

DTC P1756 LINE PRESSURE CONTROL FUNCTION

Description

Description

Line pressure is controlled by a signal sent from TCM to generate the line pressure necessary for torque transmission by steel belt. The pressure is returned from the hydraulic sensor sensor to TCM, and it is regulated continuously to maintain the target oil pressure.

CONSULT-II REFERENCE VALUE IN DATA MONITOR MODE

Remarks: Specification data are reference values.

NAK70291504

Monitor item	Condition	Specification
LINE PRES SOL	Vehicle is being driven.	Approx. 0 - 1.0A
*LINE PRES SOL		

TCM TERMINALS AND REFERENCE VALUE

Remarks: Specification data are reference values.

NAK70291507

Terminal No.	Wire color	Item	Condition	Judgement standard (Approx.)
6	W/G	Line pressure control solenoid valve	 "D" positions, and accelerator pedal and brake pedal released after driving	4 - 6V

ON BOARD DIAGNOSIS LOGIC

NAK70291002

Diagnostic trouble code	Malfunction is detected when ...	Check items (Possible cause)
① : L/P CON/FUNCTN	TCM detects that the difference between target value and actual value exceeds the 0 specified value continuously for more than the specified time.	● Line pressure solenoid valve
② : P1756		
③ : MI Code No. 1756		

DIAGNOSIS SYSTEM SELECTION
CVT
ENGINE

SAT651J

DIAGNOSIS MODE SELECTION
WORK SUPPORT
SELF DIAGNOSIS
DATA MONITOR
TCM PART NUMBER

SAT577J

DIAGNOSTIC TROUBLE CODE (DTC) CONFIRMATION PROCEDURE

NAK70291009

CAUTION:

Always drive vehicle at a safe speed.

NOTE:

If "DIAGNOSTIC TROUBLE CODE CONFIRMATION PROCEDURE" has been previously conducted, always turn ignition switch "OFF" and wait at least 5 seconds before conducting the next test.

After the repair, perform the following procedure to confirm that the malfunction is eliminated.

① With CONSULT-II

- 1) Turn ignition switch "ON" and select "DATA MONITOR" mode for "ENGINE" with CONSULT-II.
- 2) Start engine and maintain the following conditions for at least 5 consecutive seconds.

O/P PULLY SIG: 10 km/h (6 MPH) or more

THRTL POS SEN: More than 0.7 - 0.8V

Selector lever: D position

ENG SPEED: 500 rpm or more

FLUID TEMP SE: 20 - 99°C (68 - 210°F)

If the check result is NG, replace CVT assembly.

AT-7087

DTC P1756 LINE PRESSURE CONTROL FUNCTION

Description (Cont'd)

DIAGNOSIS MODE SELECTION
WORK SUPPORT
SELF DIAGNOSIS
DATA MONITOR
ACTIVE TEST
FUNCTION TEST
DTC WORK SUPPORT

SAT654J



With GST

Follow the procedures under "With CONSULT-II".

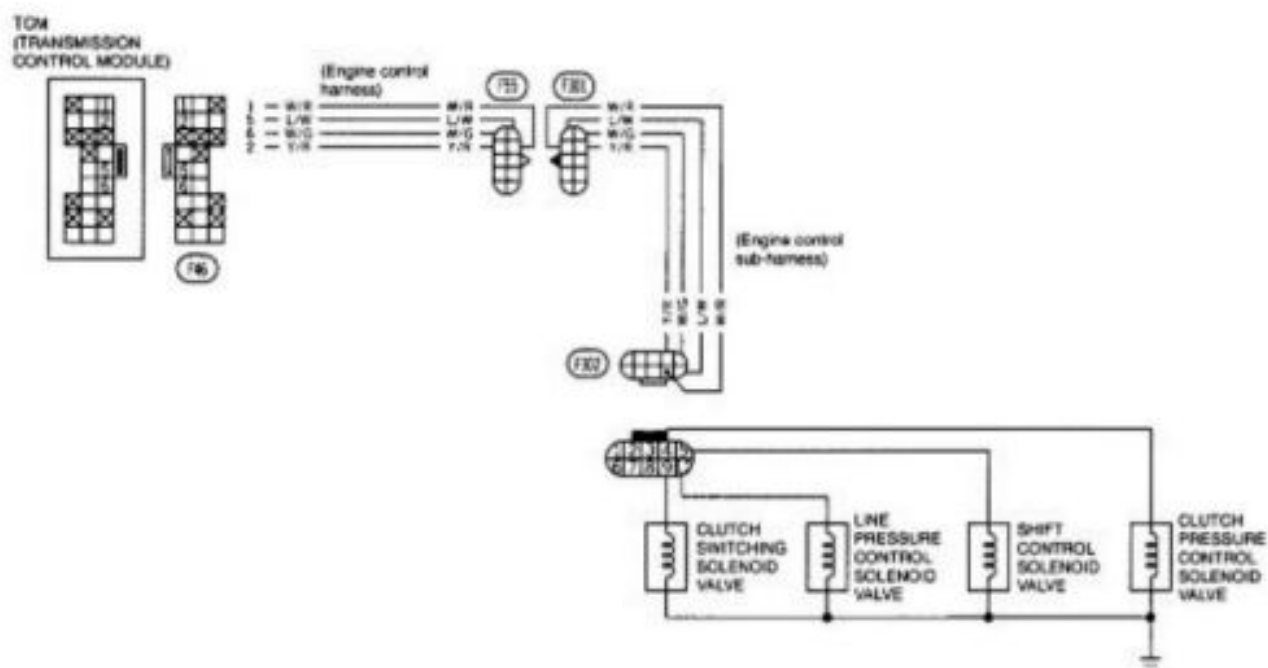
AT-7088

DTC P1756 LINE PRESSURE CONTROL FUNCTION

Wiring Diagram — LPC —

Wiring Diagram — LPC —

ANGEL TRENDS



YAT198

AT-7089

DTC P1758 LINE PRESSURE SOLENOID CIRCUIT

Description

Description

Line pressure is controlled by a signal sent from TCM to generate the line pressure necessary for torque transmission by steel belt. The pressure is returned from the line pressure sensor to TCM, and it is regulated continuously to maintain the target oil pressure.

CONSULT-II REFERENCE VALUE IN DATA MONITOR MODE

Remarks: Specification data are reference values.

Monitor item	Condition	Specification
LINE PRES SOL	Vehicle being driven	Approx. 0 - 1.0A
*LINE PRES SOL		

TCM TERMINALS AND REFERENCE VALUE

Remarks: Specification data are reference values.

Terminal No.	Wire color	Item	Condition	Judgement standard (Approx.)
6	W/G	Line pressure control solenoid valve	 "D" positions, and accelerator pedal and brake pedal released after driving	4 - 6V

ON BOARD DIAGNOSIS LOGIC

Diagnostic trouble code	Malfunction is detected when ...	Check items (Possible cause)
 : LINE PRES SOL	TCM detects malfunction in drive circuit.	• Harness or connectors (The solenoid circuit is open or shorted.) • Line pressure solenoid valve
 : P1758		
 : MI Code No. 1758		

DIAGNOSIS SYSTEM SELECTION	
CVT	
ENGINE	

SAT651J

DIAGNOSTIC TROUBLE CODE (DTC) CONFIRMATION PROCEDURE

CAUTION:

Always drive vehicle at a safe speed.

NOTE:

If "DIAGNOSTIC TROUBLE CODE CONFIRMATION PROCEDURE" has been previously conducted, always turn ignition switch "OFF" and wait at least 5 seconds before conducting the next test.

After the repair, perform the following procedure to confirm that the malfunction is eliminated.

With CONSULT-II

- 1) Turn ignition switch "ON" and select "DATA MONITOR" mode for "ENGINE" with CONSULT-II.
If the check result is NG, go to "Diagnostic Procedure", AT-7093.

DTC P1758 LINE PRESSURE SOLENOID CIRCUIT

Description (Cont'd)

DIAGNOSIS MODE SELECTION
WORK SUPPORT
SELF DIAGNOSIS
DATA MONITOR
TCM PART NUMBER

SAT577J



With GST

Follow the procedures under "With CONSULT-II".

DIAGNOSIS MODE SELECTION
WORK SUPPORT
SELF DIAGNOSIS
DATA MONITOR
ACTIVE TEST
FUNCTION TEST
DTC WORK SUPPORT

SAT654J

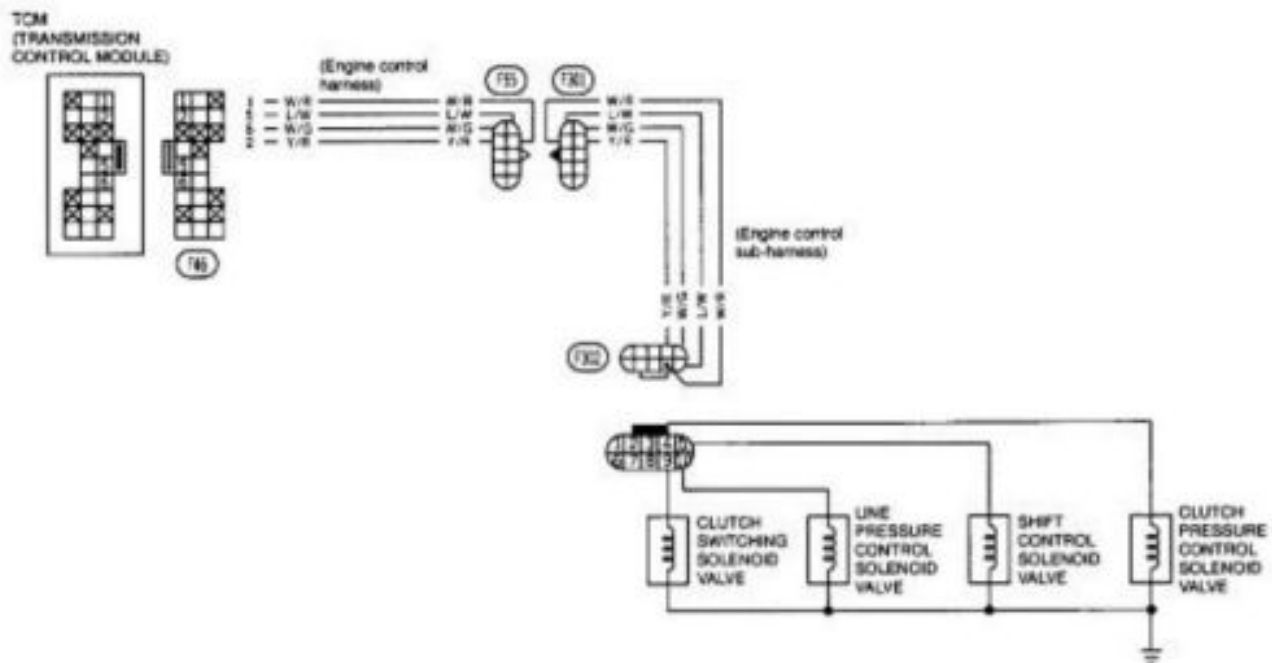
AT-7091

DTC P1758 LINE PRESSURE SOLENOID CIRCUIT

Wiring Diagram — LPS —

Wiring Diagram — LPS —

NAK70356



YAT198

AT-7092

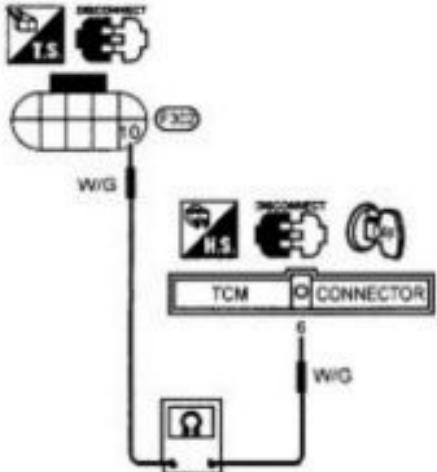
DTC P1758 LINE PRESSURE SOLENOID CIRCUIT

Diagnostic Procedure

Diagnostic Procedure

AWAT0030

1 CHECK GROUND CIRCUIT		
1. Turn ignition switch to "OFF" position. 2. Disconnect terminal cord assembly connector in engine compartment. 3. Check resistance between line pressure control solenoid valve connector F302 terminal 10 and ground. Resistance: 6 - 10Ω		
OK or NG		
OK	▶	GO TO 2.
NG	▶	Replace CVT assembly

2 CHECK POWER SOURCE CIRCUIT		
1. Turn ignition switch to "OFF" position. 2. Disconnect TCM harness connector. 3. Check continuity between line pressure control solenoid valve connector F302 terminal 10 and TCM harness connector F46 terminal 6. Continuity should exist.		
		
If OK, check harness for short to ground and short to power. 4. Reinstall any part removed.		
OK or NG		
OK	▶	GO TO 3.
NG	▶	Replace CVT assembly

3 CHECK DTC		
Perform Diagnostic Trouble Code (DTC) confirmation procedure, AT-7090.		
OK or NG		
OK	▶	Inspection END
NG	▶	1. Perform TCM input/output signal inspection. 2. If NG, recheck TCM pin terminals for damage or loose connection with harness connector.

AT-7093