

# AUTOMATIC TRANSMISSION (A343F)

SS023-01

## SERVICE DATA

|                                                 |                                         |                                                                     |
|-------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|
| Line pressure (Wheel locked)                    | Engine idling                           |                                                                     |
|                                                 | D range                                 | 480 – 539 kPa (4.9 – 5.5 kgf/cm <sup>2</sup> , 70 – 78 psi)         |
|                                                 | R range                                 | 696 – 794 kPa (7.1 – 8.1 kgf/cm <sup>2</sup> , 101 – 115 psi)       |
|                                                 | AT stall ( Throttle valve fully opened) |                                                                     |
|                                                 | D range                                 | 1,294 – 1,432 kPa (13.2 – 14.6 kgf/cm <sup>2</sup> , 188 – 208 psi) |
|                                                 | R range                                 | 1,657 – 1,991 kPa (16.9 – 20.3 kgf/cm <sup>2</sup> , 240 – 289 psi) |
| Engine idle speed                               |                                         | 750 ± 50 rpm                                                        |
| Engine stall revolution                         |                                         | D and R ranges                                                      |
|                                                 |                                         | 2,300 ± 150 rpm                                                     |
| Time lag                                        | N → D range                             | Less than 1.2 seconds                                               |
|                                                 | N → R range                             | Less than 1.5 seconds                                               |
| Engine idle speed ( A/C OFF)                    |                                         |                                                                     |
| N range                                         |                                         | 750 ± 50 rpm                                                        |
| Speedometer driven gear oil seal drive in depth |                                         | 25 mm (0.98 in.)                                                    |
| Shift lever grooved pin                         |                                         | 13.5 ± 0.3 mm (0.531 ± 0.012 in.)                                   |
| Drive plate runout                              | Max.                                    | 0.20 mm (0.0079 in.)                                                |
| Torque converter clutch runout                  | Max.                                    | 0.30 mm (0.0118 in.)                                                |
| Torque converter clutch installation distance   |                                         | More than 15.7 mm (0.618 in.)                                       |
| Shift point                                     |                                         |                                                                     |
| *1 D range<br>(Throttle valve fully opened)     | 1 → 2                                   | 55 – 60 km/h (34 – 37 mph)                                          |
|                                                 | 2 → 3                                   | 101 – 111 km/h (63 – 69 mph)                                        |
|                                                 | 3 → O/D                                 | 154 – 165 km/h (96 – 103 mph)                                       |
|                                                 | O/D → 3                                 | 147 – 158 km/h (91 – 98 mph)                                        |
|                                                 | 3 → 2                                   | 94 – 100 km/h (58 – 62 mph)                                         |
|                                                 | 2 → 1                                   | 43 – 48 km/h (27 – 30 mph)                                          |
| *1 2 range<br>(Throttle valve fully opened)     | 3 → 2                                   | 112 – 122 km/h (70 – 76 mph)                                        |
|                                                 |                                         |                                                                     |
| L range<br>(Throttle valve fully opened)        | 2 → 1                                   | 54 – 63 km/h (34 – 39 mph)                                          |
|                                                 |                                         |                                                                     |
| Lock-up point (NORM, 2nd Start Mode)            |                                         |                                                                     |
| (Throttle valve opening 5 %)                    |                                         |                                                                     |
| Lock-up ON                                      |                                         | 61 – 66 km/h (38 – 41 mph)                                          |
| Lock-up OFF                                     |                                         | 54 – 59 km/h (34 – 37 mph)                                          |
| Lock-up point (POWER Mode)                      |                                         |                                                                     |
| (Throttle valve opening 5 %)                    |                                         |                                                                     |
| Lock-up ON                                      |                                         | 61 – 66 km/h (38 – 41 mph)                                          |
| Lock-up OFF                                     |                                         | 54 – 59 km/h (34 – 37 mph)                                          |

\*1: there is no 1 → 2 up-shift and 2 → 1 down shift in the 2nd START switch ON.