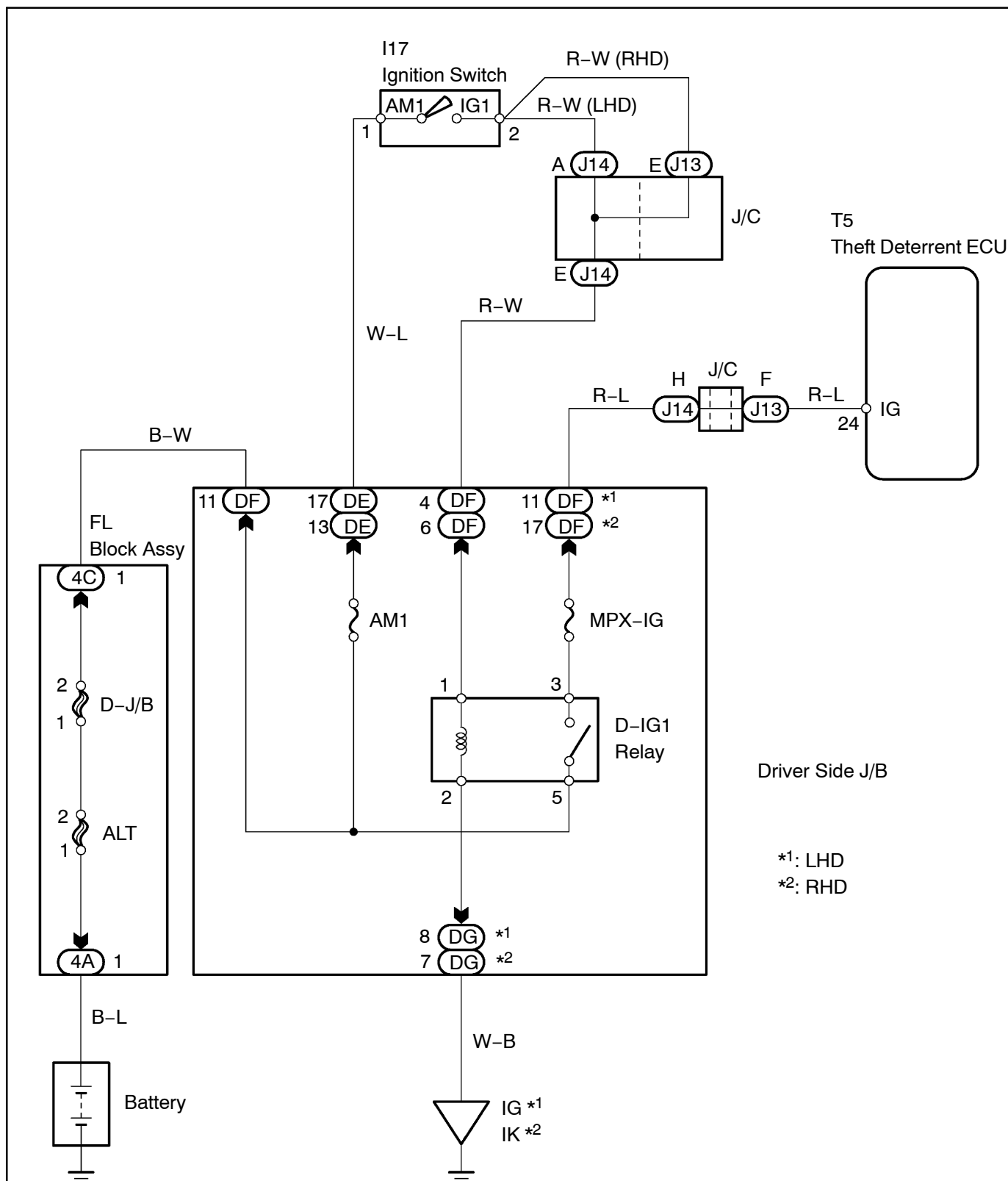


IGNITION SWITCH CIRCUIT

CIRCUIT DESCRIPTION

When the ignition switch is turned ON, the power is applied to the theft deterrent ECU.

WIRING DIAGRAM



1 INSPECT FUSE (MPX-IG, AM1)

- (a) Remove the MPX-IG and AM1 fuses from the driver side J/B.
 (b) Measure the resistance.

Standard: Below 1 Ω

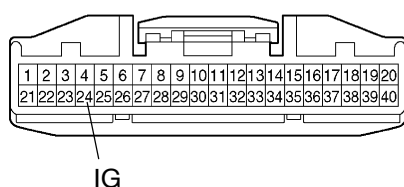
NG

REPLACE FUSE

OK

2 CHECK THEFT DETERRENT ECU (POWER SOURCE)**Wire Harness Side**

T5
Theft Deterrent ECU



Y

B79298

- (a) Disconnect the T5 ECU connector.
 (b) Measure the voltage of the wire harness side connectors.

Standard:

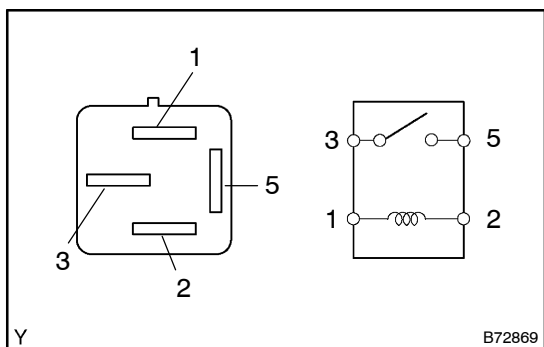
Tester Connection	Condition	Specified Condition
T5-24 (IG) - Body ground	Ignition switch ON	10 to 14 V

NG

Go to step 3

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
 (see [page 05-3074](#)).

3 INSPECT RELAY (D-IG1)

Y

B72869

- (a) Remove the D-IG1 relay from the driver side J/B.
 (b) Measure the resistance.

Standard:

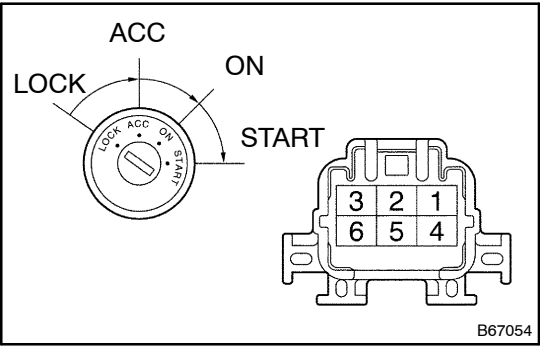
Tester Connection	Specified Condition
3 - 5	10k Ω or higher
3 - 5	Below 1 Ω (when battery voltage is applied to terminals 1 and 2)

NG

REPLACE RELAY

OK

4 CHECK IGNITION SWITCH



(a) Measure the switch resistance.

Standard:

Terminal No.	Switch Position	Specified Condition
1 - 2	LOCK	10 k Ω or higher
1 - 2	ON	Below 1 Ω

NG

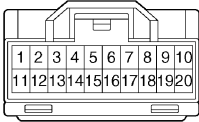
REPLACE IGNITION OR STARTER SWITCH ASSY

OK

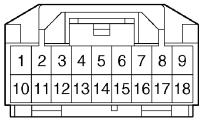
5 CHECK WIRE HARNESS

Wire Harness Side

DE
Driver Side J/B



DF
Driver Side J/B



- (a) Disconnect the DE and DF driver side J/B connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Condition	Specified Condition
DE-17 - DF-4	Ignition switch ON	Below 1 Ω

RHD models

Tester Connection	Condition	Specified Condition
DE-13 - DF-6	Ignition switch ON	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

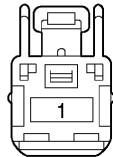
OK

6

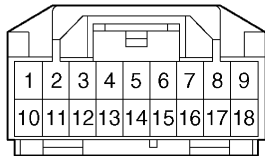
CHECK WIRE HARNESS (DRIVER SIDE J/B - THEFT DETERRENT ECU AND BODY GROUND)

Wire Harness Side

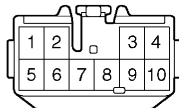
DA
Driver Side J/B



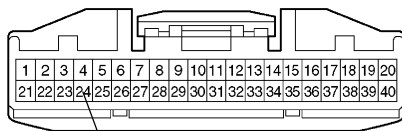
DF
Driver Side J/B



DG
Driver Side J/B



T5
Theft Deterrent ECU



Y

IG

B74284

- (a) Disconnect the DA, DF and DG J/B connectors.
- (b) Disconnect the T5 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
DF-11 - T5-24 (IG)	Below 1 Ω
DG-8 - Body ground	Below 1 Ω
DA-1 - Body ground	10 to 14 V

RHD models

Tester Connection	Specified Condition
DF-17- T5-24 (IG)	Below 1 Ω
DG-7 - Body ground	Below 1 Ω
DA-1 - Body ground	10 to 14 V

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE DRIVER SIDE J/B