

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 Sunny OEM Service and Repair Workshop Manual

[Go to manual page](#)

MONITOR ITEM	UNIT	CONDITION	Values/Status
			Inform the confirmed error of unreceived diagnosis
PT-FD clock error (AIRB)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-FD frame loss (CCU)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD frame loss (ADAS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD clock error (ADAS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-FD CRC error (ADAS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-CAN frame loss (ADAS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV2-CAN frame loss (BCB)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV2-CAN clock error (BCB)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
HV2-CAN CRC error (BCB)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
HV1-CAN frame loss (BMS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV1-CAN CRC error (BMS)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
HV1-CAN frame loss (BMS2)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis

MONITOR ITEM	UNIT	CONDITION	Values/Status
HV1-CAN clock error (BMS2)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
HV1-CAN CRC error (BMS2)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-FD CRC error (CDM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-CAN frame loss (CDM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD frame loss (CGW)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD clock error (CDM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-FD frame loss (CDM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD CRC error (CCU)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-FD clock error (CCU)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-FD CRC error (CPLC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-FD frame loss (IP)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD frame loss (HVAC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-CAN CRC error (SCU)	—	Power switch ON	Displays CAN communication error status at that time.

MONITOR ITEM	UNIT	CONDITION	Values/Status
			Inform the confirmed error of CRC diagnosis
PT-CAN clock error (SCU)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-CAN frame loss (HBA)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD clock error (CPLC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
PT-F frame loss (CPLC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD frame loss (CCM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV2-CAN frame loss (DCDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV2-CAN clock error (DCDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
HV2-CAN CRC error (DCDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
HV2-CAN frame loss (HECM)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV1-CAN frame loss (INV)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
HV1-CAN clock error (INV)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
HV1-CAN CRC error (INV)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis

MONITOR ITEM	UNIT	CONDITION	Values/Status
PT-FD CRC error (VDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-CAN frame loss (VDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD frame loss (UPA)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD CRC error (UPA)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of CRC diagnosis
PT-FD frame loss (VDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of unreceived diagnosis
PT-FD clock error (VDC)	—	Power switch ON	Displays CAN communication error status at that time. Inform the confirmed error of Clock diagnosis
HVB sensor 1 pressure delay	mbar	This item is displayed but not used.	
HVB sensor 2 pressure delay	mbar	This item is displayed but not used.	
HSG Inverter current	A	This item is displayed but not used.	
HVAC power supply relay	—	A/C ON	Displays power (weak) supply relay status to A/C auto amp. <ul style="list-style-type: none"> • OFF: NO • ON: YES
READY status	—	Power switch ON or READY	Displays drivable status <ul style="list-style-type: none"> • READY OFF • READY ON
Front traction motor inverter cooling pump	—	READY	Displays ON/OFF request status of water pump for cooling inverter (front) <ul style="list-style-type: none"> • OFF: No request • ON: Request
Grille shutter 2 set position	%	Power switch ON	Active grill shutter 2 fully open: 100% Active grill shutter 2 fully close: 0%

MONITOR ITEM	UNIT	CONDITION	Values/Status
Quick charge port temperature (Sensor 1)	°C	Power switch ON	Displays temperature of quick charge port temperature sensor 1
Quick charge port temperature (Sensor 2)	°C	Power switch ON	Displays temperature of quick charge port temperature sensor 2
CCS charge control status (Quick charge)	—	Preform CCS quick charge	Displays charge control status of DC and CCS <ul style="list-style-type: none"> • 0: Initial • 1: Hand shake 1 (Charge type judgement) • 2: Hand shake 2 (Charge type judgement) • 3: Get information of charger • 4: S2 relay Close • 5: Charge cable check • 6: Pre charge • 7: Quick charge relay close • 8: Power supply start • 9: Current request start • 10: Charge ongoing • 11: Zero ampere mode ongoing • 12: Power supply end • 13: Quick charge relay open • 14: Welding diagnosis start • 15: Welding diagnosis 1 start • 16: Welding diagnosis 2 start • 17: Welding diagnosis 3 start • 18: Welding diagnosis 4 start • 19: Welding diagnosis 5 start • 20: Welding diagnosis stop • 21: Charge stop request • 22: HLC communication stop • 23: HLC communication request stop • 24: Quick charge relay emergency open due to HLC error • 25: Power supply stop is confirmed • 26: Charge retry
GB/T control status request (Quick charge)	—	Preform GBT quick charge	Displays CAN communication signal transmission request that vehicle sends to charger in GB/T

MONITOR ITEM	UNIT	CONDITION	Values/Status
			standard charge control <ul style="list-style-type: none"> • 0: No transmission request • 1: BHM transmission request (Hand shake) • 2: BRM transmission request (identification) • 3: BCP transmission request (parameter) • 4: BRO transmission request (ready to change) • 5: BCS+BCL transmission request (voltage, current, request) • 6: BCS + BCL + BSM transmission request (voltage, current, + present voltage, current) • 7: BST transmission request (stop request) • 8: BSD transmission request (charge data) • 9: BEM transmission request (error data)
Normal charge control status	—	Preform normal charge	Displays normal charge control status <ul style="list-style-type: none"> • 0: Standby • 1: Power ON • 2: Charge start request • 3: S2 relay close • 4: Zero ampere mode • 5: Charge ongoing • 6: Charge end request • 7: S2 relay open • 8: S2 relay close (back up) • 9: S2 relay open (back up) • 10: Not charge ongoing • 11: Inverter charge request
Charge connector lock status	—	Power switch ON	Displays charge connector lock feedback status <ul style="list-style-type: none"> • Unlock • Lock
Quick charge connector (CHAdEMO)	—	Power switch ON	Displays connection status of CHAdEMO quick charge connector

MONITOR ITEM	UNIT	CONDITION	Values/Status
			<ul style="list-style-type: none"> • Connect • No connect
GB/T connection detecting voltage (Quick charge)	V	Power switch ON	Displays voltage of GB/T charge connector (quick charge) lock detection line reference value: 4.8 V
CHAdEMO charger d1 switch	—	perform CHAdEMO quick charge	Displays CHAdEMO charger d1 switch (charge start/stop 2) status <ul style="list-style-type: none"> • ON • OFF
CHAdEMO charger d2 switch	—	perform CHAdEMO quick charge	Displays CHAdEMO charger d1 switch (charge start/stop 2) status <ul style="list-style-type: none"> • ON • OFF

Refer to [Fail-safe](#).

Sample

DTC Inspection Priority Chart

SIEMD-7196758

If multiple DTC are displayed at the same time, check them one by one based on the following priority table.

Priority	DTC	Detection items
1	P0000, P160C	Internal error
	P0504, P12A8, P1536	Brake switch
	P0530	A/C refrigerant pressure sensor A
	P0560	System voltage
	P0641	Sensor reference voltage A
	P0651	Sensor reference voltage B
	P0657	Actuator supply voltage B
	P0685	ECM power relay
	P0697	Sensor reference voltage C
	P0A7E, P172B, P172C, P172D	Battery pack pressure sensor
	P0AA6	High voltage battery voltage system isolation
	P0AE1, P0AE2	High voltage battery precharge contactor
	P0CA6	High voltage battery charging current
	P0D0A	Battery charge system positive contactor A
	P0D11	Battery charge system negative contactor A
	P1041	Front traction motor inverter
	P104B, P104C	Quick charge port temperature sensor
	P14C1	Stop lamp switch (BCM)
	P1526	Vehicle speed sensor
	P1564	ASCD switch