

## TRANSAXLE RANGE SENSOR [FW6A-EL, FW6AX-EL]

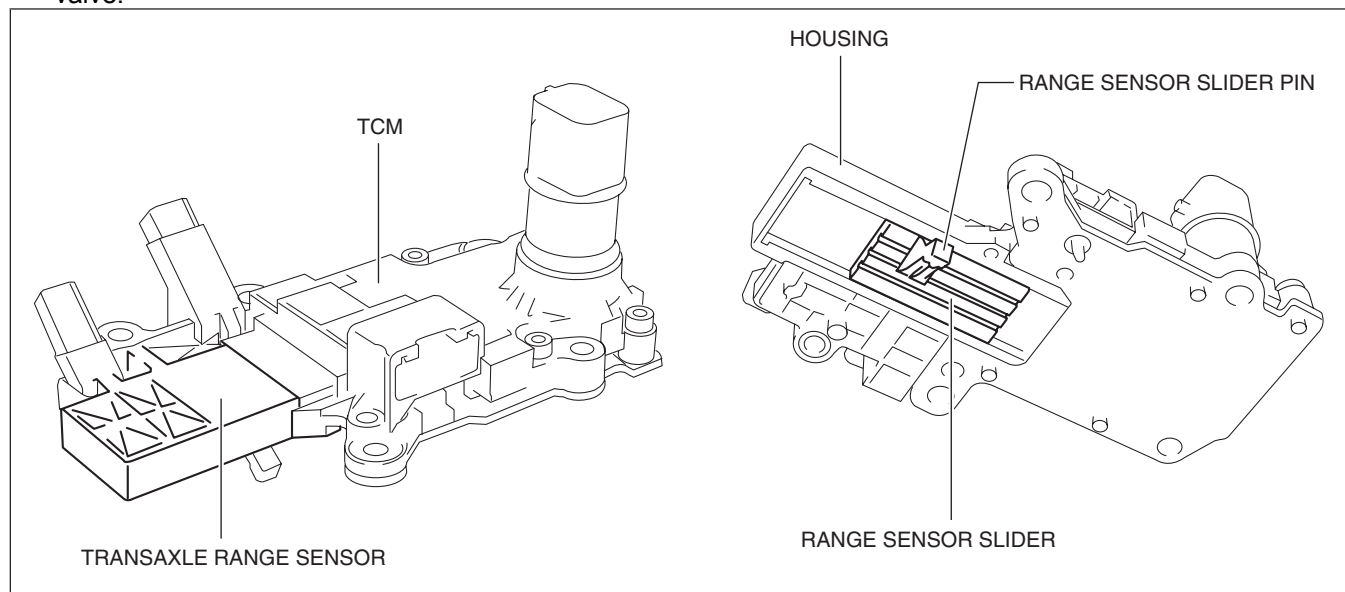
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### Purpose/Function

- The transaxle range sensor detects the position of the manual valve and selector lever.
- The transaxle range sensor signal is used for automatic shift control, manual shift control, TCC control, line pressure control, direct electric shift control, learning control, engine-transaxle integration control, and the on-board diagnostic system.

### Construction

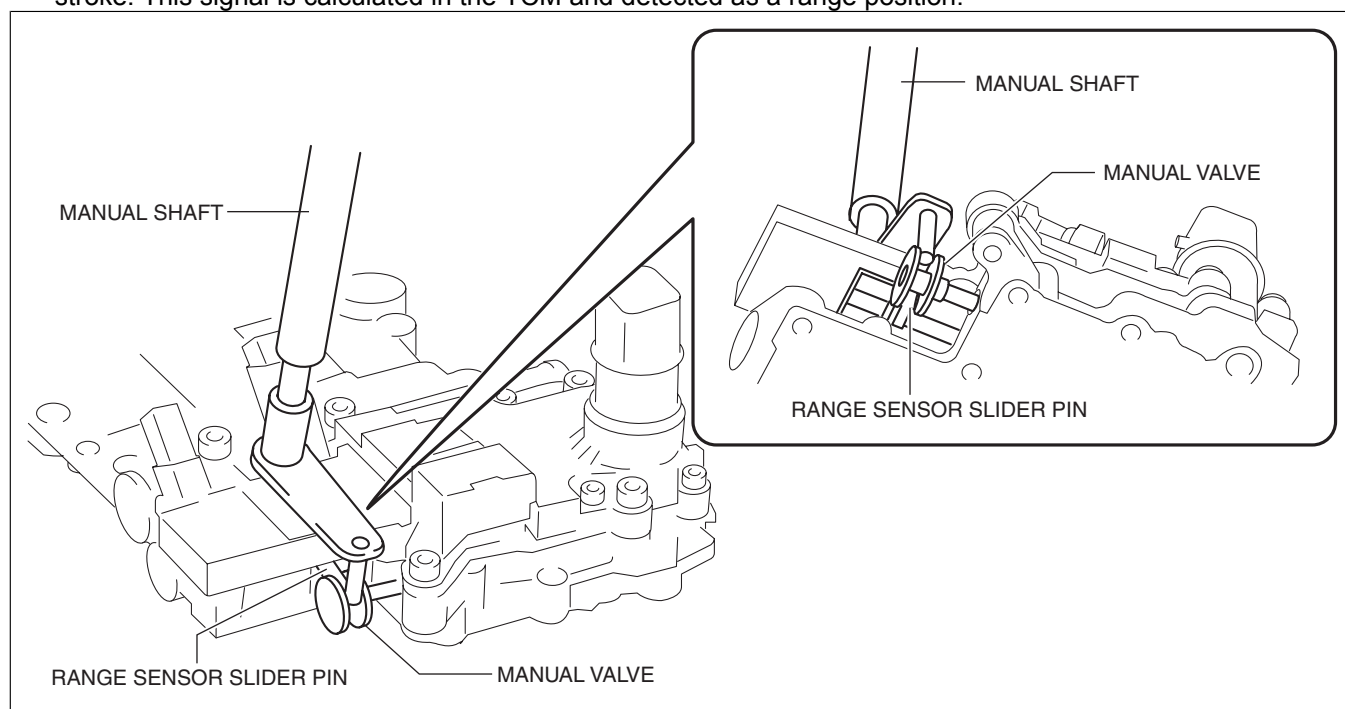
- The transaxle range sensor consists of a housing and slider which are installed to the control valve body as a part of the TCM.
- The slider is assembled to the housing and the pin which projects from the slider and is connected to the manual valve.



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### Operation

- When the selector lever is operated, the manual valve strokes via the manual shaft while the slider strokes via the slider pin.
- The transaxle range sensor detects the signal corresponding to the manual valve position according to the slider stroke. This signal is calculated in the TCM and detected as a range position.



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