             | 3       | E 2         |             |
|        | D 6              |             |         | D 9         |             | E 6  |                  |             |         | F 8         |             | D 6  |                  |             | 3       | E 6         |             |
| 6FW5   | E 1              |             |         | A 1         | 6GF5        | E 3  |                  |             | 345689  | A 1         |             | D 6  |                  |             | 3       | E 8         |             |
| 6FW8*  | D 6              |             |         | E 2         | 6GF7*       | E 9  |                  |             |         | C 2         | 6GS7*       | D 6  |                  |             | 3       | E 1         |             |
|        | D 6              |             |         | E 7         |             | E 9  |                  |             |         | G 9         |             | D 6  |                  |             | 3       | E 9         |             |
| 6FY5   | D 7              |             | 7       | E 2         | 6GH8*       | D 6  |                  |             |         | D 2         | 6GS8        | D 6  |                  |             |         | D 7         |             |
| 6FY7*  | E 3              |             | 8       | C 3         |             | D 6  |                  |             |         | D 9         | 6GT5        | E 9  |                  |             | 16      | A 2         |             |
|        | E 3              |             | 8       | F 10        | 6GJ5        | E 9  |                  |             | 679     | A 2         | 6GU5        | D 7  |                  |             | 2       | D 1         |             |
| 6FY8*  | D 6              |             |         | E 3         | 6GJ7*       | D 6  |                  |             | 3       | D 2         | 6GU7*       | D 6  |                  |             |         | D 2         |             |
|        | D 6              |             |         | F 1         |             | D 6  |                  |             | 3       | E 9         |             | D 6  |                  |             |         | D 7         |             |
| 6G6    | D 1              |             |         | D 5         | 6GJ8*       | D 6  |                  |             |         | E 2         | 6GV5        | E 3  |                  |             | 1457    | A 9         |             |
| 6G11*  | E 3              |             |         | C 8         |             | D 6  |                  |             |         | E 9         | 6GV7*       | D 6  |                  |             | 6       | E 7         |             |
| 6GA7*  | E 3              |             | 2690    | D 3         | 6GK5        | D 7  |                  |             | 7       | E 2         |             | D 6  |                  |             | 6       | D 9         |             |
|        | E 3              |             | 2690    | A 4         | 6GK6        | D 6  |                  |             | 9       | C 2         | 6GV8*       | E 6  |                  |             |         | C 9         |             |
| 6G-B3A | E 1              |             |         | A 5         | 6GK7        | D 6  |                  |             | 3       | D 2         |             | E 6  |                  |             |         | E 2         |             |
| 6GB5   | E 10             |             | 236     | A 1         | 6G-K17      | E 11 |                  |             | 12      | A 5         | 6GW5        | D 7  |                  |             | 6       | D 2         |             |
| 6GB6   | E 1              |             |         | A 5         | 6GL7*       | E 11 |                  |             |         | C 4         | 6GW6        | E 1  |                  |             |         | A 5         |             |
| 6GB7   | E 1              |             | 3       | A 5         |             | E 11 |                  |             |         | E 1         | 6GW8*       | D 6  |                  |             |         | C 8         |             |
| 6GB9   | E 1              |             |         | A 5         | 6GM5        | E 6  |                  |             | 238     | C 6         |             | D 6  |                  |             |         | G 1         |             |
| 6GC5   | D 6              |             | 16      | C 3         | 6GM6        | D 7  |                  |             |         | D 1         | 6GX6        | D 7  |                  |             |         | E 1         |             |
| 6GC6   | E 1              |             | 4       | A 5         | 6GM8*       | D 6  |                  |             |         | E 2         | 6GX7*       | D 6  |                  |             | 3       | D 2         |             |
| 6GD7*  | D 6              |             | 3       | D 1         | 6GN7        | D 6  |                  |             | 69      | E 7         |             | D 6  |                  |             | 3       | D 9         |             |
|        | D 6              |             | 3       | D 9         | 6GN8*       | D 6  |                  |             |         | D 2         | 6GY5        | E 3  |                  |             | 1457    | A 9         |             |
| 6GE5   | E 3              |             | 145689  | A 3         |             | D 6  |                  |             |         | C 7         | 6GY6        | D 7  |                  |             |         | E 1         |             |
|        |                  |             |         |             |             | D 6  |                  |             |         | G 2         |             |      |                  |             |         |             |             |

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| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|
| 6GY8* | D           | 6           | 7       | C           | 1           | 6HG8* | D           | 6           | 3       | D           | 2           | 6HU8* | D           | 6           |            | C           | 2           |
|       | D           | 6           | 7       | E           | 3           |       | D           | 6           | 3       | D           | 6           |       | D           | 6           |            | C           | 6           |
|       | D           | 6           |         | G           | 6           |       | E           | 3           | 16890   | A           | 3           | 6HV5  | E           | 3           | 156890     | A           | 2           |
| 6GZ5  | D           | 7           | 5       | C           | 2           | 6HJ5  | D           | 6           | 3       | F           | 2           | 6HW8  | D           | 6           |            | E           | 6           |
| 6H4   | D           | 1           |         | F           | 4           | 6HJ7* | D           | 6           | 3       | F           | 9           | 6HZ6  | D           | 7           |            | F           | 1           |
| 6H6*  | D           | 1           |         | E           | 3           | 6HJ8* | D           | 6           |         | D           | 2           | 6HZ8* | E           | 6           |            | D           | 7           |
|       | D           | 1           |         | E           | 5           |       | D           | 6           |         | G           | 8           |       | E           | 6           |            | E           | 2           |
| 6H31  | D           | 7           |         | D           | 1           | 6HK5  | D           | 7           | 7       | E           | 1           | 6J4   | D           | 7           | 56         | H           | 1           |
| 6HA5  | D           | 7           | 7       | E           | 1           | 6HK8* | D           | 6           |         | E           | 2           | 6J5   | D           | 1           | OK OVER 50 | E           | 5           |
| 6HA6  | D           | 6           | 36      | C           | 2           |       | D           | 6           |         | E           | 7           | 6J6*  | D           | 7           |            | E           | 5           |
| 6HB5  | E           | 3           | 345689  | A           | 1           | 6HL5  | E           | 6           | 168     | A           | 2           |       | D           | 7           |            | E           | 6           |
| 6HB6  | D           | 6           | 36      | C           | 2           | 6HL8* | D           | 6           |         | D           | 2           | 6J7   | D           | 1           |            | F           | 10          |
| 6HB7* | D           | 6           | 3       | D           | 2           |       | D           | 6           |         | D           | 9           | 6J8*  | D           | 1           |            | F           | 5           |
|       | D           | 6           | 3       | D           | 9           | 6HM5  | D           | 7           | 7       | D           | 1           |       | D           | 1           |            | F           | 10          |
| 6HC8* | E           | 6           |         | C           | 3           | 6HM6  | D           | 6           | 1       | D           | 2           | 6J9*  | D           | 6           |            | F           | 7           |
|       | E           | 6           |         | F           | 1           | 6HQ5  | D           | 7           | 7       | E           | 1           |       | D           | 6           |            | F           | 9           |
| 6HD5  | E           | 3           | 14568   | A           | 3           | 6HQ6  | D           | 7           |         | D           | 1           |       | D           | 6           |            | F           | 2           |
| 6HD7* | D           | 6           | 3       | F           | 2           | 6HR5  | D           | 7           | 7       | A           | 1           | 6J10* | E           | 3           |            | C           | 1           |
|       | D           | 6           | 3       | F           | 9           | 6HR6  | D           | 7           |         | D           | 1           |       | E           | 3           |            | H           | 6           |
| 6HE5  | E           | 3           | 123     | C           | 9           | 6HS5  | E           | 3           | 156890  | A           | 2           | 6J11* | E           | 3           |            | D           | 3           |
| 6HE7* | E           | 3           | 70      | A           | 2           | 6HS6  | D           | 7           |         | E           | 1           |       | E           | 3           |            | D           | 1           |
|       | E           | 3           | 70      | A           | 9           | 6HS8  | D           | 6           |         | D           | 7           | 6JA5  | E           | 3           | 345789     | A           | 2           |
| 6HF5  | E           | 3           | 16890   | A           | 5           | 6HT5  | D           | 3           |         | J           | 6           | 6JA8* | D           | 6           |            | D           | 7           |
| 6HF8* | D           | 6           |         | D           | 7           | 6HT6  | D           | 6           | 1       | D           | 2           |       | D           | 6           |            | F           | 2           |
|       | D           | 6           |         | F           | 2           | 6HU6  | D           | 6           | 28      | F           | 1           | 6JB5  | E           | 3           | 457890     | A           | 2           |
| 6HG5  | D           | 7           | 7       | C           | 1           |       |             |             |         |             |             | 6JB6  | E           | 9           | 679        | A           | 2           |

| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 6JC6  | D           | 6           | 1       | D           | 2           | 6JQ6* | E           | 6           | 27      | A           | 8           | 6K7   | D           | 1           |         | F           | 10          |
| 6JC8* | D           | 6           | 1       | E           | 8           |       | E           | 6           | 27      | G           | 6           | 6K8   | D           | 1           |         | E           | 5           |
| 6JD5  | D           | 6           | 1       | D           | 2           | 6JR6  | D           | 9           | 78      | A           | 2           | 6K11* | D           | 3           |         | F           | 1           |
| 6JD6  | E           | 3           | 156890  | A           | 2           | 6JS6  | E           | 3           | 1790    | A           | 5           |       | D           | 3           |         | F           | 7           |
| 6JD6  | D           | 6           | 1       | D           | 2           | 6JT6  | E           | 9           | 78      | A           | 2           |       | D           | 3           |         | D           | 9           |
| 6JE6  | E           | 9           | 679     | A           | 2           | 6JT8* | D           | 6           |         | D           | 7           | 6KA8* | D           | 6           |         | E           | 6           |
| 6JE8* | D           | 6           |         | F           | 2           |       | D           | 6           |         | F           | 2           |       | D           | 6           |         | F           | 2           |
|       | D           | 6           |         | D           | 7           | 6JU6  | E           | 9           | 679     | A           | 2           |       | D           | 6           |         | A           | 5           |
| 6JF6  | E           | 9           | 679     | A           | 2           | 6JU8* | D           | 6           | 39      | E           | 1           | 6KD6  | E           | 3           | 1790    | D           | 2           |
| 6JG5  | D           | 6           | 123     | B           | 7           |       | D           | 6           | 39      | E           | 7           | 6KD8* | D           | 6           |         | D           | 9           |
| 6JG6  | E           | 9           | 78      | A           | 2           |       | D           | 6           | 17      | E           | 2           | 6KE8* | D           | 6           |         | D           | 9           |
| 6JH5  | D           | 3           | 135679  | A           | 2           |       | D           | 6           | 17      | E           | 8           |       | D           | 6           |         | E           | 2           |
| 6JH6  | D           | 7           |         | D           | 1           | 6JV8* | D           | 6           |         | D           | 7           | 6KF8  | D           | 6           |         | D           | 7           |
| 6JH8  | D           | 6           |         | D           | 6           |       | D           | 6           |         | D           | 2           | 6KG6  | E           | 10          | 678     | A           | 1           |
| 6JK5  | D           | 3           | 135679  | A           | 2           | 6JW6  | D           | 6           | 89      | C           | 2           | 6KL8* | D           | 6           |         | D           | 2           |
| 6JK6  | D           | 7           |         | D           | 1           | 6JW8* | D           | 6           |         | D           | 9           |       | D           | 6           |         | F           | 8           |
| 6JK8* | D           | 6           |         | E           | 2           |       | D           | 6           |         | C           | 2           | 6KM6  | E           | 9           | 679     | A           | 2           |
|       | D           | 6           |         | E           | 7           | 6JX8* | D           | 6           |         | E           | 2           | 6KM8* | D           | 6           |         | F           | 7           |
| 6JL6  | D           | 7           |         | D           | 1           |       | D           | 6           |         | E           | 9           |       | D           | 6           |         | H           | 3           |
| 6JL8* | D           | 6           |         | C           | 7           | 6JY8* | D           | 6           |         | C           | 7           |       | E           | 3           | 1790    | A           | 5           |
|       | D           | 6           |         | E           | 2           |       | D           | 6           |         | D           | 2           | 6KN6  | D           | 6           |         | D           | 2           |
| 6JM6  | E           | 3           | 80      | A           | 5           | 6JZ6  | E           | 3           | 190     | A           | 5           | 6KN8* | D           | 6           |         | D           | 7           |
| 6JN6  | E           | 3           | 4       | A           | 1           | 6JZ8* | E           | 3           | 7       | C           | 6           | 6KR8* | D           | 6           |         | D           | 2           |
| 6JN8* | D           | 6           |         | D           | 1           |       | E           | 3           | 7       | F           | 10          |       | D           | 6           |         | C           | 7           |
|       | D           | 6           |         | D           | 9           | 6K5   | D           | 1           |         | F           | 10          | 6KS6  | D           | 7           |         | H           | 5           |
|       |             |             |         |             |             | 6K6   | D           | 1           |         | B           | 5           |       |             |             |         |             |             |

\*See "NOTE" On Inside Front Cover

6JC6-6KS6



| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT                          | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT           | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|----------------------------------|-------------|-------------|--------|-------------|-------------|-------------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 6KS8* | D 6         | 6           |                                  | F 2         | 2           | 6L41   | D 6         | 6           | 9                 | D 8         | 8           | 6LM8*  | D 6         | 6           |         | D 2         | 2           |
|       | D 6         | 6           |                                  | C 7         | 7           | 6L43   | D 6         | 6           | 89                | C 2         | 2           |        | D 6         | 6           |         | D 9         | 9           |
| 6KT6  | D 6         | 6           | 1                                | D 2         | 2           | 6LB6   | E 3         | 3           | 1790              | A 5         | 5           | 6LN8*  | D 6         | 6           |         | D 2         | 2           |
| 6KT8* | D 6         | 6           |                                  | D 7         | 7           | 6LB8*  | D 6         | 6           |                   | A 2         | 2           |        | D 6         | 6           |         | D 9         | 9           |
|       | D 6         | 6           |                                  | G 2         | 2           |        | D 6         | 6           |                   | D 7         | 7           | 6LP12* | D 6         | 6           |         | C 3         | 3           |
| 6KU8* | D 6         | 6           |                                  | D 7         | 7           | 6LC6   | D 1         | 1           | OK OVER 45<br>348 | F 5         | 5           |        | D 6         | 6           |         | F 1         | 1           |
|       | D 6         | 6           |                                  | G 3         | 3           | 6LC8*  | D 6         | 6           | 3                 | E 6         | 6           | 6LQ6   | E 9         | 9           | 679     | A 2         | 2           |
|       | D 6         | 6           |                                  | G 2         | 2           |        | D 6         | 6           | 7                 | F 2         | 2           | 6LQ8*  | D 6         | 6           |         | D 7         | 7           |
| 6KV6  | E 9         | 9           | 78                               | A 2         | 2           | 6LD6   | D 6         | 6           | 89                | A 2         | 2           |        | D 6         | 6           |         | D 2         | 2           |
| 6KV8* | D 6         | 6           |                                  | C 7         | 7           | 6LD12* | D 6         | 6           |                   | F 8         | 8           | 6LR6   | E 3         | 3           | 167890  | A 5         | 5           |
|       | D 6         | 6           |                                  | F 2         | 2           |        | D 6         | 6           |                   | G 6         | 6           | 6LR8*  | E 9         | 9           |         | C 2         | 2           |
| 6KW6  | E 10        | 10          | 8                                | B 1         | 1           |        | D 6         | 6           |                   | G 2         | 2           |        | E 9         | 9           |         | D 9         | 9           |
| 6KX8  | D 6         | 6           |                                  | G 1         | 1           |        | D 6         | 6           |                   | G 1         | 1           | 6LT8*  | D 6         | 6           | 7       | E 9         | 9           |
|       | D 6         | 6           |                                  | G 10        | 10          | 6LD13* | D 6         | 6           |                   | F 8         | 8           |        | D 6         | 6           | 1       | C 6         | 6           |
| 6KY6  | E 6         | 6           | 36                               | C 2         | 2           |        | D 6         | 6           |                   | G 6         | 6           |        | D 6         | 6           | 1       | C 8         | 8           |
| 6KY8* | E 9         | 9           |                                  | C 2         | 2           |        | D 6         | 6           |                   | G 2         | 2           | 6LU6   | D 7         | 7           |         | B 1         | 1           |
|       | E 9         | 9           |                                  | G 9         | 9           | 6LE8   | D 6         | 6           |                   | D 9         | 9           | 6LU8*  | E 3         | 3           | 7       | B 6         | 6           |
| 6KZ8* | D 6         | 6           |                                  | D 2         | 2           | 6LF6   | E 3         | 3           | 349               | A 5         | 5           |        | E 3         | 3           | 7       | E 10        | 10          |
|       | D 6         | 6           |                                  | D 9         | 9           | 6LF8*  | D 6         | 6           |                   | D 7         | 7           | 6LV6   | E 3         | 3           | 349     | A 5         | 5           |
| 6L5   | D 1         | 1           | OK OVER 50                       | F 5         | 5           |        | D 6         | 6           |                   | G 2         | 2           | 6LW6   | E 11        | 11          | 146     | A 5         | 5           |
| 6L6   | C 1         | 1           | SHORTS TEST ONLY                 | C 5         | 5           | 6LG6   | E 3         | 3           | 23790             | A 5         | 5           | 6LX6   | E 3         | 3           | 1790    | A 5         | 5           |
|       | E 1         | 1           | GRID LEAKAGE<br>AND QUALITY TEST | C 5         | 5           | 6LH6   | D 1         | 1           | OK OVER 40<br>348 | F 5         | 5           | 6LX8*  | D 6         | 6           |         | D 9         | 9           |
| 6L7   | D 1         | 1           |                                  | F 10        | 10          | 6LJ6   | D 1         | 1           | OK OVER 40<br>348 | F 5         | 5           |        | D 6         | 6           |         | C 2         | 2           |
| 6L10  | D 1         | 1           |                                  | C 4         | 4           | 6LJ8*  | D 6         | 6           | 3                 | D 1         | 1           | 6LY8*  | D 6         | 6           |         | F 2         | 2           |
| 6L12* | D 6         | 6           |                                  | D 2         | 2           |        | D 6         | 6           | 3                 | D 9         | 9           |        | D 6         | 6           |         | C 7         | 7           |
|       | D 6         | 6           |                                  | D 7         | 7           |        |             |             |                   | D 9         | 9           | 6LZ6   | E 9         | 9           | 679     | A 2         | 2           |

| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT           | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|-------------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|
| 6M6     | E 1         |             |                   | F 5         |             | 6ML8*  | E 6         | 6           |         | D 6         |             | 6NK7GT  | D 1         |             |         | F 10        |             |
| 6M11*   | D 3         |             |                   | D 2         |             |        | E 6         | 6           |         | D 8         |             | 6P5     | D 1         |             |         | F 5         |             |
|         | D 3         |             |                   | E 5         |             |        | E 6         | 6           |         | D 9         |             | 6P15    | E 6         |             | 168     | C 2         |             |
|         | D 3         |             |                   | E 8         |             | 6MN8*  | E 3         | 3           | 579     | D 1         |             | 6P17    | D 7         |             |         | C 1         |             |
| 6MB6    | E 3         |             | 1790              | A 5         |             |        | D 3         | 3           | 579     | D 8         |             | 6Q4     | D 6         |             | 127     | D 1         |             |
| 6MB8*   | D 6         |             |                   | D 1         |             |        | D 3         | 3           | 579     | D 10        |             | 6Q7*    | D 1         |             |         | F 10        |             |
|         | D 6         |             |                   | E 9         |             | 6M-P17 | E 7         | 7           |         | C 1         |             |         | D 1         |             |         | G 5         |             |
| 6MC6    | E 9         |             | 679               | A 2         |             | 6M-P18 | E 7         | 7           |         | A 1         |             |         | D 1         |             |         | G 4         |             |
| 6MD8*   | E 9         |             |                   | D 6         |             | 6M-P20 | D 7         | 7           |         | C 1         |             | 6Q11*   | D 3         |             |         | D 9         |             |
|         | E 9         |             |                   | D 9         |             | 6MQ8*  | D 6         | 6           |         | E 2         |             |         | D 3         |             |         | F 7         |             |
|         | E 9         |             |                   | D 8         |             |        | D 6         | 6           |         | D 9         |             |         | D 3         |             |         | F 1         |             |
| 6ME6    | E 9         |             | 679               | A 2         |             | 6MU8*  | D 6         | 6           |         | E 9         |             | 6R3     | E 6         |             | 123678  | A 9         |             |
| 6ME8    | D 6         |             |                   | D 6         |             |        | D 6         | 6           |         | C 2         |             | 6R4     | D 6         |             |         | C 1         |             |
| 6MF8*   | D 3         |             | 357               | A 6         |             | 6MV8*  | D 6         | 6           |         | D 7         |             | 6R7*    | D 1         |             |         | E 10        |             |
|         | D 3         |             | 357               | E 10        |             |        | D 6         | 6           |         | G 2         |             |         | D 1         |             |         | G 5         |             |
| 6MG8*   | D 6         |             |                   | D 9         |             | 6MX8*  | D 9         | 9           |         | B 2         |             |         | D 1         |             |         | G 4         |             |
|         | D 6         |             |                   | E 2         |             |        | D 9         | 9           |         | H 9         |             | 6R8*    | D 6         |             |         | E 8         |             |
| 6M-H1   | D 7         |             | 56                | H 1         |             | 6MY8*  | D 3         | 3           | 7       | B 6         |             |         | D 6         |             |         | G 6         |             |
| 6MH6    | E 3         |             | 349               | A 5         |             |        | D 3         | 3           | 7       | E 10        |             |         | D 6         |             |         | G 2         |             |
| 6M-HH3* | D 7         |             |                   | E 5         |             | 6N3    | E 6         | 6           |         | A 9         |             |         | D 6         |             |         | G 1         |             |
|         | D 7         |             |                   | E 6         |             | 6N4    | D 7         | 7           | 27      | D 1         |             | 6R-A6   | D 6         |             | 2368    | C 7         |             |
| 6MJ6    | E 7         |             | 679               | A 2         |             | 6N7*   | E 1         | 1           |         | E 4         |             | 6R-B11  | E 6         |             | 268     | B 3         |             |
| 6MJ8*   | D 3         |             | OK OVER 50<br>579 | D 1         |             |        | E 1         | 1           |         | E 5         |             | 6R-HH2* | D 6         |             |         | E 2         |             |
|         | D 3         |             | OK OVER 50<br>579 | D 8         |             | 6N8*   | D 6         | 6           |         | F 2         |             |         | D 6         |             |         | E 7         |             |
|         | D 3         |             | OK OVER 50<br>579 | D 10        |             |        | D 6         | 6           |         | G 7         |             | 6R-HH8* | D 6         |             |         | D 2         |             |
| 6MK8    | D 6         |             |                   | E 7         |             |        | D 6         | 6           |         | G 8         |             |         | D 6         |             |         | D 7         |             |

\*See "NOTE" On Inside Front Cover



| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 6R-K19 | E 6         | 6           | 123678  | A 9         | 9           | 6SN7* | D 11        | 11          | OK OVER 50 | E 1         | 1           | 6T8*  | D 6         | 6           |         | F 8         | 8           |
| 6R-P15 | D 6         | 6           | 268     | A 1         | 1           |       | D 11        | 11          | OK OVER 50 | E 4         | 4           |       | D 6         | 6           |         | G 6         | 6           |
| 6R-P22 | E 6         | 6           | 9       | A 2         | 2           | 6SQ7* | D 11        | 11          |            | F 2         | 2           |       | D 6         | 6           |         | G 2         | 2           |
| 6S2    | D 6         | 6           | 123689  | H 10        | 10          |       | D 11        | 11          |            | G 4         | 4           |       | D 6         | 6           |         | G 1         | 1           |
| 6S4    | D 6         | 6           | 1378    | C 6         | 6           |       | D 11        | 11          |            | G 5         | 5           | 6T9*  | E 3         | 3           |         | C 8         | 8           |
| 6S7    | D 1         | 1           |         | F 10        | 10          | 6SR7* | D 11        | 11          |            | E 2         | 2           |       | E 3         | 3           |         | D 4         | 4           |
| 6S8*   | D 11        | 11          |         | F 10        | 10          |       | D 11        | 11          |            | G 4         | 4           | 6T10* | E 3         | 3           |         | D 3         | 3           |
|        | D 11        | 11          |         | G 4         | 4           |       | D 11        | 11          |            | G 5         | 5           |       | E 3         | 3           |         | C 8         | 8           |
|        | D 11        | 11          |         | G 3         | 3           | 6SS7  | D 1         | 1           |            | E 4         | 4           | 6U3   | E 6         | 6           | 12678   | A 9         | 9           |
| 6SA7   | D 1         | 1           |         | G 1         | 1           | 6ST7* | D 11        | 11          |            | F 2         | 2           | 6U4   | E 11        | 11          | 2       | A 5         | 5           |
| 6SB7   | D 1         | 1           |         | D 5         | 5           |       | D 11        | 11          |            | G 4         | 4           | 6U6   | D 1         | 1           |         | C 5         | 5           |
| 6SC7*  | D 11        | 11          |         | F 3         | 3           | 6SU7* | D 11        | 11          |            | G 5         | 5           | 6U7   | D 1         | 1           |         | F 10        | 10          |
|        | D 11        | 11          |         | F 4         | 4           |       | D 11        | 11          |            | F 1         | 1           | 6U8*  | D 6         | 6           |         | D 2         | 2           |
| 6SD7   | D 1         | 1           |         | D 4         | 4           | 6SV7* | D 11        | 11          |            | F 4         | 4           |       | D 6         | 6           |         | D 9         | 9           |
| 6SE7   | D 1         | 1           |         | F 4         | 4           |       | D 11        | 11          |            | F 2         | 2           | 6U9*  | D 5         | 5           |         | D 3         | 3           |
| 6SF5   | D 11        | 11          |         | F 3         | 3           | 6SZ7* | D 11        | 11          |            | G 5         | 5           |       | D 5         | 5           |         | D 10        | 10          |
| 6SF7*  | D 11        | 11          |         | D 2         | 2           |       | D 11        | 11          |            | F 2         | 2           | 6U10* | D 3         | 3           |         | E 1         | 1           |
|        | D 11        | 11          |         | G 5         | 5           |       | D 11        | 11          |            | G 4         | 4           |       | D 3         | 3           |         | E 7         | 7           |
| 6SG7   | D 1         | 1           | 3       | D 4         | 4           | 6T4   | D 11        | 11          |            | G 5         | 5           |       | D 3         | 3           |         | E 9         | 9           |
|        | D 1         | 1           |         | D 4         | 4           |       | D 7         | 7           | 12         | D 2         | 2           | 6V3   | E 6         | 6           | 27      | A 9         | 9           |
| 6SH7   | D 1         | 1           | 3       | D 4         | 4           | 6T7*  | D 1         | 1           |            | F 10        | 10          | 6V4*  | D 6         | 6           |         | A 1         | 1           |
| 6SJ7   | D 1         | 1           |         | E 4         | 4           |       | D 1         | 1           |            | G 5         | 5           |       | D 6         | 6           |         | A 7         | 7           |
| 6SK7   | D 1         | 1           |         | D 4         | 4           |       | D 1         | 1           |            | G 4         | 4           | 6V5   | D 11        | 11          |         | C 5         | 5           |
| 6SL7*  | D 11        | 11          |         | F 1         | 1           |       |             |             |            |             |             | 6V6   | D 1         | 1           |         | B 5         | 5           |
|        | D 11        | 11          |         | F 4         | 4           |       |             |             |            |             |             |       |             |             |         |             |             |

\*See 'NOTE' On Inside Front Cover

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| TUBE | H<br>T<br>R | S<br>T<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>T<br>T | LOCKOUT                  | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>T<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|--------------------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 6V7* | D 1         | D 1         |         | F 10        | G 5         | 6Y7*  | D 1         | D 1         |                          | F 4         | G 5         | 7FC7*  | F 6         | F 6         | 7       | D 2         | D 2         |
|      | D 1         | D 1         |         | G 4         | F 6         | 6Y9*  | E 5         | E 5         |                          | C 8         | D 1         | 7GS7*  | F 6         | F 6         | 3       | E 1         | D 6         |
| 6V8* | D 6         | D 6         |         | G 9         | G 7         | 6Y10* | E 3         | E 3         |                          | D 1         | C 3         | 7GV7*  | F 6         | F 6         | 3       | E 9         | E 9         |
|      | D 6         | D 6         |         | G 2         | D 8         | 6Z7*  | D 1         | D 1         |                          | F 4         | F 8         | 7HG8*  | F 6         | F 6         | 6       | D 7         | D 7         |
| 6V9* | D 5         | D 5         |         | E 3         | E 3         | 6Z10* | E 3         | E 3         |                          | F 5         | C 1         | 7KY6   | F 6         | F 6         | 3       | D 2         | D 6         |
| 6W4  | E 11        | E 11        | 2       | A 5         | B 3         | 6Z31* | D 7         | D 7         |                          | H 6         | B 1         | 7KZ6   | F 6         | F 6         | 36      | C 2         | C 2         |
| 6W5* | E 1         | E 1         |         | B 5         | C 5         | 6ZY5* | D 1         | D 1         |                          | B 6         | B 6         | 7M-P18 | F 7         | F 7         | 7       | A 1         | A 1         |
| 6W6  | E 1         | E 1         |         | F 10        | B 1         | 7AN7* | F 6         | F 6         |                          | A 3         | A 3         | 8A8*   | F 6         | F 6         |         | D 2         | D 2         |
| 6W7  | D 1         | D 1         |         | B 3         | B 6         | 7AU7* | F 6         | F 6         |                          | A 5         | A 5         | 8AC9*  | F 3         | F 3         | 4       | E 9         | E 9         |
| 6X4* | D 7         | D 7         |         | B 5         | B 5         | 7DJ8* | F 6         | F 6         |                          | E 2         | E 2         | 8AC10* | F 3         | F 3         | 2       | D 3         | D 3         |
| 6X5* | D 1         | D 1         |         | B 3         | B 3         |       | F 6         | F 6         |                          | E 6         | E 6         |        | F 3         | F 3         | 2       | D 9         | D 9         |
| 6X6* | D 1         | D 1         |         | F 3         | G 5         |       | F 6         | F 6         |                          | D 2         | D 2         |        | F 3         | F 3         |         | E 1         | E 1         |
| 6X8* | D 6         | D 6         |         | E 2         | E 7         | 7D10  | D 6         | D 6         | OK OVER 50<br>OK OVER 50 | C 2         | D 7         | 8AL9*  | F 3         | F 3         | 83      | E 7         | E 7         |
| 6X9* | D 5         | D 5         |         | D 3         | E 10        | 7ES7* | F 6         | F 6         | 16                       | D 2         | D 2         | 8AR11* | F 3         | F 3         | 83      | E 9         | E 9         |
|      | D 5         | D 5         |         | F 10        | C 5         | 7ES8* | F 6         | F 6         |                          | D 6         | D 6         | 8AU8*  | F 6         | F 6         |         | E 5         | E 5         |
| 6Y3  | D 1         | D 1         |         | C 5         | C 5         | 7EY6  | F 1         | F 1         |                          | D 2         | D 2         |        | F 3         | F 3         |         | C 1         | C 1         |
| 6Y6  | E 1         | E 1         |         |             |             |       |             |             |                          | D 7         | D 7         |        | F 6         | F 6         |         | D 5         | D 5         |
|      |             |             |         |             |             |       |             |             |                          | E 2         | E 2         |        |             |             |         | D 10        | D 10        |
|      |             |             |         |             |             |       |             |             |                          | D 7         | D 7         |        |             |             |         | D 7         | D 7         |
|      |             |             |         |             |             |       |             |             |                          | E 2         | E 2         |        |             |             |         | E 2         | E 2         |



| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|------------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|
| 8AV11* | F 3         | F 3         |         | D 1         | 1           | 8BQ7*  | F 6         | F 6         |            | E 2         | 7           | 8CX8* | F 6         | F 6         |            | C 7         | 7           |
|        | F 3         | F 3         |         | D 7         | 7           |        | F 6         | F 6         |            | E 7         | 7           |       | F 6         | F 6         |            | E 2         | 2           |
|        | F 3         | F 3         |         | D 9         | 9           | 8BQ11* | F 3         | F 3         |            | E 5         | 5           | 8CY5  | F 7         | F 7         |            | E 1         | 1           |
| 8AW8*  | F 6         | F 6         |         | D 7         | 7           |        | F 3         | F 3         |            | E 10        | 10          | 8CY7* | F 6         | F 6         |            | C 3         | 3           |
|        | F 6         | F 6         |         | F 2         | 2           | 8BU11* | F 3         | F 3         |            | D 4         | 4           |       | F 6         | F 6         |            | E 7         | 7           |
| 8B8*   | F 6         | F 6         |         | C 3         | 3           |        | F 3         | F 3         |            | D 6         | 6           | 8D8   | F 6         | F 6         | 2          | F 9         | 9           |
|        | F 6         | F 6         |         | F 1         | 1           |        | F 3         | F 3         |            | D 8         | 8           | 8DE7* | F 6         | F 6         | 3          | C 2         | 2           |
| 8B10*  | F 3         | F 3         |         | E 3         | 3           | 8CB11* | F 3         | F 3         |            | D 5         | 5           |       | F 6         | F 6         | 3          | E 7         | 7           |
|        | F 3         | F 3         |         | E 5         | 5           |        | F 3         | F 3         |            | D 10        | 10          | 8DX8* | F 6         | F 6         |            | D 8         | 8           |
|        | F 3         | F 3         |         | F 8         | 8           | 8CG7*  | F 6         | F 6         | OK OVER 50 | E 2         | 2           |       | F 6         | F 6         |            | F 1         | 1           |
|        | F 3         | F 3         |         | F 10        | 10          |        | F 6         | F 6         | OK OVER 50 | E 7         | 7           | 8EB8* | F 6         | F 6         |            | C 7         | 7           |
| 8BA8*  | F 6         | F 6         |         | D 7         | 7           | 8CH8*  | F 6         | F 6         |            | E 7         | 7           |       | F 6         | F 6         |            | F 2         | 2           |
|        | F 6         | F 6         |         | E 2         | 2           |        | F 6         | F 6         |            | E 8         | 8           | 8EM5  | F 6         | F 6         | 68         | C 3         | 3           |
| 8BA11* | F 3         | OK OVER 50  |         | D 4         | 4           | 8CL8*  | F 6         | F 6         |            | D 1         | 1           | 8ET7* | F 6         | F 6         |            | D 7         | 7           |
|        | F 3         | OK OVER 50  |         | E 9         | 9           |        | F 6         | F 6         |            | D 9         | 9           |       | F 6         | F 6         |            | G 3         | 3           |
| 8BH8*  | F 6         | F 6         |         | D 7         | 7           | 8CM7*  | F 6         | F 6         | OK OVER 50 | D 7         | 7           |       | F 6         | F 6         |            | G 2         | 2           |
|        | F 6         | F 6         |         | E 2         | 2           |        | F 6         | F 6         | OK OVER 50 | D 8         | 8           | 8FQ7* | F 6         | F 6         | OK OVER 50 | D 2         | 2           |
| 8BM11* | F 3         | F 3         |         | C 6         | 6           | 8CN7*  | F 6         | F 6         | 9          | F 1         | 1           |       | F 6         | F 6         | OK OVER 50 | E 7         | 7           |
|        | F 3         | F 3         |         | D 1         | 1           |        | F 6         | F 6         | 9          | F 2         | 2           | 8GJ7* | F 6         | F 6         | 3          | D 2         | 2           |
| 8BN8*  | F 6         | F 6         |         | D 1         | 1           |        | F 6         | F 6         | 9          | F 7         | 7           |       | F 6         | F 6         | 3          | E 9         | 9           |
|        | F 6         | F 6         |         | D 6         | 6           | 8CS7*  | F 6         | F 6         |            | C 3         | 3           | 8GM6  | F 7         | F 7         |            | D 1         | 1           |
|        | F 6         | F 6         |         | E 8         | 8           |        | F 6         | F 6         |            | F 7         | 7           | 8GN8* | F 6         | F 6         |            | C 7         | 7           |
| 8BN11* | F 3         | F 3         |         | E 3         | 3           | 8CU8*  | F 6         | F 6         | 89         | A 7         | 7           |       | F 6         | F 6         |            | G 2         | 2           |
|        | F 3         | F 3         |         | E 7         | 7           |        | F 6         | F 6         | 6          | E 8         | 8           | 8GU7* | F 6         | F 6         |            | D 2         | 2           |
| 8BQ5   | F 6         | F 6         | 168     | C 2         | 2           | 8CW5   | F 6         | F 6         | 168        | C 2         | 2           |       | F 6         | F 6         |            | D 7         | 7           |

\*See "NOTE" On Inside Front Cover

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| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|------------|-------------|-------------|--------|-------------|-------------|-----------------|-------------|-------------|
| 8GX7* | F 6         | 6           | 3       | D 2         | 2           | 8KT8*   | F 6         | 6           |            | D 7         | 7           | 9A8*   | G 6         | 6           |                 | D 2         | 2           |
|       | F 6         | 6           | 3       | D 9         | 9           |         | F 6         | 6           |            | G 2         | 2           |        | G 6         | 6           |                 | D 9         | 9           |
| 8HA6  | F 6         | 6           | 36      | C 2         | 2           | 8LC8*   | F 6         | 6           | 3          | E 6         | 6           | 9AB4   | G 7         | 7           |                 | E 6         | 6           |
| 8HG8* | F 6         | 6           | 3       | D 2         | 2           |         | F 6         | 6           | 7          | F 2         | 2           | 9AH9*  | G 3         | 3           | 50              | E 2         | 2           |
|       | F 6         | 6           | 3       | D 6         | 6           | 8LE8    | F 6         | 6           |            | D 9         | 9           |        | G 3         | 3           | 50              | C 6         | 6           |
| 8JE8* | F 6         | 6           |         | D 7         | 7           | 8LS6    | F 6         | 6           | 36         | D 2         | 2           | 9AK8*  | G 6         | 6           |                 | F 8         | 8           |
|       | F 6         | 6           |         | F 2         | 2           | 8LT8*   | F 6         | 6           | 1          | C 6         | 6           |        | G 6         | 6           |                 | G 6         | 6           |
| 8JK8* | F 6         | 6           |         | E 2         | 2           |         | F 6         | 6           | 1          | C 8         | 8           |        | G 6         | 6           |                 | G 2         | 2           |
|       | F 6         | 6           |         | E 7         | 7           |         | F 6         | 6           | 7          | E 9         | 9           |        | G 6         | 6           |                 | G 1         | 1           |
| 8JL8* | F 6         | 6           |         | C 7         | 7           | 8MD8*   | F 9         | 9           |            | D 6         | 6           | 9AK10* | G 3         | 3           |                 | E 1         | 1           |
|       | F 6         | 6           |         | E 2         | 2           |         | F 9         | 9           |            | D 9         | 9           |        | G 3         | 3           |                 | E 7         | 7           |
| 8JT8* | F 6         | 6           |         | D 7         | 7           |         | F 9         | 9           |            | D 8         | 8           |        | G 3         | 3           |                 | E 9         | 9           |
|       | F 6         | 6           |         | F 2         | 2           | 8M-P12  | F 7         | 7           |            | C 1         | 1           | 9AM10* | G 3         | 3           |                 | E 1         | 1           |
| 8JU8* | F 6         | 6           | 39      | E 1         | 1           | 8MU8*   | F 6         | 6           |            | C 2         | 2           |        | G 3         | 3           |                 | E 7         | 7           |
|       | F 6         | 6           | 39      | E 7         | 7           |         | F 6         | 6           |            | E 9         | 9           |        | G 3         | 3           |                 | E 9         | 9           |
|       | F 6         | 6           | 17      | E 2         | 2           | 8R-HP1* | F 6         | 6           |            | C 3         | 3           | 9AQ8*  | G 6         | 6           |                 | D 2         | 2           |
|       | F 6         | 6           | 17      | E 8         | 8           |         | F 6         | 6           |            | F 1         | 1           |        | G 6         | 6           |                 | D 7         | 7           |
| 8JV8* | F 6         | 6           |         | D 7         | 7           | 8R-LP1* | F 6         | 6           |            | C 3         | 3           | 9AU7*  | G 6         | 6           | OK OVER 50<br>9 | D 2         | 2           |
|       | F 6         | 6           |         | G 2         | 2           |         | F 6         | 6           |            | F 1         | 1           |        | G 6         | 6           | OK OVER 50<br>9 | D 7         | 7           |
| 8KA8* | F 6         | 6           |         | E 6         | 6           | 8SN7*   | F 11        | 11          | OK OVER 50 | E 1         | 1           | 9BJ11* | G 3         | 3           |                 | E 1         | 1           |
|       | F 6         | 6           |         | F 2         | 2           |         | F 11        | 11          | OK OVER 50 | E 4         | 4           |        | G 3         | 3           |                 | E 6         | 6           |
| 8KR8* | F 6         | 6           |         | D 2         | 2           | 8U9*    | F 5         | 5           |            | D 3         | 3           | 9BR7*  | G 6         | 6           | 9               | E 7         | 7           |
|       | F 6         | 6           |         | B 7         | 7           |         | F 5         | 5           |            | D 10        | 10          |        | G 6         | 6           | 9               | E 6         | 6           |
| 8KS8* | F 6         | 6           |         | F 2         | 2           | 8X9*    | F 5         | 5           |            | D 3         | 3           |        | G 6         | 6           | 9               | E 2         | 2           |
|       | F 6         | 6           |         | C 7         | 7           |         | F 5         | 5           |            | E 10        | 10          | 9BR8*  | G 6         | 6           |                 | D 9         | 9           |
|       |             |             |         |             |             |         |             |             |            |             |             |        | G 6         | 6           |                 | E 1         | 1           |



| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT   | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|------|-------------|-------------|-----------|-------------|-------------|------|-------------|-------------|---------|-------------|-------------|
| 9CG8* | G 6         | G 6         | 3       | E 1         | 9M-HH3*     | G 7  | G 7         | E 5         | 10C14*    | J 6         | E 2         |      |             |             |         |             |             |
|       | G 6         | G 6         | 3       | E 9         |             | G 7  |             | E 6         |           | J 6         | F 9         |      |             |             |         |             |             |
| 9CL8* | G 6         | G 6         |         | D 1         | 9ML8*       | G 6  | G 6         | D 6         | 10CW5     | G 6         | C 2         | 168  |             |             |         |             |             |
|       | G 6         | G 6         |         | D 9         |             | G 6  | G 6         | D 8         | 10D2*     | J 7         | E 2         |      |             |             |         |             |             |
| 9DZ8* | G 6         | G 6         |         | C 3         |             | G 6  | G 6         | D 9         |           | J 7         | E 7         |      |             |             |         |             |             |
|       | G 6         | G 6         |         | F 1         | 9MN8*       | G 3  | G 3         | D 1         | 10DE7*    | G 6         | C 2         | 3    |             |             |         |             |             |
| 9EA8* | G 6         | G 6         |         | D 9         |             | G 3  | G 3         | D 8         | 579       | G 6         | E 7         | 3    |             |             |         |             |             |
|       | G 6         | G 6         |         | D 2         |             | G 3  | G 3         | D 10        | 579       | G 6         | C 2         | 3    |             |             |         |             |             |
| 9ED4  | G 10        | G 10        | 2379    | G 8         | 9M-P12      | G 7  | G 7         | C 1         |           | G 6         | E 7         | 3    |             |             |         |             |             |
| 9EF6  | G 1         | G 1         |         | C 5         | 9R-A6       | G 6  | G 6         | C 7         | 2368      | G 6         | D 8         |      |             |             |         |             |             |
| 9GH8* | G 6         | G 6         |         | D 2         | 9R-AL1*     | G 6  | G 6         | C 2         | 3         | G 6         | F 1         |      |             |             |         |             |             |
|       | G 6         | G 6         |         | D 9         |             | G 6  | G 6         | F 7         | 3         | K 1         | C 5         |      |             |             |         |             |             |
| 9GV8* | G 6         | G 6         |         | C 9         | 9R-HR2*     | G 6  | G 6         | D 2         |           | D 1         | C 5         |      |             |             |         |             |             |
|       | G 6         | G 6         |         | E 2         |             | G 6  | G 6         | D 9         | 10E/558   | D 1         | E 10        |      |             |             |         |             |             |
| 9J6*  | G 7         | G 7         |         | E 5         | 9U8*        | G 6  | G 6         | D 2         | 10E/11448 | D 1         | E 5         |      |             |             |         |             |             |
|       | G 7         | G 7         |         | E 6         |             | G 6  | G 6         | D 9         | 10E/11533 | E 1         | C 5         |      |             |             |         |             |             |
| 9JW8* | G 6         | G 6         |         | D 9         | 9V9*        | G 5  | G 5         | D 8         | 10E/11581 | D 1         | F 10        |      |             |             |         |             |             |
|       | G 6         | G 6         |         | C 2         |             | G 5  | G 5         | E 3         | 10EB8*    | G 6         | C 7         |      |             |             |         |             |             |
| 9KC6  | G 6         | G 6         |         | C 2         | 9X8*        | G 6  | G 6         | E 2         |           | G 6         | F 2         |      |             |             |         |             |             |
| 9KG6  | G 10        | G 10        | 678     | A 1         |             | G 6  | G 6         | E 7         | 10EG7*    | G 11        | D 1         |      |             |             |         |             |             |
| 9KV8* | G 6         | G 6         |         | C 7         | 10AF11*     | G 3  | G 3         | C 1         |           | G 11        | E 4         |      |             |             |         |             |             |
|       | G 6         | G 6         |         | F 2         |             | G 3  | G 3         | F 6         | 10EM7*    | G 11        | D 1         |      |             |             |         |             |             |
| 9KX6  | G 6         | G 6         | 36      | C 2         |             | G 3  | G 3         | F 3         |           | G 11        | F 4         |      |             |             |         |             |             |
| 9KZ8* | G 6         | G 6         |         | D 2         | 10BQ5       | G 6  | G 6         | C 2         | 168       | G 6         | C 7         |      |             |             |         |             |             |
|       | G 6         | G 6         |         | D 9         | 10C8*       | G 6  | G 6         | D 8         |           | G 6         | F 2         |      |             |             |         |             |             |
| 9LA6  | G 6         | G 6         | 3       | C 2         |             | G 6  | G 6         | E 2         |           |             |             |      |             |             |         |             |             |

\*See "NOTE" On Inside Front Cover

9CG8-10EW7

| TUBE    | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|------------------|-------------|---------|-------------|-------------|---------|------------------|-------------|---------|-------------|-------------|---------|------------------|-------------|---------|-------------|-------------|
| 10FD7*  | G 6              | 6           | 3       | C 7         | 7           | 10JY8*  | G 6              | 6           |         | C 7         | 7           | 10T10*  | G 3              | 3           |         | D 3         | 3           |
|         | G 6              | 6           | 3       | D 2         | 2           |         | G 6              | 6           |         | D 2         | 2           |         | G 3              | 3           |         | C 8         | 8           |
| 10FD12* | J 6              | 6           |         | E 2         | 2           | 10KR8*  | G 6              | 6           |         | C 7         | 7           | 10Z10*  | G 3              | 3           |         | C 1         | 1           |
|         | J 6              | 6           |         | G 7         | 7           |         | G 6              | 6           |         | D 2         | 2           |         | G 3              | 3           |         | H 6         | 6           |
| 10FR7*  | J 6              | 6           |         | G 8         | 8           | 10KU8*  | G 6              | 6           |         | D 7         | 7           | 11AF9*  | H 5              | 5           | 2       | C 8         | 8           |
|         | G 6              | 6           | 3       | C 2         | 2           |         | G 6              | 6           |         | G 3         | 3           |         | H 5              | 5           | 8       | D 1         | 1           |
| 10GF7*  | G 6              | 6           | 3       | F 7         | 7           |         | G 6              | 6           |         | G 2         | 2           | 11AR11* | H 3              | 3           |         | D 10        | 10          |
|         | G 9              | 9           |         | C 2         | 2           | 10LB8*  | G 6              | 6           |         | D 2         | 2           |         | H 3              | 3           |         | D 5         | 5           |
| 10GH8*  | G 6              | 6           |         | G 9         | 9           |         | G 6              | 6           |         | D 7         | 7           | 11BM8*  | H 6              | 6           |         | C 3         | 3           |
|         | G 6              | 6           |         | D 9         | 9           | 10LD6   | G 6              | 6           | 89      | A 2         | 2           |         | H 6              | 6           |         | F 1         | 1           |
| 10GK6   | G 6              | 6           | 9       | D 2         | 2           | 10LD12* | K 6              | 6           |         | F 8         | 8           | 11BN11* | H 3              | 3           |         | E 3         | 3           |
| 10GM8*  | G 6              | 6           |         | C 2         | 2           |         | K 6              | 6           |         | G 6         | 6           |         | H 3              | 3           |         | E 7         | 7           |
|         | G 6              | 6           |         | E 7         | 7           |         | K 6              | 6           |         | G 2         | 2           | 11BQ11* | H 3              | 3           |         | E 5         | 5           |
|         | G 6              | 6           |         | E 2         | 2           |         | K 6              | 6           |         | G 1         | 1           |         | H 3              | 3           |         | E 10        | 10          |
| 10GN8*  | G 6              | 6           |         | C 7         | 7           | 10LE8   | G 6              | 6           |         | D 9         | 9           | 11BT11* | G 3              | 3           | 8       | E 3         | 3           |
|         | G 6              | 6           |         | G 2         | 2           | 10LM8*  | G 6              | 6           |         | D 2         | 2           |         | G 3              | 3           | 48      | E 5         | 5           |
| 10GV8*  | G 6              | 6           |         | E 2         | 2           |         | G 6              | 6           |         | D 9         | 9           |         | G 3              | 3           | 6       | D 1         | 1           |
|         | G 6              | 6           |         | C 9         | 9           | 10LW8*  | G 6              | 6           |         | F 2         | 2           | 11C5    | H 7              | 7           | 5       | C 2         | 2           |
| 10HA6   | G 6              | 6           | 36      | C 2         | 2           |         | G 6              | 6           |         | G 7         | 7           | 11CA11* | H 3              | 3           | 9       | E 3         | 3           |
| 10HF8*  | G 6              | 6           |         | D 7         | 7           | 10LY8*  | G 6              | 6           |         | F 2         | 2           |         | H 3              | 3           | 7       | E 6         | 6           |
|         | G 6              | 6           |         | F 2         | 2           |         | G 6              | 6           |         | C 7         | 7           |         | H 3              | 3           | 7       | C 8         | 8           |
| 10JA5   | E 3              | 3           | 345789  | A 2         | 2           | 10LZ8*  | G 6              | 6           |         | E 2         | 2           | 11CF11* | G 3              | 3           | 67      | E 9         | 9           |
| 10JA8*  | G 6              | 6           |         | D 7         | 7           |         | G 6              | 6           |         | D 7         | 7           |         | G 3              | 3           | 68      | D 1         | 1           |
|         | G 6              | 6           |         | F 2         | 2           | 10PL12* | M 6              | 6           |         | C 3         | 3           |         | G 3              | 3           | 78      | B 5         | 5           |
| 10JT8*  | G 6              | 6           |         | D 7         | 7           |         | M 6              | 6           |         | E 1         | 1           |         |                  |             |         |             |             |
|         | G 6              | 6           |         | F 2         | 2           |         |                  |             |         |             |             |         |                  |             |         |             |             |



| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | B<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | B<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>B | S<br>E<br>L |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|-----------------|-------------|-------------|
| 11CH11* | H 3         | 3           | 6       | E 3         | 3           | 12A8    | H 1         | 1           |         | E 5         | 5           | 12AJ6*  | H 7         | 7           |                 | F 1         | 1           |
|         | H 3         | 3           | 48      | E 5         | 5           | 12AB5   | H 6         | 6           | 16      | C 3         | 3           |         | H 7         | 7           |                 | G 5         | 5           |
|         | H 3         | 3           | 6       | D 1         | 1           | 12AC6   | H 7         | 7           |         | F 1         | 1           |         | H 7         | 7           |                 | G 6         | 6           |
| 11CY7*  | H 6         | 6           |         | C 3         | 3           | 12AC10* | H 3         | 3           |         | E 1         | 1           | 12AJ7*  | H 6         | 6           |                 | F 2         | 2           |
|         | H 6         | 6           |         | E 7         | 7           |         | H 3         | 3           |         | E 7         | 7           |         | H 6         | 6           |                 | G 9         | 9           |
| 11DS5   | H 7         | 7           | 7       | C 1         | 1           |         | H 3         | 3           |         | E 9         | 9           | 12AL5*  | H 7         | 7           |                 | E 2         | 2           |
| 11FY7*  | H 3         | 3           | 8       | C 3         | 3           | 12AD6   | H 7         | 7           |         | F 1         | 1           |         | H 7         | 7           |                 | E 7         | 7           |
|         | H 3         | 3           | 8       | F 10        | 10          | 12AD7*  | H 6         | 6           | 9       | F 2         | 2           | 12AL8*  | H 6         | 6           |                 | E 3         | 3           |
| 11HM7   | H 6         | 6           | 69      | C 2         | 2           |         | H 6         | 6           | 9       | F 7         | 7           |         | H 6         | 6           |                 | G 8         | 8           |
| 11JE8*  | H 6         | 6           |         | F 2         | 2           | 12AE6*  | H 7         | 7           |         | F 1         | 1           | 12AL11* | H 3         | 3           |                 | C 8         | 8           |
|         | H 6         | 6           |         | D 7         | 7           |         | H 7         | 7           |         | G 5         | 5           |         | H 3         | 3           |                 | E 3         | 3           |
| 11KV8*  | H 6         | 6           |         | C 7         | 7           |         | H 7         | 7           |         | G 6         | 6           | 12AQ5   | H 7         | 7           | 7               | C 1         | 1           |
|         | H 6         | 6           |         | F 2         | 2           | 12AE7*  | H 6         | 6           | 9       | F 2         | 2           | 12AS5   | H 7         | 7           | 5               | C 2         | 2           |
| 11LQ8*  | H 6         | 6           |         | D 2         | 2           |         | H 6         | 6           | 9       | G 7         | 7           | 12AT6*  | H 7         | 7           |                 | F 1         | 1           |
|         | H 6         | 6           |         | D 7         | 7           | 12AE10* | H 3         | 3           |         | F 3         | 3           |         | H 7         | 7           |                 | G 5         | 5           |
| 11LT8*  | H 6         | 6           | 7       | E 9         | 9           |         | H 3         | 3           |         | C 8         | 8           |         | H 7         | 7           |                 | G 6         | 6           |
|         | H 6         | 6           | 1       | C 6         | 6           | 12AF3   | H 6         | 6           | 123678  | A 9         | 9           | 12AT7*  | H 6         | 6           | 9               | E 2         | 2           |
|         | H 6         | 6           | 1       | C 8         | 8           | 12AF6   | H 7         | 7           |         | F 1         | 1           |         | H 6         | 6           | 9               | E 7         | 7           |
| 11LY6   | H 6         | 6           | 36      | D 2         | 2           | 12AF11* | H 3         | 3           |         | C 1         | 1           | 12AU5   | H 1         | 1           |                 | A 1         | 1           |
| 11MS8*  | H 6         | 6           |         | B 2         | 2           |         | H 3         | 3           |         | F 6         | 6           | 12AU6   | H 7         | 7           |                 | D 1         | 1           |
|         | H 6         | 6           |         | F 9         | 9           |         | H 3         | 3           |         | F 3         | 3           | 12AU7*  | H 6         | 6           | OK OVER 50<br>9 | D 2         | 2           |
| 11R3    | H 6         | 6           | 123678  | A 9         | 9           | 12AG6   | H 7         | 7           |         | F 1         | 1           |         | H 6         | 6           | OK OVER 50<br>9 | D 7         | 7           |
| 11Y9*   | H 5         | 5           |         | C 8         | 8           | 12AH7*  | H 11        | 11          |         | F 1         | 1           | 12AU8*  | H 6         | 6           |                 | D 7         | 7           |
|         | H 5         | 5           |         | D 1         | 1           |         | H 11        | 11          |         | F 5         | 5           |         | H 6         | 6           |                 | D 2         | 2           |
| 12A4    | H 6         | 6           | 23      | C 7         | 7           |         |             |             |         |             |             | 12AV5   | H 1         | 1           |                 | A 1         | 1           |
| 12A6    | H 1         | 1           |         | C 5         | 5           |         |             |             |         |             |             |         |             |             |                 |             |             |

| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|------------|-------------|-------------|------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 12AV6*  | H 7         | H 7         |            | F 1         | 12BC32*     | H 7  | H 7         |             | F 1     | 12BT3       | H 3         | 12BT6* | H 7         |             | 0       | A 4         | 4           |
|         | H 7         | H 7         |            | G 5         |             | H 7  | H 7         |             | G 5     |             | H 7         |        | H 7         |             |         | F 1         | 1           |
|         | H 7         | H 7         |            | G 6         |             | H 7  | H 7         |             | G 6     |             | H 7         |        | H 7         |             |         | G 5         | 5           |
| 12AV7*  | H 6         | H 6         | 9          | D 2         | 12BD6       | H 7  | H 7         |             | D 1     |             | H 7         |        | H 7         |             |         | G 6         | 6           |
|         | H 6         | H 6         | 9          | D 7         | 12BE3       | H 3  | H 3         | 0           | A 4     |             | H 7         |        | H 7         |             |         | E 1         | 1           |
| 12AW6   | H 7         | H 7         |            | E 1         | 12BE6       | H 7  | H 7         |             | D 1     |             | H 7         |        | H 7         |             |         | G 5         | 5           |
| 12AW8*  | H 6         | H 6         |            | D 7         | 12BE7       | H 6  | H 6         |             | F 7     |             | H 7         |        | H 7         |             |         | G 6         | 6           |
|         | H 6         | H 6         |            | F 2         | 12BF6*      | H 7  | H 7         |             | F 1     |             | H 6         |        | H 6         |             | 69      | C 2         | 2           |
| 12AX3   | H 3         | H 3         | 0          | A 4         |             | H 7  | H 7         |             | G 5     |             | H 3         |        | H 3         |             |         | F 6         | 6           |
| 12AX4   | H 11        | H 11        | 2          | A 5         |             | H 7  | H 7         |             | G 6     |             | H 3         |        | H 3         |             |         | F 7         | 7           |
| 12AX7*  | H 6         | H 6         | 9          | F 2         | 12BF11*     | H 3  | H 3         |             | C 8     |             | H 6         |        | H 6         |             |         | B 1         | 1           |
|         | H 6         | H 6         | 9          | F 7         |             | H 3  | H 3         |             | D 3     |             | H 6         |        | H 6         |             |         | B 7         | 7           |
| 12AY3   | H 9         | H 9         | 13678      | A 2         | 12BH7*      | H 6  | H 6         | 9           | D 2     |             | H 6         |        | H 6         |             | 1       | D 2         | 2           |
| 12AY7*  | H 6         | H 6         | 9          | F 2         |             | H 6  | H 6         | 9           | D 7     |             | H 11        |        | H 11        |             |         | C 1         | 1           |
|         | H 6         | H 6         | 9          | F 7         | 12BK5       | H 6  | H 6         | 7           | C 3     |             | H 11        |        | H 11        |             |         | C 4         | 4           |
| 12AZ7*  | H 6         | H 6         | 9          | E 2         | 12BK6*      | H 7  | H 7         |             | F 1     |             | H 6         |        | H 6         |             | 123678  | A 9         | 9           |
|         | H 6         | H 6         | 9          | E 7         |             | H 7  | H 7         |             | G 5     |             | H 6         |        | H 6         |             | 69      | C 2         | 2           |
| 12B4    | H 6         | H 6         | 23         | C 7         |             | H 7  | H 7         |             | G 6     |             | H 7         |        | H 7         |             |         | D 1         | 1           |
| 12B8*   | H 1         | H 1         |            | E 10        | 12BL6       | H 7  | H 7         |             | F 1     |             | H 6         |        | H 6         |             | 9       | F 2         | 2           |
|         | H 1         | H 1         |            | F 8         | 12BN6       | H 7  | H 7         |             | H 5     |             | H 6         |        | H 6         |             | 9       | F 7         | 7           |
| 12BA6   | H 7         | H 7         |            | D 1         | 12BQ6       | H 1  | H 1         |             | A 5     |             | H 7         |        | H 7         |             | 5       | C 2         | 2           |
| 12BA7   | H 6         | H 6         |            | D 2         | 12BR3       | H 6  | H 6         | 123678      | A 9     |             | H 1         |        | H 1         |             |         | E 10        | 10          |
| 12BA11* | H 3         | H 3         | OK OVER 50 | D 9         | 12BR7*      | H 6  | H 6         | 9           | E 7     |             | H 1         |        | H 1         |             |         | G 4         | 4           |
|         | H 3         | H 3         | OK OVER 50 | E 4         |             | H 6  | H 6         | 9           | E 6     |             | H 1         |        | H 1         |             |         | G 5         | 5           |
| 12B-B14 | H 10        | H 10        | 236        | A 1         |             | H 6  | H 6         | 9           | E 2     |             | H 7         |        | H 7         |             | 5       | C 2         | 2           |
|         |             |             |            |             | 12BS3       | H 9  | H 9         | 13678       | A 2     |             | H 9         |        | H 9         |             | 13678   | A 2         | 2           |

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12AV6-12CK3



| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 12CL3  | H           | 9           | 13678   | A           | 2           | 12DK6  | H           | 7           |         | D           | 1           | 12DV7* | H           | 6           | 9       | G           | 2           |
| 12CM6  | H           | 6           | 6       | C           | 3           | 12DK7* | H           | 6           | 8       | E           | 1           |        | H           | 6           | 9       | G           | 3           |
| 12CN5  | H           | 7           | 5       | F           | 2           |        | H           | 6           | 8       | G           | 6           |        | H           | 6           | 9       | G           | 7           |
| 12CR6* | H           | 7           |         | E           | 7           |        | H           | 6           | 8       | G           | 9           | 12DV8* | H           | 6           |         | D           | 3           |
| 12CS5  | H           | 7           | 678     | G           | 2           | 12DL8* | H           | 6           |         | C           | 3           |        | H           | 6           |         | G           | 1           |
| 12CS6  | H           | 6           |         | C           | 3           |        | H           | 6           |         | G           | 1           |        | H           | 6           |         | G           | 9           |
| 12CT3  | H           | 6           | 12378   | D           | 1           | 12DM4  | H           | 11          | 2       | G           | 9           | 12DW4  | H           | 9           | 13678   | A           | 2           |
| 12CT8* | H           | 6           |         | A           | 6           | 12DM5  | H           | 7           |         | A           | 5           | 12DW5  | H           | 6           | 6       | C           | 3           |
| 12CU5  | H           | 6           |         | D           | 8           | 12DM7* | H           | 6           | 9       | C           | 2           | 12DW7* | H           | 6           | 9       | D           | 2           |
| 12CU6  | H           | 1           | 5       | E           | 2           |        | H           | 6           |         | E           | 2           |        | H           | 6           | 9       | F           | 7           |
| 12CX6  | H           | 7           |         | C           | 2           | 12DQ4  | H           | 6           | 9       | E           | 7           | 12DW8* | H           | 6           |         | E           | 7           |
| 12CY6  | H           | 7           |         | A           | 5           | 12DQ6  | H           | 11          | 2       | A           | 5           |        | H           | 6           |         | E           | 2           |
| 12D4   | H           | 11          | 2       | F           | 1           | 12DQ7  | H           | 6           | 69      | A           | 5           |        | H           | 6           |         | F           | 9           |
| 12DA6  | H           | 6           |         | F           | 1           | 12DS7* | H           | 6           |         | C           | 2           | 12DY8* | H           | 6           |         | D           | 1           |
| 12DB5  | H           | 6           | 678     | A           | 5           |        | H           | 6           |         | D           | 3           |        | H           | 6           |         | F           | 9           |
| 12DE8* | H           | 6           |         | D           | 2           |        | H           | 6           |         | G           | 1           | 12DZ6  | H           | 7           |         | F           | 1           |
| 12DF5* | H           | 6           | 9       | C           | 3           | 12DT5  | H           | 6           | 68      | G           | 9           | 12DZ7* | H           | 1           |         | C           | 1           |
| 12DF7* | H           | 6           | 9       | F           | 1           | 12DT6  | H           | 7           |         | C           | 3           |        | H           | 1           |         | C           | 5           |
| 12DJ8* | H           | 6           | 9       | F           | 2           | 12DT7* | H           | 6           | 9       | E           | 1           | 12DZ8* | H           | 6           |         | C           | 3           |
| 12DK5  | H           | 6           | 9       | B           | 1           |        | H           | 6           |         | G           | 2           | 12E5   | H           | 6           |         | F           | 1           |
|        | H           | 6           |         | B           | 6           |        | H           | 6           | 9       | G           | 7           |        | H           | 1           |         | F           | 5           |
|        | H           | 6           | 9       | F           | 2           | 12DT8* | H           | 6           |         | E           | 2           | 12E13  | E           | 1           |         | A           | 5           |
|        | H           | 6           | 9       | F           | 7           |        | H           | 6           |         | E           | 7           | 12EA6  | H           | 7           |         | F           | 1           |
|        | H           | 6           |         | D           | 2           | 12DU7* | H           | 6           | 8       | D           | 1           | 12EC8* | H           | 6           |         | F           | 1           |
|        | H           | 6           |         | D           | 7           |        | H           | 6           | 8       | G           | 7           |        | H           | 6           |         | F           | 9           |
|        | H           | 6           | 9       | F           | 2           |        | H           | 6           | 8       | G           | 9           | 12ED5  | H           | 7           | 5       | C           | 2           |

\*See "NOTE" On Inside Front Cover

12CL3-12ED5

| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T      | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|------|-------------|------------------|---------|-------------|-------------|------|-------------|-------------|---------|-------------|-------------|
| 12EF6  | H 1         |             |         | C 5         | 12FQ7*      | H 6  | H 6         |                  |         | D 2         | 12GC5       | H 6  | 16          | C 3         |         |             |             |
| 12EG6  | H 7         |             |         | F 1         |             | H 6  | H 6         |                  |         | D 7         | 12GC6       | H 1  |             | A 5         |         |             |             |
| 12EH5  | H 7         | 5           |         | C 2         | 12FQ8*      | H 6  | H 6         |                  |         | G 2         | 12GE5       | H 3  | 145689      | A 3         |         |             |             |
| 12EK6  | H 7         |             |         | E 1         |             | H 6  | H 6         |                  |         | G 7         | 12GJ5       | H 9  | 679         | A 2         |         |             |             |
| 12EL6* | H 7         |             |         | F 1         | 12FR8*      | H 6  | H 6         |                  |         | F 3         | 12G-K17     | H 11 |             | A 5         |         |             |             |
|        | H 7         |             |         | G 5         |             | H 6  | H 6         |                  |         | G 1         | 12GN7       | H 6  | 69          | D 2         |         |             |             |
|        | H 7         |             |         | G 6         |             | H 6  | H 6         |                  |         | G 8         | 12GT5       | H 9  | 16          | A 2         |         |             |             |
| 12EM6* | H 6         | 78          |         | E 1         | 12FS5       | H 7  | H 7         |                  | 2       | D 1         | 12GW6       | H 1  |             | A 5         |         |             |             |
|        | H 6         | 78          |         | G 9         | 12FT6*      | H 7  | H 7         |                  |         | E 1         | 12H4        | H 7  | 12          | E 6         |         |             |             |
| 12EN6  | H 1         |             |         | C 5         |             | H 7  | H 7         |                  |         | G 5         | 12H6*       | H 1  |             | F 3         |         |             |             |
| 12EQ7* | H 6         |             |         | E 2         |             | H 7  | H 7         |                  |         | G 6         |             | H 1  |             | F 5         |         |             |             |
|        | H 6         |             |         | G 8         | 12FV7*      | H 6  | H 6         |                  | 9       | D 2         | 12H31       | H 7  |             | D 1         |         |             |             |
| 12EZ6  | H 7         |             |         | F 1         |             | H 6  | H 6         |                  | 9       | D 7         | 12HE7*      | H 3  | 70          | A 2         |         |             |             |
| 12F5   | H 1         |             |         | F 10        | 12FX5       | H 7  | H 7         |                  | 5       | C 2         |             | H 3  | 70          | A 9         |         |             |             |
| 12F8*  | H 6         |             |         | F 8         | 12FX8*      | H 6  | H 6         | SHORT OK POS. 11 |         | F 2         | 12HG7       | H 6  | 69          | C 2         |         |             |             |
|        | H 6         |             |         | G 6         |             | H 6  | H 6         | SHORT OK POS. 11 |         | F 6         | 12HL5       | H 6  | 168         | A 2         |         |             |             |
|        | H 6         |             |         | G 1         | 12FY8*      | H 6  | H 6         |                  |         | E 3         | 12HL7       | H 6  | 36          | C 2         |         |             |             |
| 12F31  | H 7         |             |         | D 1         |             | H 6  | H 6         |                  |         | F 1         | 12HU8*      | H 6  |             | C 2         |         |             |             |
| 12FA6  | H 7         |             |         | F 1         | 12G4        | H 7  | H 7         |                  | 2       | E 6         |             | H 6  |             | C 6         |         |             |             |
| 12FK6* | H 7         |             |         | F 1         | 12G8*       | H 6  | H 6         |                  | 9       | E 3         | 12J5        | H 1  | OK OVER 50  | E 5         |         |             |             |
|        | H 7         |             |         | G 5         |             | H 6  | H 6         |                  | 9       | E 8         | 12J7        | H 1  |             | G 10        |         |             |             |
|        | H 7         |             |         | G 6         | 12G11*      | H 3  | H 3         |                  |         | C 8         | 12J8*       | H 6  |             | D 1         |         |             |             |
| 12FM6* | H 7         |             |         | F 1         |             | H 3  | H 3         |                  |         | D 3         |             | H 6  |             | F 8         |         |             |             |
|        | H 7         |             |         | G 5         | 12GA6       | H 7  | H 7         |                  |         | F 1         |             | H 6  |             | F 9         |         |             |             |
|        | H 7         |             |         | G 6         | 12GB3       | H 1  | H 1         |                  | 3       | A 5         | 12JB6       | H 9  | 679         | A 2         |         |             |             |
|        |             |             |         |             | 12G-B7      | H 1  | H 1         |                  | 3       | A 5         | 12JF5       | H 3  | 1567890     | A 3         |         |             |             |

\*See "NOTE" On Inside Front Cover



| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE     | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|----------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|------------|-------------|-------------|
| 12JN6  | H 3         |             | 4       | A 1         |             | 12Q7*    | H 1         |             |         | F 10        |             | 12SN7* | H 11        |             | OK OVER 50 | E 1         |             |
| 12JN8* | H 6         |             |         | D 1         |             |          | H 1         |             |         | G 5         |             |        | H 11        |             | OK OVER 50 | E 4         |             |
|        | H 6         |             |         | D 9         |             |          | H 1         |             |         | G 4         |             | 12SQ7* | H 11        |             |            | F 2         |             |
| 12JO6* | H 6         |             | 27      | A 8         |             | 12R5     | H 7         |             | 5       | C 2         |             |        | H 11        |             |            | G 4         |             |
|        | H 6         |             | 27      | G 6         |             | 12R-K19  | H 6         |             | 123678  | A 2         |             |        | H 11        |             |            | G 5         |             |
| 12JS6  | H 3         |             | 1790    | A 5         |             | 12R-LL3* | H 6         |             | 9       | D 2         |             | 12SR7* | H 11        |             |            | E 2         |             |
| 12JT6  | H 9         |             | 78      | A 2         |             |          | H           |             | 9       | D 7         |             |        | H 11        |             |            | G 4         |             |
| 12JZ8* | H 3         |             | 7       | C 6         |             | 12R-LL5* | H 6         |             |         | E 2         |             |        | H 11        |             |            | G 5         |             |
|        | H 3         |             | 7       | F 10        |             |          | H 6         |             |         | E 7         |             | 12S7   | H 1         |             |            | E 4         |             |
| 12K5   | H 7         |             | 6       | D 5         |             | 12S8*    | H 11        |             |         | F 10        |             | 12SW7* | H 11        |             |            | E 2         |             |
| 12K7   | H 1         |             |         | E 10        |             |          | H 11        |             |         | G 4         |             |        | H 11        |             |            | G 4         |             |
| 12K8   | H 1         |             |         | E 5         |             |          | H 11        |             |         | G 3         |             |        | H 11        |             |            | G 5         |             |
| 12KA8* | H 6         |             |         | E 6         |             |          | H 11        |             |         | G 1         |             | 12SX7* | H 11        |             |            | E 1         |             |
|        | H 6         |             |         | F 2         |             | 12SA7    | H 1         |             |         | D 5         |             |        | H 11        |             |            | E 4         |             |
| 12KL8* | H 6         |             |         | D 2         |             | 12SC7*   | H 11        |             |         | F 3         |             | 12SY7  | H 1         |             |            | D 5         |             |
|        | H 6         |             |         | F 8         |             |          | H 11        |             |         | F 4         |             | 12T10* | H 3         |             |            | C 8         |             |
| 12L6   | H 1         |             |         | C 5         |             | 12SF5    | H 11        |             |         | F 3         |             |        | H 3         |             |            | D 3         |             |
| 12MD8* | H 9         |             |         | D 6         |             | 12SF7*   | H 11        |             |         | D 2         |             | 12U7*  | H 6         |             | 9          | G 2         |             |
|        | H 9         |             |         | D 8         |             |          | H 11        |             |         | G 5         |             |        | H 6         |             | 9          | G 7         |             |
|        | H 9         |             |         | D 9         |             | 12SG7    | H 1         |             | 3       | D 4         |             | 12V6   | H 1         |             |            | B 5         |             |
| 12MX8* | H 9         |             |         | B 2         |             | 12SH7    | H 1         |             | 3       | D 4         |             | 12W6   | H 1         |             |            | C 5         |             |
|        | H 9         |             |         | H 9         |             | 12SJ7    | H 1         |             |         | E 4         |             | 12X4*  | H 7         |             |            | B 1         |             |
| 12NK7* | H 11        |             |         | E 1         |             | 12SK7    | H 1         |             |         | D 4         |             |        | H 7         |             |            | B 6         |             |
|        | H 11        |             |         | E 4         |             | 12SL7*   | H 11        |             |         | F 1         |             | 13CM5  | H 1         |             |            | A 5         |             |
|        |             |             |         |             |             |          | H 11        |             |         | F 4         |             | 13CW4  | H 4         |             |            | H 2         |             |

\*See "NOTE" On Inside Front Cover

| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|
| 13D1*  | K 11        | OK OVER 50  | E 1     | 13JT8*      | H 6         | 13JT8*  | H 6         | 13JT8*      | H 6     | 13JT8*      | H 6         | 13JT8*  | H 6         | 13JT8*      | H 6     | 13JT8*      | H 6         |
| 13DE7* | K 11        | OK OVER 50  | F 4     | 13JZ8*      | H 6         | 13JZ8*  | H 6         | 13JZ8*      | H 6     | 13JZ8*      | H 6         | 13JZ8*  | H 6         | 13JZ8*      | H 6     | 13JZ8*      | H 6         |
| 13DF7* | H 6         | 3           | C 2     | 13SJ7       | H 3         | 13SJ7   | H 3         | 13SJ7       | H 3     | 13SJ7       | H 3         | 13SJ7   | H 3         | 13SJ7       | H 3     | 13SJ7       | H 3         |
| 13DR7* | H 6         | 3           | E 7     | 13V10*      | H 3         | 13V10*  | H 3         | 13V10*      | H 3     | 13V10*      | H 3         | 13V10*  | H 3         | 13V10*      | H 3     | 13V10*      | H 3         |
| 13EM7* | H 6         | 9           | F 2     | 13Z10*      | H 3         | 13Z10*  | H 3         | 13Z10*      | H 3     | 13Z10*      | H 3         | 13Z10*  | H 3         | 13Z10*      | H 3     | 13Z10*      | H 3         |
| 13FD7* | H 6         | 3           | C 2     | 14BF11*     | H 3         | 14BF11* | H 3         | 14BF11*     | H 3     | 14BF11*     | H 3         | 14BF11* | H 3         | 14BF11*     | H 3     | 14BF11*     | H 3         |
| 13FG7* | H 6         | 3           | D 1     | 14BL11*     | H 3         | 14BL11* | H 3         | 14BL11*     | H 3     | 14BL11*     | H 3         | 14BL11* | H 3         | 14BL11*     | H 3     | 14BL11*     | H 3         |
| 13FM7* | H 6         | 3           | F 4     | 14BQ11      | H 3         | 14BQ11  | H 3         | 14BQ11      | H 3     | 14BQ11      | H 3         | 14BQ11  | H 3         | 14BQ11      | H 3     | 14BQ11      | H 3         |
| 13FR7* | H 6         | 3           | E 10    | 14BR11*     | H 3         | 14BR11* | H 3         | 14BR11*     | H 3     | 14BR11*     | H 3         | 14BR11* | H 3         | 14BR11*     | H 3     | 14BR11*     | H 3         |
| 13GB5  | H 6         | 3           | C 2     | 14F8*       | H 3         | 14F8*   | H 3         | 14F8*       | H 3     | 14F8*       | H 3         | 14F8*   | H 3         | 14F8*       | H 3     | 14F8*       | H 3         |
| 13GC8* | H 6         | 236         | A 1     | 14GT8*      | H 3         | 14GT8*  | H 3         | 14GT8*      | H 3     | 14GT8*      | H 3         | 14GT8*  | H 3         | 14GT8*      | H 3     | 14GT8*      | H 3         |
| 13GF7* | H 6         | 3           | C 9     | 15A7*       | H 3         | 15A7*   | H 3         | 15A7*       | H 3     | 15A7*       | H 3         | 15A7*   | H 3         | 15A7*       | H 3     | 15A7*       | H 3         |
| 13J10* | H 6         | 3           | E 2     | 15E6*       | H 3         | 15E6*   | H 3         | 15E6*       | H 3     | 15E6*       | H 3         | 15E6*   | H 3         | 15E6*       | H 3     | 15E6*       | H 3         |
|        | H 6         | 3           | C 1     | 15EW6       | H 3         | 15EW6   | H 3         | 15EW6       | H 3     | 15EW6       | H 3         | 15EW6   | H 3         | 15EW6       | H 3     | 15EW6       | H 3         |
|        | H 6         | 3           | H 6     |             | H 6         |         | H 6         |             | H 6     |             | H 6         |         | H 6         |             | H 6     |             | H 6         |

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| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|
| 15EW7*  | J 6         | 6           | 3       | C 7         | 7           | 16BX11* | J 3         | 3           |         | D 2         | 2           | 17AV5   | J 1         | 1           |         | A 1         | 1           |
|         | J 6         | 6           | 3       | F 2         | 2           |         | J 3         | 3           |         | E 8         | 8           | 17AX3   | J 3         | 3           | 0       | A 4         | 4           |
| 15FM7*  | J 3         | 3           | 68      | C 3         | 3           |         | J 3         | 3           |         | E 5         | 5           | 17AX4   | J 11        | 11          | 2       | A 5         | 5           |
|         | J 3         | 3           | 68      | E 10        | 10          | 16C-B28 | J 3         | 3           | 1457    | A 5         | 5           | 17AY3   | J 9         | 9           | 13678   | A 2         | 2           |
| 15FY7*  | J 3         | 3           | 8       | C 3         | 3           | 16CL8*  | J 6         | 6           |         | D 1         | 1           | 17B-B14 | J 10        | 10          | 236     | A 1         | 1           |
|         | J 3         | 3           | 8       | E 10        | 10          |         | J 6         | 6           |         | D 9         | 9           | 17BD11* | J 3         | 3           |         | D 1         | 1           |
| 15GY5   | J 3         | 3           | 1457    | A 9         | 9           | 16GK6   | J 6         | 6           |         | C 2         | 2           |         | J 3         | 3           |         | E 3         | 3           |
| 15HA6   | J 6         | 6           | 36      | C 2         | 2           | 16GK8*  | J 6         | 6           |         | C 3         | 3           |         | J 3         | 3           |         | F 6         | 6           |
| 15HB6   | J 6         | 6           | 36      | C 2         | 2           |         | J 6         | 6           |         | F 1         | 1           | 17BE3   | J 3         | 3           | 0       | A 4         | 4           |
| 15KY8*  | J 9         | 9           |         | C 2         | 2           | 16GY5   | J 3         | 3           | 1457    | A 9         | 9           | 17BF11* | J 3         | 3           |         | D 3         | 3           |
|         | J 9         | 9           |         | G 9         | 9           | 16K11*  | J 3         | 3           |         | F 1         | 1           |         | J 3         | 3           |         | C 8         | 8           |
| 15LE8   | J 6         | 6           |         | D 9         | 9           |         | J 3         | 3           |         | F 7         | 7           | 17BH3   | J 9         | 9           | 13678   | A 2         | 2           |
| 15MF8*  | J 3         | 3           | 357     | D 6         | 6           |         | J 3         | 3           |         | D 9         | 9           | 17BJ6   | J 7         | 7           |         | D 1         | 1           |
|         | J 3         | 3           | 357     | D 10        | 10          | 16KA6   | J 3         | 3           | 179     | A 5         | 5           | 17BQ6   | J 1         | 1           |         | A 5         | 5           |
| 15MX8*  | J 9         | 9           |         | B 2         | 2           | 16LD6   | J 6         | 6           | 89      | A 2         | 2           | 17BR3   | J 6         | 6           | 123678  | A 9         | 9           |
|         | J 9         | 9           |         | H 9         | 9           | 16LU8*  | J 3         | 3           | 7       | B 6         | 6           | 17BS3   | J 9         | 9           | 13678   | A 2         | 2           |
| 16A5    | J 6         | 6           |         | C 2         | 2           |         | J 3         | 3           | 7       | E 10        | 10          | 17BW3   | J 3         | 3           | 2345689 | A 10        | 10          |
| 16A8*   | J 6         | 6           |         | C 3         | 3           | 16Y9*   | J 5         | 5           |         | C 8         | 8           | 17BZ3   | J 3         | 3           | 56890   | A 4         | 4           |
|         | J 6         | 6           |         | E 1         | 1           |         | J 5         | 5           |         | D 1         | 1           | 17C5    | J 7         | 7           | 5       | C 2         | 2           |
| 16AK9*  | J 3         | 3           | 6       | E 3         | 3           | 17A8*   | J 6         | 6           |         | D 2         | 2           | 17C8*   | J 6         | 6           |         | F 2         | 2           |
|         | J 3         | 3           | 6       | E 10        | 10          |         | J 6         | 6           |         | E 9         | 9           |         | J 6         | 6           |         | G 7         | 7           |
|         | J 3         | 3           | 6       | B 8         | 8           | 17AB9*  | J 5         | 5           |         | D 3         | 3           |         | J 6         | 6           |         | G 8         | 8           |
| 16AQ3   | J 6         | 6           | 123678  | A 9         | 9           |         | J 5         | 5           |         | D 9         | 9           | 17C9*   | J 6         | 6           |         | E 1         | 1           |
| 16BQ11* | J 3         | 3           |         | E 5         | 5           | 17AB10* | J 3         | 3           |         | C 1         | 1           |         | J 6         | 6           |         | E 7         | 7           |
|         | J 3         | 3           |         | E 10        | 10          |         | J 3         | 3           |         | H 6         | 6           | 17CA5   | J 7         | 7           | 5       | C 2         | 2           |
|         |             |             |         |             |             | 17AF3   | J 6         | 6           | 123678  | A 9         | 9           | 17CK3   | J 9         | 9           | 13678   | A 2         | 2           |

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15EW7-17CK3

| TUBE    | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE     | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|------------------|-------------|---------|-------------|-------------|----------|------------------|-------------|---------|-------------|-------------|---------|------------------|-------------|---------|-------------|-------------|
| 17CL3   | J 9              |             | 13678   | A 2         |             | 17JB6    | J 9              |             | 679     | A 2         |             | 17W6    | J 1              |             |         | C 5         |             |
| 17CO4   | J 11             |             | 2       | A 5         |             | 17JF6    | J 9              |             | 679     | A 2         |             | 17X10*  | J 3              |             |         | B 1         |             |
| 17CT3   | J 6              |             | 12378   | A 6         |             | 17JG6    | J 9              |             | 78      | A 2         |             |         | J 3              |             |         | H 6         |             |
| 17CU5   | J 7              |             | 5       | C 2         |             | 17JK8*   | J 6              |             |         | F 7         |             | 17Y9*   | J 5              |             |         | C 8         |             |
| 17D4    | J 11             |             | 2       | A 5         |             |          | J 6              |             |         | E 2         |             |         | J 5              |             |         | D 1         |             |
| 17DE4   | J 11             |             | 2       | A 5         |             | 17JM6    | J 3              |             | 80      | A 5         |             | 17Z3    | J 6              |             | 123678  | A 9         |             |
| 17DM4   | J 11             |             | 2       | A 5         |             | 17JN6    | J 3              |             | 4       | A 1         |             | 18A5    | J 1              |             |         | A 1         |             |
| 17DO4   | J 11             |             | 2       | A 5         |             | 17JQ6*   | J 6              |             | 27      | A 8         |             | 18AJ10* | J 3              |             | 4       | F 3         |             |
| 17DO6   | J 1              |             |         | A 5         |             |          | J 6              |             | 27      | G 6         |             |         | J 3              |             | 4       | B 8         |             |
| 17DW4   | J 9              |             | 13678   | A 2         |             | 17JR6    | J 9              |             | 78      | A 2         |             | 18AK5   | J 7              |             | 2       | E 1         |             |
| 17EW8*  | J 6              |             |         | E 2         |             | 17JS6    | J 3              |             | 1790    | A 5         |             | 18AQ5   | J 7              |             | 7       | C 1         |             |
|         | J 6              |             |         | E 7         |             | 17JT6    | J 9              |             | 78      | A 2         |             | 18DZ8*  | J 6              |             |         | C 1         |             |
| 17FY7   | J 3              |             | 8       | C 3         |             | 17JZ8*   | J 3              |             | 6       | C 7         |             |         | J 6              |             |         | F 3         |             |
|         | J 3              |             | 8       | E 10        |             |          | J 3              |             | 6       | F 10        |             | 18FW6   | J 7              |             |         | D 1         |             |
| 17GE5   | J 3              |             | 156890  | A 3         |             | 17KV6    | J 9              |             | 78      | A 2         |             | 18FX6   | J 7              |             |         | E 1         |             |
| 17GJ5   | J 9              |             | 679     | A 2         |             | 17KW6    | J 10             |             | 8       | B 1         |             | 18FY6*  | J 7              |             |         | F 1         |             |
| 17GT5   | J 9              |             | 67      | A 2         |             | 17L6     | J 1              |             |         | C 5         |             |         | J 7              |             |         | G 5         |             |
| 17GV5   | J 3              |             | 1457    | A 9         |             | 17LD8*   | J 9              |             |         | C 2         |             |         | J 7              |             |         | G 6         |             |
| 17GW6   | J 1              |             |         | A 5         |             |          | J 9              |             |         | G 9         |             | 18GB5   | J 10             |             | 236     | A 1         |             |
| 17GY5   | J 3              |             | 1457    | A 9         |             | 17N8*    | J 6              |             |         | F 2         |             | 18GD6   | J 7              |             |         | D 1         |             |
| 17H3    | J 6              |             | 8       | A 3         |             |          | J 6              |             |         | G 7         |             | 18GE6*  | J 7              |             |         | F 1         |             |
| 17H-B25 | J 10             |             | 136     | A 2         |             |          | J 6              |             |         | G 8         |             |         | J 7              |             |         | G 5         |             |
| 17HC8*  | J 6              |             |         | C 3         |             | 17R5     | J 7              |             | 5       | C 2         |             |         | J 7              |             |         | G 6         |             |
|         | J 6              |             |         | F 1         |             | 17R-HH2* | J 6              |             |         | E 2         |             | 18GV5   | J 3              |             | 1457    | A 9         |             |
| 17HG8*  | J 6              |             | 3       | D 2         |             |          | J 6              |             |         | E 7         |             | 18GV8*  | J 6              |             |         | C 9         |             |
|         | J 6              |             | 3       | D 6         |             | 17R-K19  | J 6              |             | 123678  | A 9         |             |         | J 6              |             |         | E 2         |             |

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| TUBE     | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|----------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 18HB8*   | J 6         |             |         | C 9         |             | 19DC8* | J 6         |             |         | E 2         |             | 19HV8* | J 6         |             |         | D 9         |             |
|          | J 6         |             |         | F 1         |             |        | J 6         |             |         | G 7         |             |        | J 6         |             |         | F 1         |             |
| 18J6*    | J 7         |             |         | E 5         |             |        | J 6         |             |         | G 8         |             | 19J6*  | J 7         |             |         | E 5         |             |
|          | J 7         |             |         | E 6         |             | 19DE3  | J 3         |             | 4       | A 10        |             |        | J 7         |             |         | E 6         |             |
| 18R-AL1* | J 6         |             | 3       | C 2         |             | 19DE7* | J 6         |             | 3       | C 2         |             | 19JC6  | J 6         |             | 1       | D 2         |             |
|          | J 6         |             | 3       | F 7         |             |        | J 6         |             | 3       | E 7         |             | 19JN8* | J 6         |             |         | D 9         |             |
| 19A3     | J 7         |             | 26      | D 5         |             | 19DK3  | J 9         |             | 3678    | A 2         |             |        | J 6         |             |         | D 1         |             |
| 19AJ8*   | J 6         |             |         | E 2         |             | 19DN6  | J 1         |             |         | A 5         |             | 19KF6  | J 10        |             | 1       | A 7         |             |
|          | J 6         |             |         | F 9         |             | 19DQ3  | J 3         |             | 245689  | A 10        |             | 19KG8* | J 6         |             |         | E 2         |             |
| 19AQ5    | J 7         |             | 7       | C 1         |             | 19EA8* | J 6         |             |         | D 2         |             |        | J 6         |             |         | D 9         |             |
| 19AU4    | J 11        |             | 2       | A 5         |             |        | J 6         |             |         | D 9         |             | 19MR9  | J 7         |             |         | F 1         |             |
| 19BG6    | J 1         |             |         | A 5         |             | 19EW7* | J 6         |             | 3       | C 7         |             | 19Q9*  | J 6         |             |         | D 1         |             |
| 19BX6    | J 6         |             |         | D 2         |             |        | J 6         |             | 3       | F 2         |             |        | J 6         |             |         | D 8         |             |
| 19BY7    | J 6         |             |         | D 2         |             | 19EZ8* | J 6         |             |         | E 2         |             | 19T8*  | J 6         |             |         | F 8         |             |
| 19C8*    | J 6         |             |         | F 8         |             |        | J 6         |             |         | E 7         |             |        | J 6         |             |         | G 6         |             |
|          | J 6         |             |         | G 6         |             |        | J 6         |             |         | E 9         |             |        | J 6         |             |         | G 2         |             |
|          | J 6         |             |         | G 2         |             | 19FL8* | J 6         |             |         | E 2         |             |        | J 6         |             |         | G 1         |             |
| 19CG3    | J 3         |             | 245689  | A 10        |             |        | J 6         |             |         | G 7         |             | 19U3   | J 6         |             | 12678   | A 9         |             |
| 19CL8*   | J 6         |             |         | D 1         |             | 19FX5  | J 7         |             | 5       | C 2         |             | 19V8*  | J 6         |             |         | F 6         |             |
|          | J 6         |             |         | D 9         |             | 19GQ7* | J 6         |             | 3       | E 2         |             |        | J 6         |             |         | G 9         |             |
| 19CS4    | J 11        |             |         | A 5         |             |        | J 6         |             | 3       | E 6         |             |        | J 6         |             |         | G 7         |             |
| 19D8*    | J 6         |             |         | E 2         |             |        | J 6         |             | 3       | E 8         |             | 19W3   | J 6         |             | 12678   | A 9         |             |
|          | J 6         |             |         | F 9         |             | 19GY5  | J 3         |             | 1457    | A 9         |             | 19X3   | J 6         |             | 12678   | A 9         |             |
|          |             |             |         |             |             | 19HR6  | J 7         |             |         | D 1         |             | 19X8*  | J 6         |             |         | E 2         |             |
|          |             |             |         |             |             | 19HS6  | J 7         |             |         | E 1         |             |        | J 6         |             |         | E 7         |             |

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| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|--------|-------------|---------|-------------|-------------|---------|--------|-------------|---------|-------------|-------------|---------|--------|-------------|
| 19Y3   | J 6         | 6           | 12678   | A      | 9           | 22AL3   | K 6         | 6           | 123678  | A      | 9           | 25AU4   | K 11        | 11          | 2       | A      | 5           |
| 20AQ3  | J 6         | 6           | 123678  | A      | 9           | 22BH3   | K 9         | 9           | 13678   | A      | 2           | 25AV5   | K 1         | 1           |         | A      | 1           |
| 20D1*  | G 7         | 7           |         | E      | 2           | 22BW3   | K 3         | 3           | 0       | A      | 4           | 25AX4   | K 11        | 11          | 2       | A      | 5           |
|        | G 7         | 7           |         | E      | 7           | 22DE4   | K 11        | 11          | 2       | A      | 5           | 25B6    | K 1         | 1           |         | C      | 5           |
| 20EQ7* | J 6         | 6           |         | E      | 2           | 22JF6   | K 9         | 9           | 679     | A      | 2           | 25B8*   | K 1         | 1           |         | E      | 10          |
|        | J 6         | 6           |         | G      | 8           | 22JG6   | K 9         | 9           | 78      | A      | 2           |         | K 1         | 1           |         | F      | 8           |
| 20EV7* | J 6         | 6           | 3       | C      | 7           | 22JR6   | K 9         | 9           | 78      | A      | 2           | 25B-B14 | K 10        | 10          | 236     | A      | 1           |
|        | J 6         | 6           | 3       | F      | 2           | 22JU6   | K 9         | 9           | 679     | A      | 2           | 25BK5   | K 6         | 6           | 7       | C      | 3           |
| 20LF6  | J 3         | 3           | 349     | A      | 5           | 22KM6   | K 9         | 9           | 679     | A      | 2           | 25BQ6   | K 1         | 1           |         | A      | 5           |
| 21A6   | K 6         | 6           |         | C      | 2           | 22KV6   | K 9         | 9           | 78      | A      | 2           | 25BR3   | K 6         | 6           | 123678  | A      | 9           |
| 21AK6  | K 7         | 7           |         | D      | 1           | 23JS6   | K 3         | 3           | 1790    | A      | 5           | 25C5    | K 7         | 7           | 5       | C      | 2           |
| 21EX6  | K 1         | 1           |         | A      | 5           | 23MB6   | K 3         | 3           | 1790    | A      | 5           | 25C6    | K 1         | 1           |         | C      | 5           |
| 21GY5  | K 3         | 3           | 1457    | A      | 9           | 23Z9*   | J 3         | 3           | 6       | E      | 3           | 25CA5   | K 7         | 7           | 5       | C      | 2           |
| 21HB5  | K 3         | 3           | 356890  | A      | 1           |         | J 3         | 3           | 6       | E      | 10          | 25CD6   | K 1         | 1           |         | A      | 5           |
| 21HD5  | K 3         | 3           | 145689  | A      | 3           |         | J 3         | 3           | 6       | C      | 8           | 25CG3   | K 3         | 3           | 245689  | A      | 10          |
| 21HJ5  | K 3         | 3           | 16890   | A      | 3           | 24BF11* | K 3         | 3           |         | D      | 3           | 25CK3   | K 9         | 9           | 13678   | A      | 2           |
| 21JS6  | K 3         | 3           | 1790    | A      | 5           |         | K 3         | 3           |         | C      | 8           | 25CM3   | K 9         | 9           | 12368   | A      | 7           |
| 21JV6  | K 3         | 3           | 4       | A      | 1           | 24JE6   | K 9         | 9           | 679     | A      | 2           | 25CT3   | K 6         | 6           | 12378   | A      | 6           |
| 21JZ6  | J 3         | 3           | 190     | A      | 5           | 24JZ8*  | K 3         | 3           | 7       | C      | 6           | 25CU6   | K 1         | 1           |         | A      | 5           |
| 21KA6  | K 3         | 3           | 179     | A      | 5           |         | K 3         | 3           | 7       | F      | 10          | 25D4    | K 11        | 11          | 2       | A      | 5           |
| 21KQ6  | K 9         | 9           | 678     | A      | 1           | 24LO6   | K 9         | 9           | 679     | A      | 2           | 25D8*   | K 1         | 1           |         | E      | 10          |
| 21LG6  | K 3         | 3           | 23790   | A      | 5           | 24LZ6   | K 9         | 9           | 679     | A      | 2           |         | K 1         | 1           |         | G      | 8           |
| 21LR8* | K 9         | 9           |         | C      | 2           | 25A6    | K 1         | 1           |         | C      | 5           |         | K 1         | 1           |         | G      | 5           |
|        | K 9         | 9           |         | D      | 9           | 25A7*   | K 1         | 1           |         | B      | 6           | 25DK3   | K 9         | 9           | 3678    | A      | 2           |
| 21LU8* | K 3         | 3           | 7       | B      | 6           |         | K 1         | 1           |         | C      | 5           | 25DK4   | K 7         | 7           | 6       | B      | 5           |
|        | K 3         | 3           | 7       | E      | 10          | 25AC5   | K 1         | 1           |         | F      | 5           | 25DL3   | K 9         | 9           | 136789  | A      | 2           |

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| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|------------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|
| 25DN6   | K 1         |             |            | A 5         |             | 25Z6*  | K 1         |             |         | B 3         |             | 28AK8*  | K 6         |             |         | F 8         |             |
| 25DQ3   | K 3         |             | 245689     | A 10        |             |        | K 1         |             |         | B 5         |             |         | K 6         |             |         | G 6         |             |
| 25DQ6   | K 1         |             |            | A 5         |             | 26A6   | K 7         |             |         | D 1         |             |         | K 6         |             |         | G 2         |             |
| 25DT5   | K 6         |             | 68         | C 3         |             | 26AQ8* | K 6         |             |         | D 2         |             |         | K 6         |             |         | G 1         |             |
| 25E5    | K 1         |             | 13         | C 5         |             |        | K 6         |             |         | D 7         |             | 28EC4   | K 10        |             | 123679  | A 8         |             |
| 25EC6   | K 1         |             |            | A 5         |             | 26BK6* | K 7         |             |         | F 1         |             | 28GB5   | K 10        |             | 236     | A 1         |             |
| 25EH5   | K 7         |             | 5          | C 2         |             |        | K 7         |             |         | G 5         |             | 28HA6   | K 6         |             | 36      | C 2         |             |
| 25F5    | K 7         |             | 5          | C 2         |             |        | K 7         |             |         | G 6         |             | 28HD5   | K 3         |             | 14689   | A 3         |             |
| 25FY8*  | K 6         |             |            | E 3         |             | 26C6*  | K 7         |             |         | F 1         |             | 29GK6   | K 6         |             | 9       | C 2         |             |
|         | K 6         |             |            | F 1         |             |        | K 7         |             |         | G 5         |             | 29KQ6   | K 9         |             | 167     | A 8         |             |
| 25GB6   | K 1         |             |            | A 5         |             |        | K 7         |             |         | G 6         |             | 29LE6   | K 10        |             | 238     | A 1         |             |
| 25HX5   | K 10        |             | 128        | A 7         |             | 26CG6  | K 7         |             |         | E 1         |             | 30A5    | L 7         |             | 5       | C 2         |             |
| 25JQ6*  | K 6         |             | 27         | A 8         |             | 26D6   | K 7         |             |         | E 1         |             | 30AE3   | L 6         |             | 123678  | A 9         |             |
|         | K 6         |             | 27         | G 6         |             | 26DQ5  | K 1         |             |         | A 1         |             | 30AG11* | L 3         |             |         | E 5         |             |
| 25L6    | K 1         |             |            | C 5         |             | 26E6   | K 1         |             |         | C 5         |             |         | L 3         |             |         | E 8         |             |
| 25M-P20 | K 7         |             |            | C 1         |             | 26HU5  | K 11        |             |         | A 5         |             |         | L 3         |             |         | F 3         |             |
| 25R-K19 | K 6         |             | 123678     | A 9         |             | 26JG6  | K 9         |             |         | A 2         |             |         | L 3         |             |         | F 10        |             |
| 25SN7*  | K 11        |             | OK OVER 50 | E 1         |             | 26LW6  | K 11        |             |         | A 5         |             | 30C1*   | L 6         |             |         | D 2         |             |
|         | K 11        |             | OK OVER 50 | E 4         |             | 26LX6  | K 3         |             |         | A 5         |             |         | L 6         |             |         | D 9         |             |
| 25U4    | K 11        |             | 2          | A 5         |             | 26Z5*  | K 6         |             |         | B 1         |             | 30CW5   | L 6         |             | 168     | C 2         |             |
| 25W4    | K 11        |             | 2          | A 5         |             |        | K 6         |             |         | B 6         |             | 30HD5   | L 3         |             | 14568   | A 3         |             |
| 25W6    | K 1         |             |            | C 5         |             | 27GB5  | K 10        |             |         | A 1         |             | 30HJ5   | L 3         |             | 16890   | A 3         |             |
| 25X6*   | K 1         |             |            | B 3         |             | 27KG6  | K 10        |             |         | A 8         |             | 30JZ6   | L 3         |             | 190     | A 5         |             |
|         | K 1         |             |            | B 5         |             |        |             |             |         |             |             | 30KD6   | L 3         |             | 1790    | A 5         |             |
| 25Z4    | K 1         |             |            | B 5         |             |        |             |             |         |             |             | 30KG6   | L 10        |             | 678     | A 1         |             |

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25DN6-30KG6

| TUBE    | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT  | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|---------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|----------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|
| 30L1*   | L           | 6           |         | E           | 2           | 33JV6  | L           | 3           | 4        | A           | 1           | 38A3   | L           | 6           | 12678   | A           | 9           |
|         | L           | 6           |         | E           | 6           | 34CD3  | L           | 3           | 45689    | A           | 10          | 38HE7* | L           | 3           | 70      | A           | 2           |
| 30MB6   | L           | 3           | 1790    | A           | 5           | 34CE3  | L           | 3           | 12356890 | A           | 4           |        | L           | 3           | 70      | A           | 9           |
| 30MP23  | L           | 7           | 5       | C           | 2           | 34CM3  | L           | 9           | 12368    | A           | 7           | 38HK7* | L           | 3           | 70      | A           | 2           |
| 30MP27  | L           | 7           | 5       | B           | 2           | 34GD5  | L           | 7           | 5        | C           | 2           |        | L           | 3           | 70      | A           | 9           |
| 30P16   | L           | 6           |         | C           | 2           | 34DK3  | L           | 9           | 3678     | A           | 2           | 40FR5  | M           | 7           | 5       | C           | 2           |
| 31AL10* | K           | 3           | 6       | F           | 1           | 34R3   | L           | 6           | 123678   | A           | 9           | 40KD6  | M           | 3           | 1790    | A           | 5           |
|         | K           | 3           | 6       | F           | 3           | 35B5   | L           | 7           | 7        | C           | 1           | 40KG6  | M           | 10          | 167     | A           | 8           |
|         | K           | 3           | 6       | A           | 8           | 35C5   | L           | 7           | 5        | C           | 2           | 40Z5   | M           | 1           | 3       | B           | 5           |
| 31JS6   | L           | 3           | 1790    | A           | 5           | 35CD6  | L           | 1           |          | A           | 5           | 42EC4  | M           | 10          | 123679  | A           | 8           |
| 31LQ6   | L           | 9           | 679     | A           | 2           | 35DZ8* | L           | 6           |          | C           | 3           | 42KN6  | M           | 3           | 1790    | A           | 5           |
| 31LR8*  | L           | 9           |         | C           | 2           |        | L           | 6           |          | F           | 1           | 45B5   | M           | 6           | 168     | C           | 2           |
|         | L           | 9           |         | D           | 9           | 35EH5  | L           | 7           | 5        | C           | 2           | 45Z5   | M           | 1           | 3       | B           | 5           |
| 31LZ6   | L           | 9           | 679     | A           | 2           | 35GL6  | L           | 7           | 6        | C           | 2           | 50AX6* | M           | 1           |         | A           | 3           |
| 32ET5   | L           | 7           | 5       | C           | 2           | 35HB8* | L           | 6           |          | C           | 9           |        | M           | 1           |         | A           | 5           |
| 32HQ7*  | L           | 3           | 3670    | A           | 1           |        | L           | 6           |          | F           | 1           | 50B5   | M           | 7           | 7       | C           | 1           |
|         | L           | 3           | 3670    | A           | 2           | 35L6   | L           | 1           |          | C           | 5           | 50BK5  | M           | 6           | 7       | C           | 3           |
| 32L7*   | L           | 1           |         | A           | 6           | 35LR6  | L           | 3           | 167890   | A           | 5           | 50BM8* | M           | 6           |         | C           | 3           |
|         | L           | 1           |         | C           | 5           | 35W4   | L           | 7           | 6        | A           | 5           |        | M           | 6           |         | F           | 1           |
| 33GT7*  | L           | 3           | 79      | A           | 2           | 35Z4   | L           | 1           |          | B           | 5           | 50C5   | M           | 7           | 5       | C           | 2           |
|         | L           | 3           | 79      | A           | 1           | 35Z5   | L           | 1           | 3        | B           | 5           | 50C6   | M           | 1           |         | C           | 5           |
| 33GY7*  | L           | 3           | 70      | A           | 2           | 35Z6*  | L           | 1           |          | B           | 3           | 50CA5  | M           | 7           | 5       | C           | 2           |
|         | L           | 3           | 70      | A           | 9           |        | L           | 1           |          | B           | 5           | 50CD6  | M           | 1           |         | A           | 5           |
| 33HE7*  | L           | 3           | 670     | A           | 2           | 36AM3  | L           | 7           | 6        | A           | 5           | 50DC4  | M           | 7           | 6       | A           | 5           |
|         | L           | 3           | 670     | A           | 9           | 36KD6  | L           | 3           | 1790     | A           | 5           | 50E5   | M           | 1           | 13      | C           | 5           |
| 33JR6   | L           | 9           | 78      | A           | 2           | 36MC6  | L           | 9           | 679      | A           | 2           | 50EH5  | M           | 7           | 5       | C           | 2           |

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| TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT  | L<br>O<br>D | S<br>E<br>L |
|--------|-------------|-------------|---------|-------------|-------------|--------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|----------|-------------|-------------|
| 50FA5  | M 7         | 7           | 5       | C 2         | 2           | 58HE7* | M 3         | 3           | 70      | A 2         | 2           | 1852  | D 1         | 1           |          | D 4         | 4           |
| 50FE5  | M 1         | 1           |         | C 5         | 5           |        | M 3         | 3           | 70      | A 9         | 9           | 1853  | D 1         | 1           |          | D 4         | 4           |
| 50FK5  | M 7         | 7           | 5       | C 2         | 2           | 60EH5  | M 7         | 7           | 5       | D 2         | 2           | 5591  | D 7         | 7           | 2        | E 1         | 1           |
| 50FY8* | M 6         | 6           |         | E 3         | 3           | 60FX5  | M 7         | 7           | 5       | D 2         | 2           | 5642  | A 3         | 3           | SEE NOTE | H 10        | 10          |
|        | M 6         | 6           |         | F 1         | 1           | 60HL5  | M 6         | 6           | 1       | A 2         | 2           | 5649  | H 1         | 1           |          | C 5         | 5           |
| 50GY7* | M 3         | 3           | 70      | A 2         | 2           | 64SPT  | D 6         | 6           | 1       | D 2         | 2           | 5654  | D 7         | 7           | 2        | D 1         | 1           |
|        | M 3         | 3           | 70      | A 9         | 9           | 213PEN | J 6         | 6           |         | C 2         | 2           | 5659  | H 1         | 1           |          | C 5         | 5           |
| 50HC6  | M 7         | 7           | 6       | C 2         | 2           | 403B   | D 7         | 7           | 2       | E 1         | 1           | 5661  | H 1         | 1           |          | D 4         | 4           |
| 50HK6  | M 7         | 7           | 6       | C 2         | 2           | 408A   | J 7         | 7           | 2       | E 1         | 1           | 5686  | D 6         | 6           | 389      | C 2         | 2           |
| 50HN5  | M 6         | 6           | 168     | C 2         | 2           | 1223   | D 1         | 1           |         | F 10        | 10          | 5687* | H 6         | 6           | 8        | D 2         | 2           |
| 50JY6  | M 1         | 1           |         | A 5         | 5           | 1611   | D 1         | 1           |         | B 5         | 5           |       | H 6         | 6           | 8        | D 7         | 7           |
| 50L6   | M 1         | 1           |         | C 5         | 5           | 1612   | D 1         | 1           |         | F 10        | 10          | 5691* | D 11        | 11          |          | F 1         | 1           |
| 50Y6*  | M 1         | 1           |         | B 3         | 3           | 1614   | E 1         | 1           |         | A 5         | 5           |       | D 11        | 11          |          | F 4         | 4           |
|        | M 1         | 1           |         | B 5         | 5           | 1619   | C 1         | 1           |         | A 5         | 5           | 5692* | D 11        | 11          |          | E 1         | 1           |
| 50Y7*  | M 1         | 1           | 6       | A 3         | 3           | 1620   | D 1         | 1           |         | F 10        | 10          |       | D 11        | 11          |          | E 4         | 4           |
|        | M 1         | 1           | 6       | A 5         | 5           | 1621   | D 1         | 1           |         | C 5         | 5           | 5693  | D 1         | 1           |          | F 4         | 4           |
| 50Z6*  | M 1         | 1           |         | A 3         | 3           | 1622   | E 1         | 1           |         | C 5         | 5           | 5696  | D 7         | 7           | 5        | J 1         | 1           |
|        | M 1         | 1           |         | A 5         | 5           | 1626   | H 1         | 1           | 1       | E 5         | 5           | 5725  | D 7         | 7           |          | E 1         | 1           |
| 50Z7*  | M 1         | 1           | 6       | A 3         | 3           | 1631   | H 1         | 1           |         | C 5         | 5           | 5726* | D 7         | 7           |          | E 2         | 2           |
|        | M 1         | 1           | 6       | A 5         | 5           | 1632   | H 1         | 1           |         | C 5         | 5           |       | D 7         | 7           |          | E 7         | 7           |
| 53HK7* | M 3         | 3           | 70      | A 2         | 2           | 1633*  | K 11        | 11          |         | E 1         | 1           | 5749  | D 7         | 7           |          | D 1         | 1           |
|        | M 3         | 3           | 70      | A 9         | 9           |        | K 11        | 11          |         | E 4         | 4           | 5750  | D 7         | 7           |          | D 1         | 1           |
| 53KU*  | D 11        | 11          | 9       | A 4         | 4           | 1634*  | H 11        | 11          |         | F 3         | 3           | 5751* | H 6         | 6           | 9        | F 2         | 2           |
|        | D 11        | 11          | 9       | A 6         | 6           |        | H 11        | 11          |         | F 4         | 4           |       | H 6         | 6           | 9        | F 7         | 7           |
| 55N3   | J 6         | 6           | 12678   | A 9         | 9           | 1635*  | D 1         | 1           |         | F 4         | 4           | 5755* | D 11        | 11          |          | F 1         | 1           |
|        |             |             |         |             |             |        | D 1         | 1           |         | F 5         | 5           |       | D 11        | 11          |          | F 4         | 4           |

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| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT              | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|----------------------|-------------|-------------|-------|-------------|-------------|-----------------|-------------|-------------|-------|-------------|-------------|-----------------|-------------|-------------|
| 5763  | D 6         | 6           | 8<br>OK OVER 50<br>9 | C 9         | 9           | 5965* | H 6         | 6           | 9               | E 2         | 2           | 6069  | D 7         | 7           |                 | E 1         | 1           |
| 5814* | H 6         | 6           | OK OVER 50<br>9      | E 2         | 2           |       | H 6         | 6           | 9               | E 7         | 7           | 6072* | H 6         | 6           | 9               | E 2         | 2           |
|       | H 6         | 6           |                      | E 7         | 7           | 5992  | D 1         | 1           |                 | C 5         | 5           |       | H 6         | 6           | 9               | E 7         | 7           |
| 5824  | K 1         | 1           |                      | C 5         | 5           | 5998* | E 11        | 11          |                 | C 1         | 1           | 6080* | E 11        | 11          |                 | A 1         | 1           |
| 5838* | H 1         | 1           |                      | B 3         | 3           |       | E 11        | 11          |                 | C 4         | 4           |       | E 11        | 11          |                 | A 4         | 4           |
|       | H 1         | 1           |                      | B 5         | 5           | 6000  | K 1         | 1           |                 | C 1         | 1           | 6082* | K 11        | 11          |                 | A 1         | 1           |
| 5839* | K 1         | 1           |                      | B 3         | 3           | 6005  | D 7         | 7           | 7               | C 1         | 1           |       | K 11        | 11          |                 | A 4         | 4           |
|       | K 1         | 1           |                      | B 5         | 5           | 6006  | D 1         | 1           | 3               | D 4         | 4           | 6084  | D 6         | 6           |                 | G 9         | 9           |
| 5844* | D 7         | 7           |                      | G 5         | 5           | 6028  | J 7         | 7           | 2               | E 1         | 1           | 6085* | H 6         | 6           | 9               | E 2         | 2           |
|       | D 7         | 7           |                      | G 6         | 6           | 6042* | D 11        | 11          |                 | E 1         | 1           |       | H 6         | 6           | 9               | E 7         | 7           |
| 5852* | E 1         | 1           |                      | B 3         | 3           | 6045* | D 11        | 11          |                 | E 4         | 4           | 6087* | D 11        | 11          | 9               | B 4         | 4           |
|       | E 1         | 1           |                      | B 5         | 5           |       | D 7         | 7           |                 | E 5         | 5           |       | D 11        | 11          | 9               | B 6         | 6           |
| 5871  | D 1         | 1           |                      | B 5         | 5           |       | D 7         | 7           |                 | E 6         | 6           | 6096  | D 7         | 7           | 2               | E 1         | 1           |
| 5879  | D 6         | 6           |                      | F 1         | 1           | 6046  | K 1         | 1           |                 | C 5         | 5           | 6097* | D 7         | 7           |                 | E 2         | 2           |
| 5881  | E 1         | 1           |                      | C 5         | 5           | 6057* | H 6         | 6           | 9               | G 2         | 2           |       | D 7         | 7           |                 | E 7         | 7           |
| 5915  | D 7         | 7           |                      | E 1         | 1           |       | H 6         | 6           | 9               | G 7         | 7           | 6100  | D 7         | 7           | 12              | E 6         | 6           |
| 5920* | D 7         | 7           |                      | E 5         | 5           | 6058* | D 7         | 7           |                 | E 2         | 2           | 6101* | D 7         | 7           |                 | E 5         | 5           |
|       | D 7         | 7           |                      | E 6         | 6           |       | D 7         | 7           |                 | E 7         | 7           |       | D 7         | 7           |                 | E 6         | 6           |
| 5931* | D 11        | 11          | OK OVER 50<br>9      | A 4         | 4           | 6060* | H 6         | 6           | 9               | E 2         | 2           | 6106* | D 11        | 11          | OK OVER 50<br>9 | B 4         | 4           |
|       | D 11        | 11          | OK OVER 50<br>9      | A 6         | 6           |       | H 6         | 6           | 9               | E 7         | 7           |       | D 11        | 11          | OK OVER 50<br>9 | B 6         | 6           |
| 5932  | E 1         | 1           |                      | C 5         | 5           | 6062  | D 6         | 6           | 8               | C 9         | 9           | 6113* | D 11        | 11          |                 | F 1         | 1           |
| 5961  | D 1         | 1           |                      | D 5         | 5           | 6066* | D 7         | 7           |                 | F 1         | 1           |       | D 11        | 11          |                 | F 4         | 4           |
| 5963* | H 6         | 6           | 9                    | E 2         | 2           |       | D 7         | 7           |                 | G 5         | 5           | 6134  | D 1         | 1           |                 | D 4         | 4           |
|       | H 6         | 6           | 9                    | E 7         | 7           |       | D 7         | 7           |                 | G 6         | 6           | 6135  | D 7         | 7           | 12              | E 6         | 6           |
| 5964* | D 7         | 7           |                      | E 5         | 5           | 6067* | H 6         | 6           | OK OVER 50<br>9 | D 2         | 2           | 6136  | D 7         | 7           |                 | D 1         | 1           |
|       | D 7         | 7           |                      | E 6         | 6           |       | H 6         | 6           | OK OVER 50<br>9 | D 7         | 7           | 6137  | D 1         | 1           |                 | D 4         | 4           |

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| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT         | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|-----------------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|-----------------|-------------|-------------|
| 6146  | E 1         |             | 14              | C 5         |             | 6267  | D 6         |             | 2       | F 9         |             | 6677  | D 6         |             | 89              | C 2         |             |
| 6159  | K 1         |             | 14              | C 5         |             | 6293  | E 1         |             | 14      | A 5         |             | 6678* | D 6         |             |                 | D 2         |             |
| 6180* | D 11        |             |                 | E 1         |             | 6336* | E 11        |             |         | C 1         |             |       | D 6         |             |                 | D 9         |             |
|       | D 11        |             |                 | E 4         |             |       | E 11        |             |         | C 4         |             | 6679* | H 6         |             | 9               | E 2         |             |
| 6186  | D 7         |             | 2               | E 1         |             | 6350* | H 6         |             | 9       | E 3         |             |       | H 6         |             | 9               | E 7         |             |
| 6187  | D 7         |             |                 | E 1         |             |       | H 6         |             | 9       | E 8         |             | 6680* | H 6         |             | OK OVER 50<br>9 | D 2         |             |
| 6188* | D 11        |             |                 | F 1         |             | 6360* | H 6         |             | 9       | C 1         |             |       | H 6         |             | OK OVER 50<br>9 | D 7         |             |
|       | D 11        |             |                 | F 4         |             |       | H 6         |             | 9       | C 3         |             | 6681* | H 6         |             | 9               | F 2         |             |
| 6189* | H 6         |             | OK OVER 50<br>9 | D 2         |             | 6414* | H 6         |             | 9       | D 2         |             |       | H 6         |             | 9               | F 7         |             |
|       | H 6         |             | OK OVER 50<br>9 | D 7         |             |       | H 6         |             | 9       | D 7         |             | 6686  | D 6         |             | 1               | C 2         |             |
| 6197  | D 6         |             | 89              | C 2         |             | 6417  | H 6         |             | 8       | A 9         |             | 6687  | D 7         |             |                 | F 1         |             |
| 6198* | H 6         |             | 9               | D 2         |             | 6463* | H 6         |             | 9       | E 3         |             | 6688  | D 6         |             | 16              | D 2         |             |
|       | H 6         |             | 9               | D 7         |             |       | H 6         |             | 9       | E 8         |             | 6689  | E 6         |             | 78              | E 2         |             |
| 6201* | H 6         |             | 9               | E 2         |             | 6485  | D 7         |             |         | E 1         |             | 6829* | H 6         |             | 9               | E 2         |             |
|       | H 6         |             | 9               | E 7         |             | 6516  | D 7         |             |         | C 1         |             |       | H 6         |             | 9               | E 7         |             |
| 6202* | D 7         |             |                 | B 1         |             | 6520* | E 11        |             |         | A 1         |             | 6883  | H 1         |             | 14              | C 5         |             |
|       | D 7         |             |                 | B 6         |             |       | E 11        |             |         | A 4         |             | 6887* | D 7         |             |                 | E 2         |             |
| 6203* | E 6         |             |                 | B 1         |             | 6550  | E 1         |             |         | A 5         |             |       | D 7         |             |                 | E 7         |             |
|       | E 6         |             |                 | B 9         |             | 6660  | D 7         |             |         | D 1         |             | 6888  | E 1         |             |                 | C 4         |             |
| 6211* | H 6         |             | 9               | F 2         |             | 6661  | D 7         |             |         | E 1         |             | 6900* | H 6         |             | 8               | D 2         |             |
|       | H 6         |             | 9               | F 7         |             | 6662  | D 7         |             |         | E 1         |             |       | H 6         |             | 8               | D 7         |             |
| 6215  | A 1         |             | 134568          | H 10        |             | 6663* | D 7         |             |         | E 2         |             | 6919* | D 7         |             |                 | E 2         |             |
| 6216  | E 6         |             | 68              | C 2         |             |       | D 7         |             |         | E 7         |             |       | D 7         |             |                 | E 7         |             |
| 6218  | D 6         |             | 8               | H 2         |             | 6664  | D 7         |             |         | E 6         |             | 6922* | D 6         |             |                 | E 2         |             |
| 6227  | D 6         |             | 16              | C 2         |             | 6669  | D 7         |             | 7       | C 1         |             |       | D 6         |             |                 | E 7         |             |
| 6265  | D 7         |             |                 | E 1         |             | 6676  | D 7         |             |         | D 1         |             |       |             |             |                 |             |             |

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| TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT    | L<br>O<br>D | S<br>E<br>L | TUBE  | H<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-------------|-------------|---------|-------------|-------------|-------|-------------|-------------|------------|-------------|-------------|-------|-------------|-------------|---------|-------------|-------------|
| 6939* | H 6         | 6           | 9       | D           | 1           | 7105* | H 11        | 11          |            | C           | 1           | 7587  | D 4         | 4           |         | H           | 2           |
|       | H 6         | 6           | 9       | D           | 3           |       | H 11        | 11          |            | C           | 4           | 7591  | E 1         | 1           | 4       | C           | 6           |
| 6968  | D 7         | 2           | 2       | E           | 1           | 7119* | H 6         | 6           | 8          | D           | 2           | 7607  | E 1         | 1           | 14      | C           | 5           |
| 6973  | D 6         | 16          |         | C           | 3           |       | H 6         | 6           | 8          | D           | 7           | 7643  | D 6         | 6           |         | D           | 2           |
| 7000  | D 1         |             |         | F           | 10          | 7167  | H 7         | 7           |            | E           | 1           | 7687* | D 6         | 6           |         | E           | 2           |
| 7025* | H 6         | 9           | 9       | G           | 2           | 7189  | E 6         | 6           | 168        | C           | 2           |       | D 6         | 6           |         | F           | 9           |
|       | H 6         | 9           | 9       | G           | 7           | 7199* | D 6         | 6           |            | D           | 7           | 7693  | D 7         | 7           |         | E           | 1           |
| 7027  | E 1         | 46          |         | C           | 5           |       | D 6         | 6           |            | E           | 9           | 7694  | D 7         | 7           |         | D           | 1           |
| 7036  | D 7         |             |         | D           | 1           | 7233  | E 6         | 6           | 3679       | A           | 2           | 7695  | M 6         | 6           | 3       | A           | 6           |
| 7044* | H 6         | 8           | 8       | C           | 2           | 7247* | H 6         | 6           | 9          | D           | 2           | 7701  | H 6         | 6           | 13      | C           | 2           |
|       | H 6         | 8           | 8       | C           | 7           |       | H 6         | 6           | 9          | G           | 7           | 7716* | H 6         | 6           |         | D           | 7           |
| 7054  | H 6         | 9           | 9       | C           | 2           | 7258* | H 6         | 6           |            | D           | 2           |       | H 6         | 6           |         | F           | 2           |
| 7055* | H 7         |             |         | E           | 2           |       | H 6         | 6           |            | D           | 8           | 7719  | H 6         | 6           | 6789    | F           | 2           |
|       | H 7         |             |         | E           | 7           | 7308* | D 6         | 6           |            | E           | 2           | 7721  | D 6         | 6           | 16      | D           | 9           |
| 7056  | H 7         |             |         | E           | 1           |       | D 6         | 6           |            | E           | 7           | 7722  | D 6         | 6           | 16      | C           | 2           |
| 7057* | H 6         |             |         | E           | 2           | 7320  | D 6         | 6           | 168        | C           | 2           | 7724* | H 6         | 6           |         | F           | 2           |
|       | H 6         |             |         | E           | 7           | 7355  | E 1         | 1           |            | C           | 6           |       | H 6         | 6           |         | G           | 6           |
| 7058* | H 6         |             |         | F           | 2           | 7360  | D 6         | 6           |            | E           | 3           |       | H 6         | 6           |         | G           | 8           |
|       | H 6         |             |         | F           | 7           | 7370* | M 6         | 6           | OK OVER 50 | D           | 2           | 7728* | H 6         | 6           | 9       | E           | 2           |
| 7059* | H 6         |             |         | D           | 2           |       | M 6         | 6           | OK OVER 50 | D           | 7           |       | H 6         | 6           | 9       | E           | 7           |
|       | H 6         |             |         | D           | 9           | 7408  | E 1         | 1           |            | B           | 5           | 7729* | H 6         | 6           | 9       | F           | 2           |
| 7060* | H 6         |             |         | D           | 2           | 7543  | D 7         | 7           |            | D           | 1           |       | H 6         | 6           | 9       | F           | 7           |
|       | H 6         |             |         | D           | 8           | 7551  | H 6         | 6           | 89         | C           | 2           | 7730* | H 6         | 6           | 9       | D           | 2           |
| 7061  | H 6         | 16          |         | C           | 3           |       | E 6         | 6           | 18         | C           | 2           |       | H 6         | 6           | 9       | D           | 7           |
| 7062* | H 6         | 9           | 9       | E           | 2           | 7581  | E 1         | 1           |            | C           | 5           | 7731* | D 6         | 6           |         | D           | 2           |
|       | H 6         | 9           | 9       | E           | 7           | 7586  | D 4         | 4           |            | H           | 2           |       | D 6         | 6           |         | D           | 9           |



| TUBE  | H<br>I<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE     | H<br>I<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L | TUBE   | H<br>I<br>T<br>T<br>R | S<br>K<br>T | LOCKOUT | L<br>O<br>D | S<br>E<br>L |
|-------|-----------------------|-------------|---------|-------------|-------------|----------|-----------------------|-------------|---------|-------------|-------------|--------|-----------------------|-------------|---------|-------------|-------------|
| 7732  | D                     | 7           |         | D           | 1           | 8425     | D                     | 7           |         | D           | 1           | U2M70* | D                     | 7           |         | B           | 1           |
| 7733  | H                     | 6           | 69      | C           | 2           | 8458*    | H                     | 9           | 9       | D           | 1           |        | D                     | 7           |         | B           | 6           |
| 7738  | D                     | 7           | 16      | D           | 2           |          | H                     | 9           | 9       | D           | 3           | UAA91* | J                     | 7           |         | E           | 2           |
| 7754  | E                     | 6           | 348     | A           | 6           | 8552     | H                     | 1           | 14      | C           | 5           |        | J                     | 7           |         | E           | 7           |
| 7788  | D                     | 6           | 39      | C           | 2           | 8908     | E                     | 11          | 12      | A           | 5           | UCC84* | K                     | 6           |         | E           | 2           |
| 7867  | E                     | 1           |         | C           | 5           | 9001     | D                     | 7           | 2       | F           | 1           |        | K                     | 6           |         | E           | 6           |
| 7868  | E                     | 9           | 678     | A           | 2           | 9002     | D                     | 7           | 57      | E           | 6           | UCF80* | K                     | 6           |         | D           | 2           |
| 7892* | H                     | 6           | 8       | E           | 2           | 9003     | D                     | 7           | 2       | E           | 1           |        | K                     | 6           |         | D           | 9           |
|       | H                     | 6           | 8       | E           | 7           | 9006     | D                     | 7           | 57      | F           | 1           | UF86   | H                     | 6           |         | F           | 9           |
| 7895  | D                     | 4           |         | H           | 2           | DH107*   | J                     | 7           |         | F           | 1           | UY82   | J                     | 6           | 12678   | A           | 9           |
| 7898* | H                     | 6           | 9       | E           | 2           |          | J                     | 7           |         | G           | 5           | VT104* | H                     | 11          |         | F           | 2           |
|       | H                     | 6           | 9       | E           | 7           |          | J                     | 7           |         | G           | 6           |        | H                     | 11          |         | G           | 4           |
| 7984  | H                     | 3           | 123468  | C           | 10          | EAF801*  | D                     | 6           |         | E           | 2           |        | H                     | 11          |         | G           | 5           |
| 8016  | A                     | 1           | 134568  | H           | 10          |          | D                     | 6           |         | G           | 8           | X79*   | D                     | 6           |         | E           | 2           |
| 8032  | H                     | 1           | 14      | C           | 5           | ECH91*   | D                     | 6           |         | E           | 2           |        | D                     | 6           |         | E           | 7           |
| 8056  | D                     | 4           |         | H           | 2           |          | D                     | 6           |         | E           | 9           | X107   | J                     | 7           |         | D           | 1           |
| 8102* | H                     | 6           |         | E           | 3           | ECLL800* | E                     | 6           |         | H           | 1           | XL500  | H                     | 10          | 236     | A           | 1           |
|       | H                     | 6           |         | E           | 9           |          | E                     | 6           |         | D           | 2           |        |                       |             |         |             |             |
| 8106  | H                     | 6           | 689     | D           | 7           |          | E                     | 6           |         | D           | 6           |        |                       |             |         |             |             |
| 8113  | D                     | 7           |         | D           | 1           | EF806S   | D                     | 6           | 2       | F           | 9           |        |                       |             |         |             |             |
| 8136  | D                     | 7           |         | D           | 1           | EH-900S  | D                     | 7           |         | E           | 1           |        |                       |             |         |             |             |
| 8156  | H                     | 3           | 123468  | B           | 10          | EH906S   | D                     | 7           |         | E           | 1           |        |                       |             |         |             |             |
| 8233  | D                     | 10          | 67      | D           | 8           | PY32*    | K                     | 1           | 6       | A           | 3           |        |                       |             |         |             |             |
| 8278  | E                     | 9           | 68      | C           | 7           |          | K                     | 1           | 6       | A           | 5           |        |                       |             |         |             |             |
| 8327  | E                     | 6           | 168     | C           | 2           | PY83     | J                     | 6           | 123678  | A           | 9           |        |                       |             |         |             |             |
| 8417  | E                     | 1           |         | A           | 5           | QA240    | D                     | 7           | 12      | E           | 6           |        |                       |             |         |             |             |

\*See "NOTE" On Inside Front Cover

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|---------|----------|---------|----------|---------|----------|---------|----------|
| 1RK23   | 1S2      | 6L31    | 6AQ5     | 30C18   | 7GV7     | B65     | 6SN7     |
| 5A/160H | 6AM6     | 6L34    | 6AQ4     | 30P18   | 15CW5    | B139    | 7AN7     |
| 6AT7N   | 6DT8     | 6P9     | 6BM5     | 30PL12  | 16A8     | B152    | 12AT7    |
| 6C12    | 6AJ8     | 6PL12   | 6BM8     | 40SUA   | 1D5      | B309    | 12AT7    |
| 6C16    | 6BL8     | 6Q8     | 6A8      | 52KU    | 5Z4      | B319    | 7AN7     |
| 6C18    | 6GV7     | 6T1     | 6AF4     | 63T1    | 6AB8     | B329    | 12AU7    |
| 6CC31   | 6J6      | 6Z4     | 6X4      | 63TP    | 6AB8     | B339    | 12AX7    |
| 6CC43   | 6AQ8     | 7D9     | 6AM5     | 163PEN  | 16A5     | B719    | 6AQ8     |
| 6CH40   | 6AJ8     | 7D10    | 6CH6     | 171DDP  | 17C8     | BPM04   | 6AQ5     |
| 6D1     | 6DR4     | 7D11    | 6550     | A863    | 6J7      | CC81E   | 12AT7    |
| 6D2     | 6AL5     | 8D3     | 6AM6     | A1834   | 6AS7     | CCA     | 6922     |
| 6E8     | 6A8      | 8D5     | 5879     | AA91E   | 6AL5     | D2M9    | 6AL5     |
| 6F11    | 6AM6     | 8D6     | 6BX6     | ABC91   | 12A6     | D63     | 6H6      |
| 6F12    | 6AM6     | 9D6     | 6CQ6     | AR18    | 6Q7      | D77     | 6AL5     |
| 6F19    | 6BY7     | 10L14   | 26AQ8    | ARDD3   | 6H6      | D152    | 6AL5     |
| 6F21    | 6CQ6     | 10LD13  | 15BD7    | ARH1    | 6L7      | DAC32   | 1H5      |
| 6F22    | 6267     | 10P18   | 45B5     | ARP15   | 6K7      | DD6     | 6AL5     |
| 6F23    | 6EH7     | 12E13   | 6550     | ARP16   | 6J7      | DD7     | 6AM5     |
| 6F26    | 6BY7     | 13D2    | 6SN7     | ARP17   | 6F6      | DD77    | 6AL5     |
| 6F29    | 6EH7     | 16A     | 6AM5     | ARP32   | 6V6      | DDR7    | 6AM5     |
| 6F30    | 6EJ7     | 19BD    | 19X3     | ARP33   | 6V6      | DF33    | 1N5      |
| 6F32    | 6AK5     | 19SU    | 19Y3     | ARTH/1  | 6K8      | DH63    | 6Q7      |
| 6F35    | 6AJ5     | 19U3    | 19X3     | AU13    | 5Y3      | DH74    | 12Q7     |
| 6L13    | 12AX7    | 19W3    | 19X3     | AZ32    | 5Y3      | DH76    | 12Q7     |
| 6L16    | 6CW7     | 20D4    | 6AJ8     | B36     | 12SN7    | DH77    | 6AT6     |

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|---------|----------|---------|----------|---------|----------|---------|----------|
| DH710   | 6T8      | E83F    | 6889     | EEA901  | 6AL5     | EC97    | 6FY5     |
| DH719   | 6T8      | E84L    | 7320     | EEA901S | 6AL5     | EC900   | 6HA5     |
| DK32    | 1A7      | E88CC   | 6DJ8     | EABC80  | 6AK8     | ECC32   | 6SN7     |
| DL31    | 1A5      | E90C    | 5920     | EB34    | 6H6      | ECC33   | 6SN7     |
| DL33    | 3Q5      | E90CC   | 5920     | EB91    | 6AL5     | ECC35   | 6SL7     |
| DL35    | 1C5      | E90F    | 7693     | EBC3    | 6BD7     | ECC40   | 6N7      |
| DL36    | 1Q5      | E90Z    | 6X4      | EBC80   | 6BD7     | ECC81   | 12AT7    |
| DL37    | 6L6      | E91AA   | 6AL5     | EBC81   | 6BD7     | ECC82   | 12AU7    |
| DP61    | 6AK5     | E91H    | 6687     | EBC90   | 6AT6     | ECC83   | 12AX7    |
| DY30    | 1B3      | E92CC   | 6J6      | EBC91   | 6AV6     | ECC84   | 6CW7     |
| DY70    | 5642     | E95F    | 6AK5     | EBF32   | 6B8      | ECC85   | 6AQ8     |
| DY80    | 1AX2     | E99F    | 7694     | EBF80   | 6N8      | ECC86   | 6GM8     |
| DY86    | 1S2      | E180CC  | 7062     | EBF83   | 6DR8     | ECC88   | 6DJ8     |
| DY87    | 1S2      | E180F   | 6688     | EBF85   | 6DC8     | ECC89   | 6FC7     |
| DY802   | 1BQ2     | E182CC  | 7119     | EBF89   | 6DC8     | ECC91   | 6J6      |
| E55L    | 8233     | E188CC  | 7308     | EC22    | 6R4      | ECC180  | 6BQ7     |
| E80CC   | 6085     | E280F   | 7722     | EC80    | 6Q4      | ECC186  | 12AU7    |
| E80CF   | 7643     | E810F   | 7788     | EC81    | 6R4      | ECC189  | 6ES8     |
| E80F    | 6084     | E902    | 6X4      | ED86    | 6CM4     | ECC230  | 6080     |
| E80L    | 6227     | E2016   | 6CQ6     | EC88    | 6DL4     | ECC801  | 12AT7    |
| E80T    | 6218     | E2157   | 12AT7    | EC90    | 6C4      | ECC801S | 12AT7    |
| E81CC   | 12AT7    | E2163   | 12AU7    | EC91    | 6AQ4     | ECC802  | 12AU7    |
| E81L    | 6686     | E2164   | 12AX7    | EC92    | 6AB4     | ECC802S | 12AU7    |
| E82CC   | 12AU7    | EEA91   | 6AL5     | EC94    | 6AF4     | ECC803  | 12AX7    |
| E83CC   | 12AX7    | EEA171  | 6AL5     | EC95    | 6ER5     | ECC803S | 12AX7    |



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|---------|----------|---------|----------|---------|----------|---------|----------|
| ECC813  | 6463     | EF5     | 6DA6     | EK90    | 6BE6     | EL803   | 6CK6     |
| ECC863  | 12DT7    | EF13    | 6DA6     | EL32    | 6V6      | EL820   | 6CJ6     |
| ECC900  | 6HA5     | EF36    | 6J7      | EL33    | 6V6      | EL821   | 6CH6     |
| ECC960  | 5920     | EF80    | 6BX6     | EL34    | 6CA7     | EL822   | 6CH6     |
| ECF80   | 6BL8     | EF82    | 6CH6     | EL35    | 6Y6      | EL861   | 6886     |
| ECF82   | 6U8      | EF85    | 6BY7     | EL36    | 6CM5     | ELL80   | 6HU8     |
| ECF86   | 6HG8     | EF86    | 6267     | EL37    | 6L6      | EN93    | 5696     |
| ECF200  | 6X9      | EF87    | 6CF8     | EL38    | 6CN6     | EQ80    | 6BE7     |
| ECF201  | 6U9      | EF89    | 6DA6     | EL81    | 6CJ6     | EY81    | 6R3      |
| ECF202  | 6AJ9     | EF91    | 6AM6     | EL82    | 6DY5     | EY81F   | 6V3      |
| ECF801  | 6GJ7     | EF92    | 6CQ6     | EL83    | 6CK6     | EY82    | 6N3      |
| ECF802  | 6JW8     | EF93    | 6BA6     | EL84    | 6BQ5     | EY86    | 6S2      |
| ECF805  | 6GV7     | EF94    | 6AU6     | EL85    | 6BN5     | EY87    | 6S2      |
| ECH81   | 6AJ8     | EF95    | 6AK5     | EL86    | 6CW5     | EY88    | 6AL3     |
| ECH83   | 6DS8     | EF96    | 6AG5     | EL90    | 6AQ5     | EY500   | 6EC4     |
| ECH84   | 6JX8     | EF97    | 6ES6     | EL91    | 6AM5     | EZ3     | 6V4      |
| ECH200  | 6V9      | EF98    | 6ET6     | EL95    | 6DL5     | EZ4     | 6CA4     |
| ECL80   | 6AB8     | EF183   | 6EH7     | EL180   | 12BY7    | EZ11    | 6V4      |
| ECL82   | 6BM8     | EF184   | 6EJ7     | EL500   | 6GB5     | EZ35    | 6X5      |
| ECL84   | 6DX8     | EF190   | 6CB6     | EL503   | 8278     | EZ80    | 6V4      |
| ECL85   | 6GV8     | EF804   | 6F40     | EL504   | 6BG5     | EZ81    | 6CA4     |
| ECL86   | 6GW8     | EF861   | 6688     | EL505   | 6KG6     | EZ90    | 6X4      |
| ECL821  | 6CH6     | EF905   | 6AK5     | EL508   | 6GW6     | EZ91    | 6CA4     |
| ED2     | 6AL5     | EFL200  | 6Y9      | EL509   | 6KG6     | EZ900   | 6X4      |
| ED500   | 6ED4     | EH90    | 6CS6     | EL802   | 6LD6     | GY501   | 3BH2     |

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|---------|----------|---------|----------|---------|----------|---------|----------|
| GZ30    | 5Z4      | HZ90    | 12X4     | LCL82   | 11BM8    | M8136   | 12AU7    |
| GZ32    | 5V4      | KK32    | 1C7      | LCL84   | 10DX8    | M8137   | 12AX7    |
| GZ34    | 5AR4     | KT32    | 25L6     | LCL85   | 10GV8    | M8162   | 12AT7    |
| H52     | 5AS4     | KT33    | 25A6     | LCL200  | 11Y9     | M8196   | 5725     |
| H63     | 6F5      | KT61    | 6AG6     | LF183   | 4EH7     | M8212   | 5726     |
| HAA91   | 12AL5    | KT63    | 6F6      | LF184   | 4EJ7     | M8232   | 6J4      |
| HABC80  | 19T8     | KT66    | 6L6      | LFL200  | 11Y9     | M8245   | 6005     |
| HBC90   | 12AT6    | KT71    | 50L6     | LL86    | 10CW5    | MV6/5   | 6SA7     |
| HBC91   | 12AV6    | KT77    | 6CA7     | LL500   | 18GB5    | N14     | 1C5      |
| HCC85   | 17EW8    | KT88    | 6550     | LL505   | 27KG6    | N15     | 3Q5      |
| HCH81   | 12AJ7    | KTZ63   | 6J7      | LL521   | 21KQ6    | N16     | 3Q5      |
| HD14    | 1H5      | L63     | 6C5      | LL802   | 10LD6    | N47     | 6AM5     |
| HD93    | 1X2      | L63B    | 6C5      | LN119   | 50BM8    | N77     | 6AM5     |
| HD94    | 6BQ6     | L77     | 6C4      | LN152   | 6AB8     | N119    | 45B5     |
| HD96    | 25BQ6    | LC97    | 3ER5     | LN309   | 16A8     | N144    | 6AM5     |
| HF93    | 12BA6    | LC900   | 3HA5     | LY81    | 11R3     | N147    | 6AG6     |
| HF94    | 12AU6    | LCC189  | 5ES8     | LY88    | 20AQ3    | N152    | 21A6     |
| HK90    | 12BE6    | LCF80   | 6LN8     | LY500   | 28EC4    | N153    | 15A6     |
| HL86    | 30CW5    | LCF86   | 5HG8     | LZ319   | 8A8      | N154    | 16A5     |
| HL90    | 19AQ5    | LCF200  | 5X9      | LZ329   | 9A8      | N155    | 6BN5     |
| HL92    | 50C5     | LCF201  | 5U9      | M8063   | 6AM6     | N308    | 25E5     |
| HL94    | 30A5     | LCF801  | 5GJ7     | M8079   | 5726     | N309    | 15A6     |
| HM04    | 6BE6     | LCF802  | 6LX8     | M8081   | 6J6      | N329    | 16A5     |
| HP6     | 6AM6     | LCH200  | 5V9      | M8096   | 5763     | N359    | 21A6     |
| HY90    | 35W4     | LCL80   | 4AB8     | M8100   | 6AK5     | N369    | 16A8     |

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| N378    | 15CW5    | OSW3109 | 6H6      | PCH200  | 9V9      | PL820    | 21A6     |
| N379    | 15CW5    | OSW3111 | 6SK7     | PCL82   | 16A8     | PLL80    | 12HU8    |
| N709    | 6BQ5     | 3SW3112 | 6J5      | PCL84   | 15DQ8    | PM04     | 6BA6     |
| N727    | 6AQ5     | PABC80  | 9AK8     | PCL85   | 18GV8    | PM05     | 6AK5     |
| NCC189  | 4ES8     | PC86    | 4CM4     | PCL86   | 14GW8    | PM07     | 6AM6     |
| NR67    | 6L7      | PC88    | 4DL4     | PCL801  | 13GC8    | PM95     | 6AK6     |
| NR78    | 6C5      | PC92    | 3AB4     | PD500   | 9ED4     | PY80     | 19X3     |
| NR78A   | 6J5      | PC95    | 4GK5     | PF9     | 6K7      | PY81     | 17Z3     |
| NR81    | 6K7      | PC97    | 3FY5     | PF86    | 4HR8     | PY82     | 19Y3     |
| NR83    | 6J7      | PC900   | 4HA5     | PFL200  | 16Y9     | PY88     | 30AE3    |
| NR85    | 6F6      | PCC84   | 7AN7     | PH4     | 6A8      | PY93     | 17Z3     |
| NR95    | 25L6     | PCC85   | 9AQ8     | PL36    | 25E5     | PY500    | 42EC4    |
| NU20    | 5Y3      | PCC88   | 7DJ8     | PL81    | 21A6     | PY800    | 17Z3     |
| OBC3    | 12SQ7    | PCC89   | 7FC7     | PL82    | 16A5     | PY801    | 17Z3     |
| OF1     | 6S7      | PCC186  | 7AU7     | PL83    | 15A6     | QA2401   | 6C4      |
| OF5     | 12K7     | PCC189  | 7ES8     | PL84    | 15CW5    | QA2404   | 6AL5     |
| OH4     | 12A8     | PCF80   | 9A8      | PL86    | 14GW8    | QA2406   | 12AT7    |
| OM6     | 6K7      | PCF82   | 9U8      | PL95    | 4DL5     | QA2407   | 6X4      |
| OSW2190 | 6AC7     | PCF86   | 7HG8     | PL500   | 27GB5    | QA2408   | 6SN7     |
| OSW2192 | 6AG7     | PCF200  | 8X9      | PL504   | 28GB5    | QE03/10  | 5763     |
| OSW2600 | 6AC7     | PCF201  | 8U9      | PL505   | 40KG6    | QE05/40  | 6146     |
| OSW2601 | 6AG7     | PCF801  | 8GJ7     | PL508   | 17KW6    | QE05/40H | 6159     |
| OSW3105 | 6SQ7     | PCF802  | 9JW8     | PL509   | 40KG6    | QL77     | 6C4      |
| OSW3106 | 6V6      | PCF805  | 7GV7     | PL521   | 29KQ6    | QM328    | 5686     |
| OSW3108 | 6L6      | PCF806  | 8GJ7     | PL802   | 16LD6    | QM556    | 6X4      |

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| FOREIGN  | AMERICAN | FOREIGN | AMERICAN | FOREIGN | AMERICAN | FOREIGN | AMERICAN     |
|----------|----------|---------|----------|---------|----------|---------|--------------|
| QM557    | 6AK5     | TT263   | 6J7      | UABC80  | 28AK8    | VT65    | AMERICAN 6C5 |
| QM558    | 6AS6     | U2M70   | 6X4      | UBC81   | 15BD7    | VT66    | 6F6          |
| QM559    | 6AL5     | U26     | 6S2      | UBF80   | 17C8     | VT74    | 5Z4          |
| QQE03/12 | 6360     | U31     | 25Z4     | UBF89   | 19FL8    | VT86    | 6K7          |
| QQV03/10 | 6360     | U49     | 6S2      | UC92    | 9AB4     | VT87    | 6L7          |
| QS2404   | 5726     | U50     | 5Y3      | UCC85   | 26AQ8    | VT88    | 6R7          |
| QS2406   | 12AT7    | U51     | 5V4      | UCH80   | 14Y7     | VT90    | 6H6          |
| QV03/12  | 5763     | U52     | 5U4      | UCH81   | 19D8     | VT91    | 6J7          |
| QV06/20  | 6146     | U54     | 5R4      | UCL82   | 50BM8    | VT93    | 6B8          |
| QV06/20B | 6883     | U70     | 6X5      | UF80    | 19BX6    | VT94    | 6J5          |
| QV06/20C | 6159     | U74     | 35Z4     | UF85    | 19BY7    | VT96    | 6N7          |
| QW77     | 6CQ6     | U76     | 35Z4     | UF89    | 12DA6    | VT97    | 5W4          |
| QZ77     | 6AM6     | U78     | 6X4      | UL84    | 45B5     | VT99    | 6F8          |
| R52      | 5Z4      | U119    | 38A3     | UU12    | 6CA4     | VT102   | 6K6          |
| R144     | 6AM6     | U147    | 6X5      | UY82    | S5N3     | VT103   | 12SQ7        |
| RS2      | 5Z4      | U152    | 19X3     | UY85    | 38A3     | VT105   | 6SC7         |
| RS1029   | 6AM6     | U153    | 17Z3     | V2M70   | 6X4      | VT107   | 6V6          |
| SN7      | 1B3      | U154    | 19Y3     | V177    | 6CQ6     | VT112   | 6AC7         |
| SP6      | 6AM6     | U192    | 19Y3     | V741    | 6C4      | VT114   | 5T4          |
| T2M05    | 6J6      | U193    | 17Z3     | V884    | 6CQ6     | VT115   | 6L6          |
| TM12     | 6J4      | U250    | 17Z3     | V886    | 6AM5     | VT116   | 6SJ7         |
| TS51     | 6AK5     | U349    | 17Z3     | VP6     | 6CQ6     | VT117   | 6SK7         |
| TS52     | 6J6      | U381    | 38A3     | VP12D   | 12C8     | VT124   | 1A5          |
| TS229    | 5687     | U707    | 6X4      | VP1321  | 9006     | VT125   | 1C5          |
| TS876C   | 12BY7    | U709    | 6CA4     | VT52    | 6K6      | VT126   | 6X5          |

| FOREIGN | AMERICAN | FOREIGN | AMERICAN | FOREIGN | AMERICAN | FOREIGN | AMERICAN |
|---------|----------|---------|----------|---------|----------|---------|----------|
| W77     | 6CQ6     | X719    | 6AJ8     | XF80    | 3BX6     | YF184   | 4EJ7     |
| W719    | 6BY7     | X727    | 6BE6     | XF85    | 3BY7     | YL84    | 10BQ5    |
| W727    | 6BA6     | XC95    | 2ER5     | XF86    | 2HR8     | YL86    | 10CW5    |
| WD709   | 6N8      | XC97    | 2FY5     | XF94    | 3AU6     | YL1370  | 6146     |
| X14     | 1A7      | XC900   | 2HA5     | XF183   | 3EH7     | YL1371  | 6883     |
| X61 (M) | 6K8      | XCC82   | 7AU7     | XF184   | 3EJ7     | YL1372  | 6159     |
| X63 (M) | 6A8      | XCC189  | 4ES8     | XL36    | 13CM5    | Z14     | 1N5      |
| X71 (M) | 12K8     | XCF80   | 4BL8     | XL84    | 8BQ5     | Z63     | 6J7      |
| X73 (M) | 6A8      | XCF82   | 5U8      | XL86    | 8CW5     | Z77     | 6AM6     |
| X76 (M) | 12K8     | XCF86   | 5HG8     | XL500   | 13GB5    | Z152    | 6BX6     |
| X77     | 6BE6     | XCF801  | 4GJ7     | XY88    | 16AQ3    | Z719    | 6BX6     |
| X79     | 6AE8     | XCH81   | 3AJ8     | YC95    | 3ER5     | Z729    | 6267     |
| X107    | 18FX6    | XCL82   | 8D8      | YC97    | 3FY5     | ZD151   | 6N8      |
| X119    | 19D8     | XCL84   | 8DX8     | YCC189  | 5ES8     | ZD152   | 6N8      |
| X155    | 6BZ8     | XCL85   | 9GV8     | YF183   | 4EH7     |         |          |

Foreign Conversion