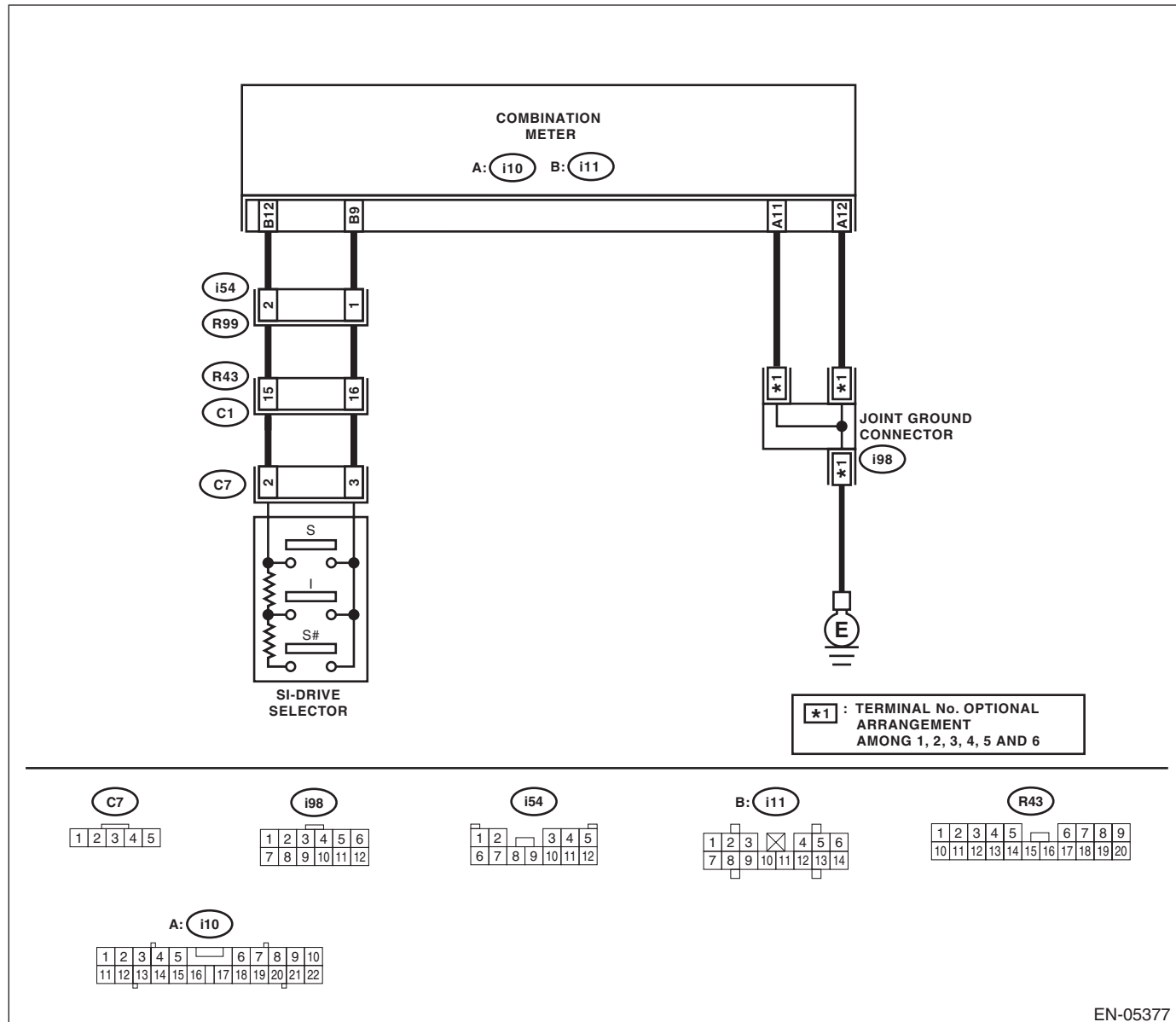


Diagnostic Procedure without Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

1. EVEN WHEN THE SI-DRIVE MODE IS CHANGED, THE MULTI-INFORMATION DISPLAY DOES NOT CHANGE, AND THE MODE DOES NOT SWITCH.

WIRING DIAGRAM:



EN-05377

Diagnostic Procedure without Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

Step		Check	Yes	No
1	CHECK SI-DRIVE SELECTOR. 1) Disconnect the connector from the multi-information display meter. 2) Measure the resistance between connectors when the SI-DRIVE selector is operated. Connector & terminal (i11) No. 9 — (i11) No. 12:	Does the resistance change as shown below? S#: 3.48 — 3.85 k Ω I: 0.95 — 1.05 k Ω S: less than 1 Ω	Go to step 2.	Go to step 4.
2	CHECK POOR CONTACT. Check the following items. <ul style="list-style-type: none"> Cracked or improperly connected connector Broken connector pin Disconnection of connector terminal 	Is there any abnormal condition?	Correct the cause of trouble.	Go to step 3.
3	RECHECK FAULT. 1) Connect all connectors. 2) Change the SI-DRIVE mode.	Is there any abnormal condition?	Replace the multi-information display meter. <Ref. to IDI-19, Combination Meter.>	The circuit has returned to a normal condition at this time. Reproduce the fault condition, and reperform the check. NOTE: In this case, there may be a temporary connector contact failure.
4	CHECK SI-DRIVE SELECTOR HARNESS AND CONNECTOR. Check the following items. <ul style="list-style-type: none"> Short or open circuit in the harness Improperly connected or loose terminal in the SI-DRIVE selector connector Improperly connected or loose terminal in coupling connector 	Is there any abnormal condition?	Correct the cause of trouble.	Go to step 5.
5	RECHECK FAULT. 1) Connect all connectors. 2) Change the SI-DRIVE mode.	Is there any abnormal condition?	Replace the SI-DRIVE selector. <Ref. to FU(H4DOTC)-43, SI-DRIVE Selector.>	The circuit has returned to a normal condition at this time. Reproduce the fault condition, and reperform the check. NOTE: In this case, there may be a temporary connector contact failure.

Diagnostic Procedure without Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

2. WHEN THE SI-DRIVE MODE IS CHANGED, “MODE CHANGE ERROR” APPEARS IN THE MULTI-INFORMATION DISPLAY APPROXIMATELY 5 SECONDS LATER.

Step	Check	Yes	No
1 CHECK DTC.	Is DTC displayed?	Check for the corresponding DTC using the “List of Diagnostic Trouble Code (DTC)” for each unit.	Go to step 2.
2 CHECK DISPLAY OF MULTI-INFORMATION DISPLAY METER. Check whether there are other errors displayed other than the “Mode Change Error”. Example: • “Err” is displayed in the external temperature or fuel consumption displays. • FUEL gauge, TEMP gauge or ECO gauge does not move.	Is there other errors displayed other than the “Mode Change Error”?	For the diagnostic procedure, refer to LAN section. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>	Go to step 3.
3 CHECK MULTI-INFORMATION DISPLAY METER AND ECM.	Is the multi-information display meter and ECM part numbers correct?	Replace the multi-information display meter. <Ref. to IDI-19, Combination Meter.>	Replace the multi-information display meter and/or ECM to that of the correct part number. <Ref. to IDI-19, Combination Meter.> or <Ref. to FU(H4DOTC)-44, Engine Control Module (ECM).>

3. WHEN THE SI-DRIVE MODE IS CHANGED, “MODE CHANGE ERROR” IS NOT DISPLAYED IN MULTI-INFORMATION DISPLAY, AND “S#”, “I”, “S” FLASHES.

NOTE:

In this case, there may be a problem outside the SI-DRIVE system.

Step	Check	Yes	No
1 CHECK MALFUNCTION INDICATOR LIGHT. 1) Start the engine. 2) Check whether the malfunction indicator light is lit or not.	Does the malfunction indicator light illuminate?	Check the appropriate DTC using the “List of Diagnostic Trouble Code (DTC)”. <Ref. to EN(H4DOTC)(diag)-81, List of Diagnostic Trouble Code (DTC).>	Go to step 2.
2 CHECK ENGINE COOLANT TEMPERATURE GAUGE. 1) Turn the ignition switch to ON. 2) Check the engine coolant temperature gauge.	Is the coolant overheating?	Investigate and repair the cause of the overheating.	Go to step 3.
3 CHECK DISPLAY OF MULTI-INFORMATION DISPLAY. 1) Turn the ignition switch to ON. 2) Change the SI-DRIVE mode. 3) Check the display of the multi-information display.	Do the displays “S#”, “I”, “S” of the multi-information display flash?	Replace the multi-information display meter. <Ref. to IDI-19, Combination Meter.>	Perform test operation, and check the malfunction indicator and the coolant temperature gauge. If they are operating normally, end the diagnosis.