DIAVW-01

## ATF Temperature Sensor No.2 Circuit

## **CIRCUIT** DESCRIPTION

ATF[]emperature[sensor[No.2[]s[]on[]]he[]]ransmission[and[]]ust[]before[]]he[]ooler[]nlet[]pipeline.

If Engine and ECT ECU detects the abnormally high temperature of ATF by this sensor, to draws driver attention by turning the warning amp up.

#### HINT:

- The temperature of ATF teasily traises when to every finite and the training track, to the temperature of the training training
- •□ If[the[ATF[temperature[sensor[No.2[shorts,[the[signal[that[indicates[the[ATF[temperature]s 150°C (302°F)]pr[higher[is[input[in[Engine[and[ECT[ECU.

Vehicle@onditions@when@ensor@s@n@ormal@nd@when@he@ehicle@s@n@short@re@ndicated@n@he@able below.

ATF[]emperature[]No.2[]Sensor State	Detection[Condition	Symptom	Recovery[Condition
Sensor[]s[]hormal	•ATfluidflemp.fmoreflhan 150°C (302°E).	AT[Dil[Temp.[warning[]ight[]e-mains[]on	•AT[fluid[]emp.[]ess[]han 135°C (275°E).[]*1
Sensor[]s[]n[short	•'Any[conditions.	AT[Dil[Temp.[warning[]ight[]e-mains[]on	Symptoms[still[occur

#### HINT:

#### WIRING DIAGRAM

SeepageDI-127.

#### **INSPECTION PROCEDURE**

1	Check A/T oil warning light.
1	Check A/T oil warning light.

#### **CHECK:**

When parking the vehicle with the shift lever in P or N range, check that the AT oil warning light goes off within 5 minutes.

#### OK:

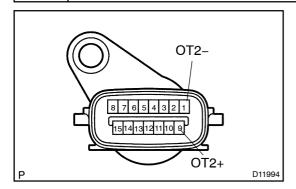
AT oil warning light goes off



NG

<sup>\*1:</sup> When AT fluid temperature is in formal flange, it decreases to less than 135°C within fininutes with the shift lever in P or N range in a idling state.

## 2 Check transmission wire.



#### **PREPARATION:**

Disconnect the transmission wire connector from the transmission.

#### **CHECK:**

Measure resistance between terminals OT2+ and OT2- of the transmission wire connector and body ground.

#### OK:

Resistance: 1 M $\Omega$  or higher

ture sensor).

#### **CHECK:**

Measure the resistance between terminals OT2+ and OT2-.

#### OK:

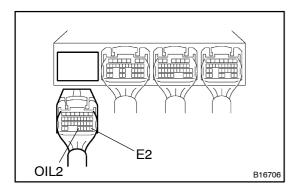
Temperature: °C (°F)	Resistance: kΩ	
10 (50)	6.4	
110 (230)	0.2	

NG Replace the transmission wire (ATF tempera-

ОК

3∏

# $\label{lem:lemma} \textbf{Measure[resistance[between[terminal]OIL2]]} and \textbf{[E2]} of \textbf{[Engine]} and \textbf{[ECT]} \textbf{[ECU]} connector.$



#### PREPARATION:

(a) Connect he ransmission wire connector.

#### CHECK:

#### OK:

Temperature: C (°E)	Resistance:[k͡ᡌ	
10[[50]	6.4	
110[[230)	0.2	

#### **CHECK:**

Measure  $\P$  esistance  $\P$  etween  $\P$  erminals  $\P$  L2  $\P$  and  $\P$  connector  $\P$  and  $\P$  ody  $\P$  or one distribution of  $\P$  and  $\P$  ody  $\P$  or one distribution of  $\P$  and  $\P$  of  $\P$  of

#### OK:

Resistance: 1 MΩ or higher



Repair or replace the harness or connector (See page N-38).

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-119).