4. DIAGNOSTIC TROUBLE CODE

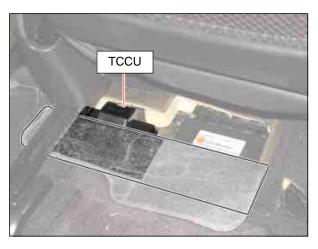
Code	Description	Action
P1806	Defective CAN commulcation	- Check communication line Replace TCCU if necessary.
P1805	Defective mode switch	 When the mode switch is defective Check TCCU pin No.4 and 16. Mode change 2H (Pin No. 4: Ground) 4H (No contact: Open) 4L (Pin No.16: Ground)
P1821	Open or short to ground in magnetic clutch coil circuit	 Voltage at TCCU pin No.11: 11 ~ 15 V EMC resistance: 2.5 Ω Check the relevant connectors for contact. Replace TCCU if necessary.
P1822	Open or short to ground in hub control circuit	When the hub control circuit is open or short to ground over 0.2 second Replace TCCU if necessary.
P1841	Open to ground in shift motor circuit	- When TCCU detects the motor failure for 1 second - Check the relevant harnesses for contact Replace TCCU if necessary.
P1842	Short to ground in shift motor output circuit	- When TCCU detects the motor failure for 1 second - Check the relevant harnesses for contact Replace TCCU if necessary.
P1843	Defective position sensor in motor	 2H-4H: after 1.5 seconds 4H-4L: after 3 seconds Check the relevant harnesses for contact. Replace TCCU if necessary.
P1844	Stuck in 4L mode	 When no shifting operation from 4L to 4H, even though the shift conditions are satisfied and no error. Replace TCCU if necessary.

Code	Description	Action
P1850	Defective position encoder	 When the position encoder is defective Check the relevant harnesses. Check the relevant connectors for contact. Check the shift motor.
P1851	Short to ground for position encoder 1	 Short to ground for position encoder 1 in shift motor Check the relevant harnesses for short. TCCU pin No.18 Check the relevant connectors for contact. Check the shift motor.
P1852	Short to ground for position encoder 2	 Short to ground for position encoder 2 in shift motor Check the relevant harnesses for short. TCCU pin No.5 Check the relevant connectors for contact. Check the shift motor.
P1853	Short to ground for position encoder 3	 Short to ground for position encoder 2 in shift motor Check the relevant harnesses for short. TCCU pin No.19 Check the relevant connectors for contact. Check the shift motor.
P1854	Short to ground for position encoder 4	 Short to ground for position encoder 4 in shift motor Check the relevant harnesses for short. TCCU pin No.17 Check the relevant connectors for contact. Check the shift motor.
P1815	Abnormal CAN neutral signal	 No neutral signal from automatic transmission over 1 second through CAN. Check CAN communication line. Check TCU.

Removal and Installation of TCCU

KYRON

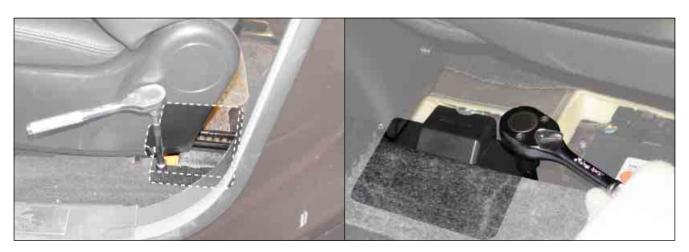
1. Slide the drive's seat and fold up the carpet.



2. Unscrew two nuts on the TCU.

Installation Notice

Tightening torque	10 Nm
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3. Disconnect the TCCU connect and remove the TCCU.



• Be careful not to apply any impact to TCCU body.





CHANGED BY	
EFFECTIVE DATE	
AFFECTED VIN	