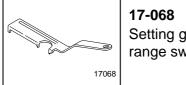
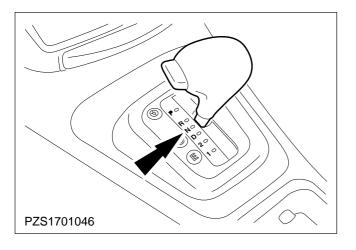
# Transmission Range Sensor – Remove and Install (17 705 0)

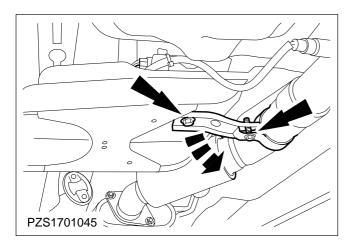
## Special Tools



**17-068** Setting gauge, transmission range switch (TR switch)



# VFS1701043

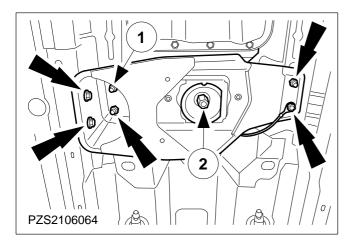


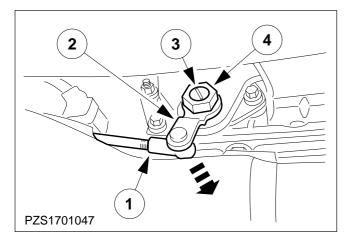
### Remove

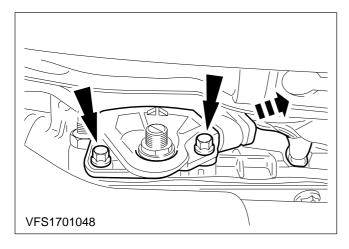
1. Move the selector lever to position "N".

- 2. Raise the vehicle.
- 3. Unhook the loops for the rear exhaust pipe.
- 4. Detach the front heat shield and slide it backwards.

5. Detach the bracket for the front exhaust pipe from the transmission crossmember and swivel it downwards.







**NOTE:** Support the automatic transmission with a transmission jack.

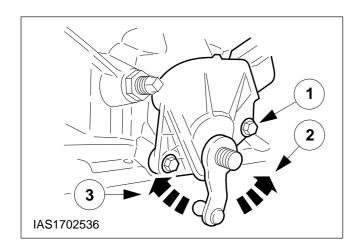
## 6. Detach the transmission crossmember.

- 1 Detach it from the body.
- 2 Detach it from the automatic transmission.
- Lower the automatic transmission and remove the transmission jack.

# 7. Detach the selector lever.

- 1 Unclip the link rod from the selector lever.
- 2 Selector lever
- 3 Nut
- 4 Selector shaft

8. Disconnect the plug of the TR switch and remove the TR switch.



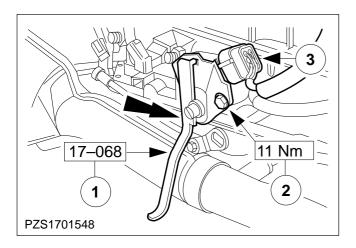
### Install

**NOTE:** The guide of the TR switch must engage with the groove of the selector shaft.

### 9. Install and adjust the TR switch.

**NOTE:** Do not tighten the bolts.

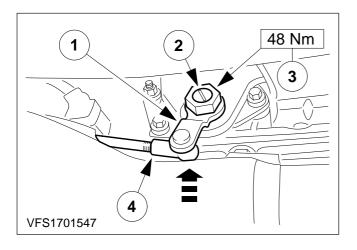
- 1 Attach the TR switch.
- 2 Slide on the selector lever and turn the selector shaft anti-clockwise as far as the stop.
- 3 Turn the selector lever through three notch positions in the clockwise direction (neutral position).
- Remove the selector lever.

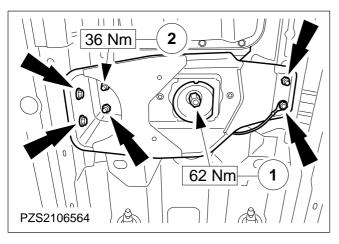


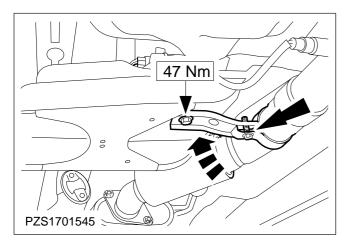
# 10. Install and adjust the TR switch (cont.) (automatic transmission shown removed).

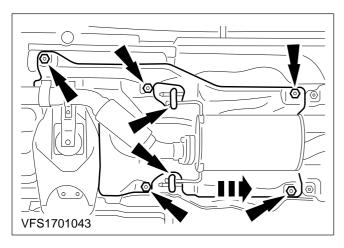
**NOTE:** The position of the groove in the selector shaft is not important for carrying out the adjustment.

- 1 Locate the special tool in position and turn the TR switch until the special tool engages in the grooves of the TR switch.
- 2 Tight the bolts of the TR switch and remove the special tool.
- 3 Connect the plug of the TR switch.









- 11. Attach the selector lever.
  - 1 Selector lever
- 2 Selector shaft
- 3 Nut
- 4 Clip the link rod to the selector lever.

### 12. Attach the transmission crossmember.

- Raise the transmission using a transmission jack.
- 1 Attach it to the automatic transmission.

**NOTE:** Attach the ground lead.

- 2 Attach it to the body.
- Remove the transmission jack.
- 13. Swivel the bracket for the front exhaust pipe upwards and attach it to the transmission crossmember.

- 14. Attach the front heat shield and hook the loops for the rear exhaust pipe in place.
- 15. Lower the vehicle.