Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2012 NISSAN Teana OEM Service and Repair Workshop Manual

Go to manual page

Sample

© FactoryManuals.

Priority	DTC	Detection items
	P1572	Brake pedal position switch
	P159D	High voltage battery
	P15A9	Charging device power supply
	P15B8, P1671, P1672, P1678, P1679, P1693, P1694, P16DC, P3194, U0273, U2370, U2A0D, U2A0F	Communication error
	P1613, P161C	Internal circuit error
	P168A, P1692	Precharge relay
	P168B, P168C, P168D, P168E	System main relay
	P17C6	Power Supply
	P2121, P2122, P2123	Accelerator pedal position sensor D
	P2126, P2127, P2128	Accelerator pedal position sensor E
	P2138	Accelerator pedal position sensor
	P2504	Charging system voltage
	P2EBF	Immediate charging switch
	Other than P3101–62	VCM
	U007A	Control module communication bus
	U1327, U214F, U2152, U2165, U2176	MAC key
	U2118, U2148, U214E, U214F, U2150, U2152, U2153, U2154, U215B, U2165, U2176, U2181, U218C, U2212, U2247, U2248, U2252, U226B, U2276, U2342, U2344, U2357, U2379, U23A1, U2457, U2470	CAN communication
	U2A02	Comm Bus Off PT
2	P05B1	Active grille air shutter B
	P102D, P159A, P159C, P1630, P166E	Electric water pump
	P1503	Active grille shutter 1
3	P0B33	High voltage service disconnect
	P0D98	Battery charger coupler unlock control

Sample

Priority	DTC	Detection items
	P1001	Battery coolant heater connect
	P102C	Quick charge relay
	P1033	High voltage PTC heater
	P1035	Internal circuit error
	P1596, P1597, P15BF, P15C5, P15D3	High voltage connector interlock
	P1598	Interlock sensors
	P15A2	Traction motor system temperature
	P15A6, P15A7, P15AA, P15BA, P15FB, P1605, P163E, P163F, P1647, P1666	Charging system
	P15BE	Service plug interlock
	P15F0	Charge port lid
	P15FA, P15FE, P1604	Charge port lock
	P161E, P161F	High voltage connector interlock
	P1638	Charge connector temperature
	P164B	Electric shift system
	P166C	Charging device
	P1695	Traction motor system
	P1728	High voltage harness temperature
	P1729	High voltage junction box temperature
	P172A	High voltage junction box
	P18A5	Auto park function cancel
	P3101-62	VCM

Sample

SIEMD-7197642

1. CHECK COOLING FAN FUNCTION

With CONSULT

1. Power switch ON.
2. Select “Cooling fan” in “ACTIVE TEST MODE” using CONSULT.
3. Change the duty and check that the cooling fan speed changes accordingly.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Refer to Diagnosis Procedure.

Sample

SIEMD-7197015

1. CHECK COOLING FAN CONTROL MODULE POWER SUPPLY

1. Power switch OFF.
2. Disconnect cooling fan control module harness connector.
3. Power switch ON.
4. Check voltage between the cooling fan control module harness connector and ground.

+		−	Voltage
Cooling fan control module			
Connector	Terminal		
E201	2	Ground	12 V battery voltage

Is the inspection result normal?

YES>>

GO TO 4.

NO>>

GO TO 2.

2. CHECK FUSIBLE LINK

1. Power switch OFF.
2. Remove fusible link #I.
3. Check that the fusible link is not blown.

Is the inspection result normal?

YES>>

GO TO 3.

NO>>

Replace the fusible link after repairing the applicable circuit.

3. CHECK COOLING FAN CONTROL MODULE POWER SUPPLY CIRCUIT

1. Check for continuation between the cooling fan control module harness connector and fusible link terminal.

+		−	Continuity
Cooling fan control module			
Connector	Terminal		
E201	2	Fusible link #I terminal	Existing

2. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

Sample

Perform trouble cause simulation test. Refer to Intermittent Incident.

NO>>

Repair or replace error-detected parts.

4. CHECK COOLING FAN CONTROL MODULE GROUND CIRCUIT

1. Power switch OFF.
2. Check for continuation between the cooling fan control module harness connector and ground.

+		−	Continuity
Cooling fan control module			
Connector	Terminal		
E201	1	Ground	Existing

Is the inspection result normal?

YES>>

GO TO 5.

NO>>

Repair or replace error-detected parts.

5. CHECK COOLING FAN CONTROL MODULE CONTROL SIGNAL CIRCUIT

1. Disconnect IPDM E/R harness connector.
2. Check for continuation between the cooling fan control module harness connector and the IPDM E/R harness connector.

+		−		Continuity
Cooling fan control module		IPDM E/R		
Connector	Terminal	Connector	Terminal	
E201	4	E41	106	Existing

3. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

GO TO 6.

NO>>

Repair or replace error-detected parts.

6. REPLACE COOLING FAN CONTROL MODULE

1. Replace cooling fan control module. Refer to COOLING FAN : Removal & Installation.
2. Power switch ON and erase DTC.
3. Perform component function check. Refer to Component Function Check.

Is the inspection result normal?

YES>>

Sample

INSPECTION END

NO>>

Replace IPDM E/R. Refer to Removal and Installation.

Sample

1. CHECK 12 V BATTERY POWER SUPPLY-1

1. Power switch OFF.
2. Remove 12 V main relay.
3. Check voltage between the 12 V main relay harness connector and ground.

+		−	Voltage
12 V main relay			
Connector	Terminal		
E106	2	Ground	12 V battery voltage
	3		

Is the inspection result normal?

YES>>

GO TO 5.

NO>>

GO TO 2.

2. CHECK FUSIBLE LINK

1. Remove fusible link ＃S.
2. Check that the fusible link is not blown.

Is the inspection result normal?

YES>>

GO TO 3.

NO>>

Replace the fusible link after repairing the applicable circuit.

3. CHECK 12 V BATTERY POWER SUPPLY-2

Check voltage between fusible link terminal and ground.

+	−	Voltage
Fusible link ＃S	Ground	12 V battery voltage

Is the inspection result normal?

YES>>

GO TO 4.

NO>>

Check power supply circuit.

Sample

4. CHECK 12 V BATTERY POWER SUPPLY CIRCUIT

1. Check for continuation between the 12 V main relay harness connector and fusible link terminal.

+	–		Continuity
	12 V main relay		
	Connector	Terminal	
Fusible link # S terminal	E106	2	Existing
		3	

2. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

Perform trouble cause simulation test. Refer to Intermittent Incident.

NO>>

Repair or replace error-detected parts.

5. CHECK 12 V MAIN RELAY

Check 12 V main relay. Refer to Component Inspection.

Is the inspection result normal?

YES>>

GO TO 6.

NO>>

Replace 12 V main relay.

6. CHECK 12 V MAIN RELAY CONTROL SIGNAL CIRCUIT

1. Disconnect VCM harness connector.
2. Check for continuation between the 12 V main relay harness connector and the VCM harness connector.

+		–		Continuity
12 V main relay		VCM		
Connector	Terminal	Connector	Terminal	
E106	1	E48	103	Existing

3. Also check harness for short to power supply and ground.

Is the inspection result normal?

YES>>

GO TO 7.

NO>>

Repair or replace error-detected parts.

Sample

7. CHECK VCM GROUND CIRCUIT

Check for continuation between the VCM harness connector and ground.

+		−	Continuity
VCM			
Connector	Terminal		
E46	28	Ground	Existing
	29		
	32		

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace error-detected parts.

Sample