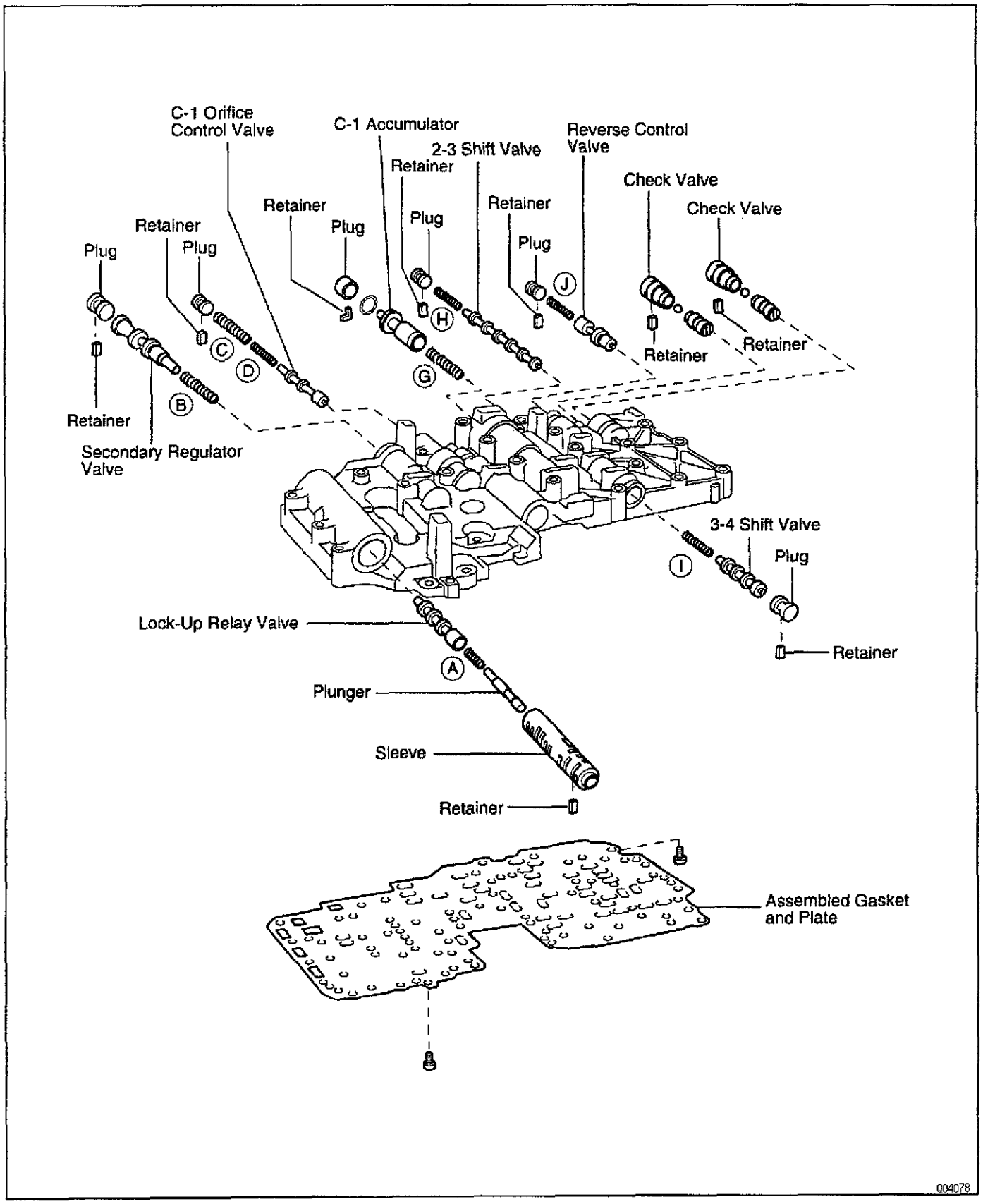
# UPPER VALVE BODY
## COMPONENTS

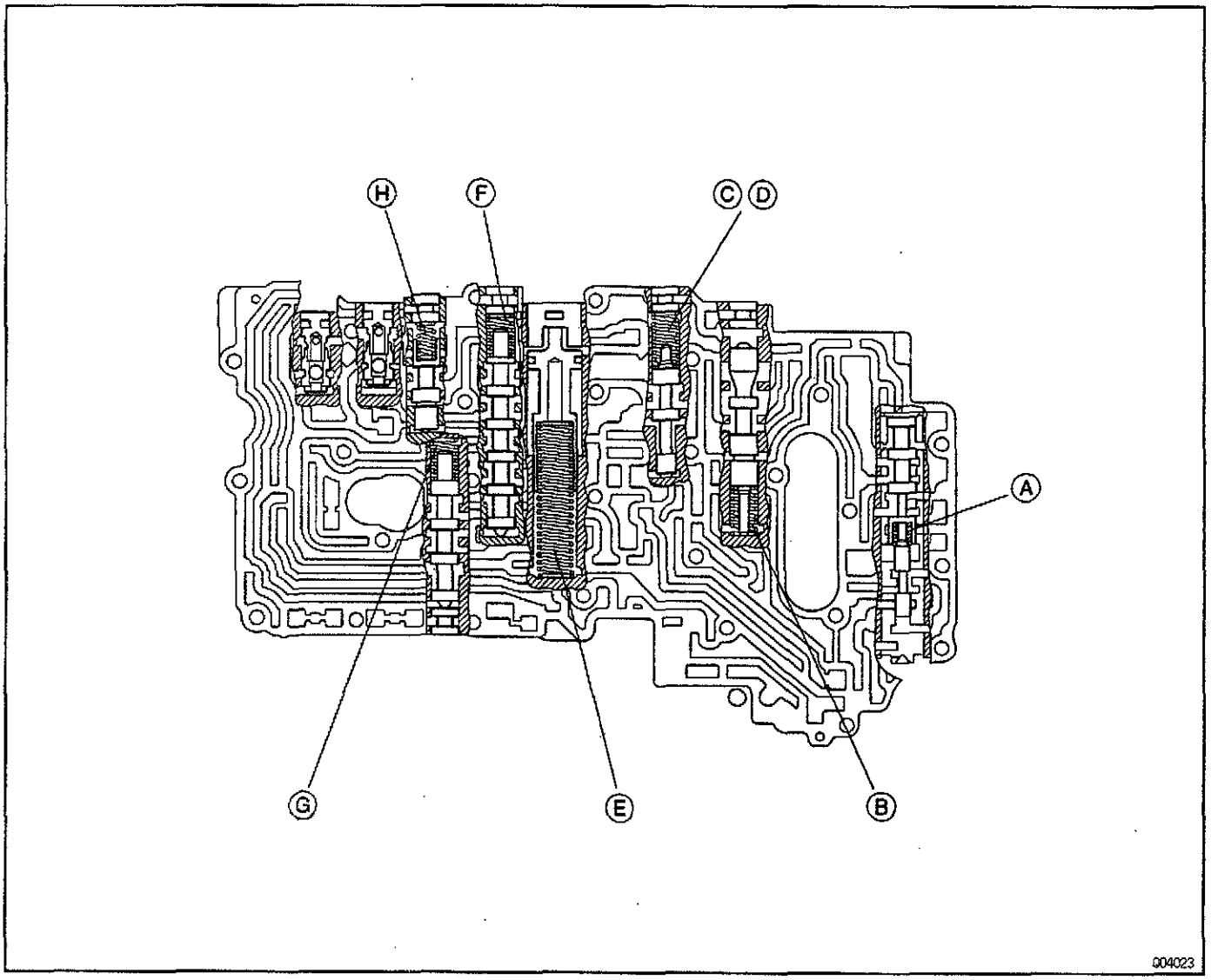
AT0ER–02



AT0E8–04

## VALVE BODY SPRING SPECIFICATIONS

HINT: During reassembly please refer to the spring specifications below to help you to differentiate the different springs.

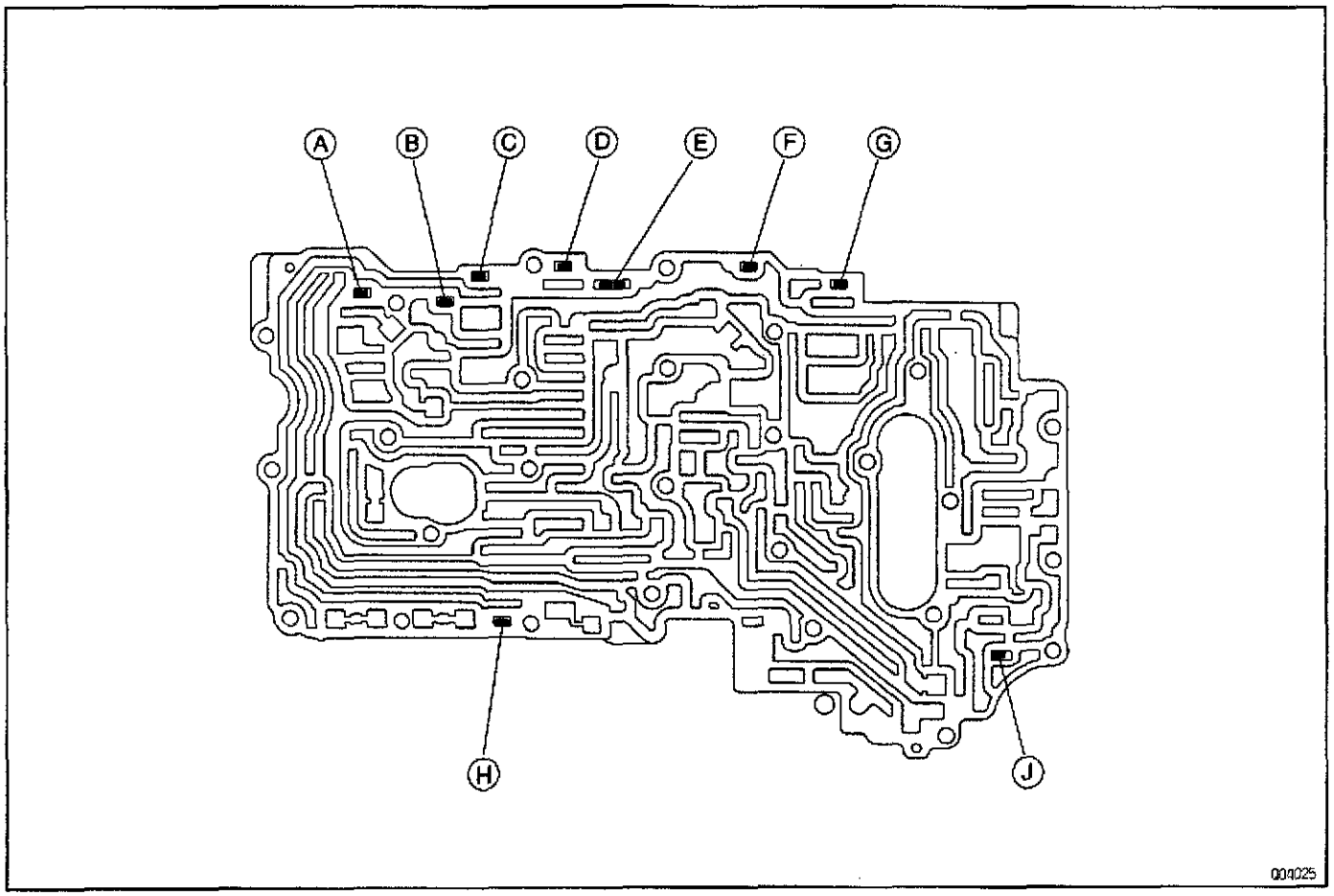



| Mark | Name (Color) | Free length / Outer diameter mm (in.) | Total No. of coils |
|---|---|---|---|
| Ⓐ | Lock–up relay valve (Red) | 23.42 (0.9220) / 5.86 (0.2307) | 12.25 |
| Ⓑ | Secondary regulator valve (Blue) | 32.79(1.2909) / 9.4 (0.3700) | 12.75 |
| Ⓒ | $C_1$ Orifice control valve (White) | 37.13 (1.4618) / 11.14 (0.4316) | 11.25 |
| Ⓓ | $C_1$ Orifice control valve (None) | 21.50 (0.8465) / 7.76 (0.3055) | 11.50 |
| Ⓔ | $C_1$ Accumulator (Pink) | 75.26 (2.9623) / 15.02 (0.5193) | 17.06 |
| Ⓕ | 2–3 Shift valve (Purple) | 30.77 (1.2114) / 9.70 (0.3819) | 10.50 |
| Ⓖ | 3–4 Shift valve (Purple) | 30.77 (1.2114) / 9.70 (0.3819) | 10.50 |
| Ⓗ | Reverse control valve (None) | 25.58 (1.0070) / 8.64 (0.3402) | 8.75 |

AT0ET−04

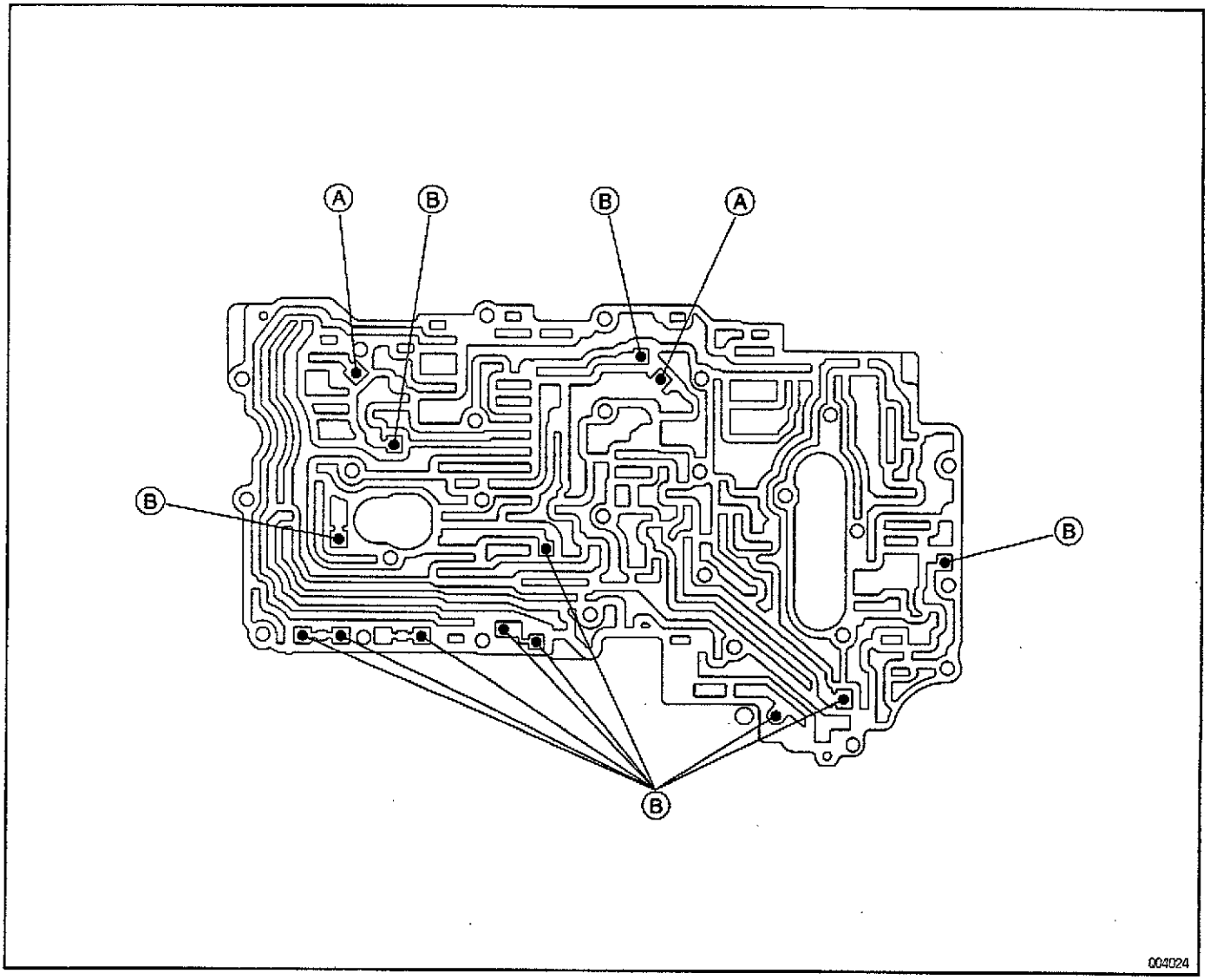
# RETAINERS AND CHECK BALLS LOCATION

## 1. RETAINERS




| Mark | Retainer | Height / Width / Thickness mm (in.) |
|---|---|---|
| Ⓐ | Check valve | 10.0 (0.394) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓑ | Check valve | 19.0 (0.748) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓒ | Reverse control valve | 16.0 (0.630) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓓ | 2−3 Shift valve | 12.5 (0.492) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓔ | $C_1$ Accumulator | 37.5 (1.476) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓕ | $C_1$ Orifice control valve | 12.5 (0.492) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓖ | Secondary regulator valve | 10.0 (0.394) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓗ | 3−4 Shift valve | 11.5 (0.453) / 5.0 (0.197) / 3.2 (0.126) |
| Ⓙ | Lock−up relay valve | 21.2 (0.835) / 5.0 (0.197) / 3.2 (0.126) |

## 2. CHECK BALLS




| Mark | Check ball | Diameter mm (in.) |
|---|---|---|
| Ⓐ | Rubber ball | 6.35 (0.250) |
| Ⓑ | Rubber ball | 5.54 (0.2181) |