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|----------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | D clutch piston seals                                     | DISASSEMBLE and INSPECT the transmission passages for debris/blockage. CLEAN as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                               |
| D clutch harsh apply | Incorrect transmission strategy programmed into PCM/ TCM. | PERFORM the Transmission Strategy Download,<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                                                              |
|                      | High line pressure                                        | PERFORM line pressure test.<br>REFER to: Special Testing Procedures (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .                                                                                                                                                                                                                                                                                                                                   |
|                      | SSD mechanically sticking                                 | INSTALL a new solenoid.<br>REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                                                                                                                          |
|                      | D Clutch regulator valve sticking                         | DISASSEMBLE, CLEAN and INSPECT the valves. If bore or valve is damaged, INSTALL a new main control valve body.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .            |
|                      | Gain control valve stuck in applied position              | DISASSEMBLE, CLEAN and INSPECT the valve. If bore or valve is damaged, INSTALL a new main control valve body. PERFORM the Transmission Strategy Download,<br>REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .                                                                                                                                                                                                 |
|                      | D CL CONTR, D CL-FB2 hydraulic circuit blocked/leaking    | DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage. CLEAN as necessary.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) . |
|                      | D clutch friction plates                                  | DISASSEMBLE and INSPECT the transmission passages for debris/blockage. CLEAN as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                               |
|                      | D clutch piston return springs                            | DISASSEMBLE and INSPECT the transmission passages for debris/blockage. CLEAN as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                               |



## E Clutch

### Symptom Chart

#### E Clutch

For E clutch operation,  
REFER to: E Clutch (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Description and Operation).

#### E Clutch

| Condition               | Possible Sources                              | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E clutch does not apply | SSE is mechanically stuck OFF                 | INSTALL a new solenoid.<br>REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                                                                                                                      |
|                         | E Clutch regulator valve stuck OFF            | DISASSEMBLE, CLEAN and INSPECT the regulator valve. If bore or valve is damaged, INSTALL a new main control valve body.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) |
|                         | E CL CONTR, hydraulic circuit blocked/leaking | DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage. CLEAN as necessary.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                 |
|                         | E clutch hub                                  | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                |
|                         | E clutch friction plates                      | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                |
|                         | E clutch piston seals                         | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                |
| E clutch always applied | SSE mechanically stuck                        | INSTALL a new solenoid.<br>REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                                                                                                                      |
|                         |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|--------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | E Clutch regulator valve or CL E latch valve stuck ON       | DISASSEMBLE, CLEAN and INSPECT the regulator valve. If bore or valve is damaged, INSTALL a new main control valve body.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) . |
|                                      | E CL CONTR, hydraulic circuit cross leaks                   | DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage. CLEAN as necessary.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                   |
|                                      | E clutch hub, clutch and planetary carrier, No. 4 ring gear | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                  |
|                                      | E clutch friction plates                                    | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                  |
|                                      | E clutch piston seals                                       | INSPECT components wear and damage. CLEAN and/or INSTALL new components as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                                  |
| E clutch delayed/soft/slipping apply | Incorrect transmission strategy programmed into PCM/ TCM.   | PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .                                                                                                                                                                                                                                                                                                                |
|                                      | Low line pressure                                           | PERFORM line pressure test.<br>REFER to: Special Testing Procedures (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .                                                                                                                                                                                                                                                                                                                                 |
|                                      | SSE mechanically sticking                                   | INSTALL a new solenoid.<br>REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                                                                                                                        |
|                                      | E Clutch regulator valve sticking                           | DISASSEMBLE, CLEAN and INSPECT the valve. If bore or valve is damaged, INSTALL a new main control valve body.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .           |
|                                      | Gain control valve stuck in default position.               | DISASSEMBLE, CLEAN and INSPECT the valve. If bore or valve is damaged, INSTALL a new main control valve body.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).<br>PERFORM the Transmission Strategy Download, REFER to: Transmission Strategy Download (307-01 Automatic Transmission - 10-Speed Automatic Transmission - 10R60) .           |
|                                      | E CL CONTR, E CL-FB2 hydraulic circuits blocked/leaking     | DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage. CLEAN as necessary.<br>REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).                                                                                                                                                                   |
|                                      | E clutch friction plates                                    | DISASSEMBLE and INSPECT the transmission passages for debris/blockage. CLEAN as necessary.<br>REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).                                                                                                                                                                                                                             |