

2012 - Mazda6 - Transmission/ Transaxle

NO.7 NO SHIFTING [FS5A-EL]

7	No shifting
DESCRIPTION	• Single shift position only. • Sometimes it shifts correctly.
POSSIBLE CAUSE	• When the gear position is fixed in 3GR due to the fail-safe operation, the malfunction is in the ATX. • Perform malfunction diagnosis according to No.6 "Low maximum speed and poor acceleration". NOTE: • If a tire of a different diameter from the standard tire is installed, the TCM determines that the driving mode is the AAS mode, and may change to a different shift timing from the normal timing. 1. Clutch slippage, burnt • Line pressure low • Shift solenoid D malfunction • Shift solenoid A malfunction • Shift solenoid B malfunction • Shift solenoid C malfunction • Shift solenoid F malfunction • Pressure control solenoid A malfunction • Pressure control solenoid B malfunction • Body GND malfunction • Control valve body malfunction 2. Signal malfunction • Vehicle speed sensor malfunction • Sensor GND malfunction

APP sensor malfunction

- Input/turbine speed sensor malfunction
- MAF sensor malfunction
- CKP sensor malfunction

3. Transaxle fixed in 3GR (Operation of fail-safe function)

- Short or open circuit in wiring harness
- Poor connection of connector
- Disconnected shift solenoid connector
- Poor ground of shift solenoid

4. Transaxle fixed in 4GR (Operation of fail-safe function)

- Forward clutch slippage
- Vehicle speed sensor malfunction
- Shift solenoid A malfunction (Stuck on)
- Poor connection of connector

5. Transaxle fixed in M position

- M position switch (built-in selector lever component) malfunction

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