2012 - Mazda6 - Transmission/ Transaxle

NO.7 NO SHIFTING [AY6A-EL]

7	**No shifting**
DESCRIPTION	• Single shift range only. • Sometimes it shifts correctly.
POSSIBLE CAUSE	• When the gear position is fixed in 3GR or 5GR* due to the fail-safe operation, 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. ▪ Clutch burnt (C1 clutch, C2 clutch, C3 clutch, B1 brake) • Line pressure low • Incorrect accelerator opening signal • VSS malfunction • Input/turbine speed sensor malfunction • Sensor ground malfunction • Shift solenoid A malfunction • Shift solenoid B malfunction • Shift solenoid C malfunction • Shift solenoid D malfunction • Shift solenoid E malfunction • Line pressure control solenoid malfunction • Shift solenoid F malfunction • Control valve body malfunction

	▪ 3GR or 5GR* is fixed (Operation in fail-safe function) • Short or open circuit in wiring harness • Poor connection of connector • Poor ground of shift solenoid • Malfunction of electronic parts of output and input system

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If case of shift solenoid C failure

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