

## 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.

2016 Nissan Frontier Service and Repair Manual

Go to manual page

Signal name	всм	нғм	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RI I
Low tire pressure warning lamp signal	Т										R												
Low tire pressure wheel location signal	Т										R												
	T										R												
		T									R												
											R				T		T.						
Meter display signal											R R						T		T				
neter display signal											R								-	T			
											R												
											R												
											R												
Position light request signal	T					R															R		
Position light status signal	Т										R												
	Т					R		R		R		R											
Power switch ON signal	R					Т			R														
DEADY:												4											
READY signal  Rear washer pump	Т												-										
request signal	Т					R																	
Rear window defogger feedback signal	T		R																				
Remote climate control	T		R																				
request signal	R		D.																				
Remote climate control setting signal	T R		R										-										
Seat belt buckle switch	Т																						
(driver side) signal	T			R							R												
Seat belt buckle switch signal				T							R												
Signal											T										R		
	T										R												
Shift position signal	R								R	R	R	R	R		R				R	R	R	R	
Shipping mode status signal	Т										R												
Sleep wake up signal	T	R				R	R	R	R	R	R	R											
Stop lamp OFF request	Т																						
Stop lamp OFF request																							
signal Stop lamp ON status	Т										R												
Stop lamp switch	Т																						
malfunction signal  Stop lamp switch signal	Т												R		R								Ł
Timer A/C request	T														10								$\vdash$
signal			R																				
Timer A/C setting signal	R		R																				
TPMS malfunction warning lamp signal	Т										R												
TPMS status signal	Т										R												
Turn indicator signal	Т										R				R				R	R	R		
macutor signar															Т		R						
Vehicle status signal	Т							R	R	R		R											<u> </u>
Vehicle status signal	Т																						1
	T																						
Wake up request signal			R																				
Charge stop request signal		Т																					
Door lock/unlock signal	R	Т																					
_ 501 10010 uniock signal	R																						

Signal name	всм	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RE F
Intelligent Key operation signal	R	T																					
Key ID signal		T								R													Ĺ
Power switch signal	R	T																					
	R	Т																					
	R					T																	<u> </u>
	R										T												<u> </u>
	R									T													_
	R								T														-
Sleep-ready signal	R																						╄
	R R																						┾
	R																						╁
	R																						╁
	R											Т											-
	R							Т				-											<del>                                     </del>
User identification		Т													_								T
signal															4								<u> </u>
	R	T				T.						4				1							$\vdash$
	R					Т				т					1								+
Wake up signal	R R								Т	Т													1
wake up signai	R								1														+
	R											Т											+
	R							T															$\vdash$
A/C auto amp. climate control request signal			Т																				
A/C display signal			T																				
A/C ON signal			Т																				
Active gril shutter operation request signal			T											r									
Air conditioner state signal			Т																				igspace
Average electricity consumption signal			T								R												
Blower fan ON signal			T																				
Cooling fan speed request signal			T			R																	_
Deice request signal			Т																				
Electric compressor power consumption signal			T																				
Exterior temperature signal			Т																				
Front heated seat switch indicator signal			Т																				
Front ventilation seat switch indicator signal			Т																				
Front window defogger	R		T																				I
request signal			R																				
Intake sensor signal			T		R																		_
Rear heated seat switch indicator signal			T																				
Rear window defogger request signal	R		T																				
Timer A/C operation time signal	R		T																				L
Car crash information signal	R			Т																			
Occupant detection signal				Т							R												
Slight collision detection signal				Т																			
SRS air bag warning signal				Т							R												
12V battery warning request signal (IPDM E/R)						Т					R												

Signal name	всм	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RI F
12V battery warning request signal (VCM)											R												
Battery voltage signal						Т	R																
DC/DC drive request signal						Т																	
Front wiper status signal	R					Т																	
Front wiper stop position signal	R					Т																	
Headlamp (Hi) ON signal						T																	
Headlamp (Lo) ON signal						T																	
Headlamp warning signal						Т					R												
	R					T T									D								
Neutral position signal						T									R								
Power generation voltage request signal																							
Reverse position signal			D			Т					т			1	R			<u> </u>					
Ambient sensor signal			R								T	4											
Auto fold operation setting signal	R										Т												
Automatic back door setting signal									R		Т												
Brake fluid level switch signal											T												
Driver seat belt switch signal											Т				R								
e-Step mode memory setting signal											Т												
Intelligent trace control setting signal											Т												
Meter display setting signal											Т												
MOD setting signal											Т										R		
Reverse warning signal											T		R										
Setting signal Steering effort setting											T												
signal											Т												
System selection signal											T				R		R		R	R		R	
VDC setting signal											T T		R										
Vehicle speed signal											1		K		Т		R	R	R	R			
	R		R			R	R	R	R	R		R			R		R		R	R	R	R	
VSP warning lamp signal											R		Т										
Entry/exit assist operation request signal										Т		R											
Memory guidance display request signal										Т	R												
	R									Т													
recall signal	R									Т													
request signal	R									Т													
Steering position memory recall signal										Т		R											
Steering position memory request signal										Т		R											
Pack door open request	R								Т														
Brake fluid pressure control signal															Т								
															Т								
Brake torque request signal															_						Т		
- Samu															_								
									<u> </u>	L		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>		1	1	<u> </u>

Signal name	всм	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RI F
Brake wheel torque signal															Т								
BSW indicator dimmer signal															Т				R	R			
BSW indicator signal															T				R	R			
Display signal															Т		T				T		
Electric parking brake operation request signal															Т						Т		
FEB warning lamp signal											R				Т								
ICC operation signal															T								
Intelligent cruise control signal															Т								
ProPILOT operation signal															Т								
RAB warning lamp signal											R				Т								
RAB warning signal															Т						R		
Steering status signal													4		T R								
Stop lamp request signal	R														Т								
Target yaw moment signal	R										1				T								
Torque down request signal														7	Т								
Yaw moment request signal												Ę		÷	Т								
Doze warning signal															R	T							
Inattentive warning signal															R	Т							
Cyclist ahead signal															R		Т						
Detected lane condition signal															R		Т						
Forward pedestrian signal				-		$\overline{\Lambda}$									R		Т						
Forward vehicle signal					Ť										R		Т						
Free space detection signal															R R R		Т						Т
High beam assist request signal	R																Т						
Lane marker detection signal															R		Т						
Pedestrian ahead signal															R		T					<u>L</u>	İ
Sign detection signal															R		T						
Structure detection signal															R		Т						
Vehicle ahead signal															R		T						
Distance sensor signal															R R			Т	Т				
Vehicle detection signal															R R R					Т			Т
Brake fluid pressure command signal																					Т		
Camera image signal																					Т		
Electric parking brake status signal																					Т		
MOD setting status signal											R										Т		
ProPILOT Park status signal																					Т		
ProPILOT status signal	R														Т								

Signal name	ВСМ	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM T	SONAR	RD F
Sound output signal																					T		$\vdash$
Steering angle command signal																					Т		
Target shift position signal																					Т		
Traction motor torque request signal																					Т		
Turn indicator request signal	R																				Т		
View change signal																					T		
Object distance signal																					R	T	Ш
Parking sensor error signal											R											T	
Parking space signal																					R	T	Щ
Slop estimate permission signal																						T	
Sonar indicator signal											R				ъ. 4						R	T	Н
Sonar sensor signal															R			<u> </u>				T	$\dashv$
												4											$\vdash$
DTC signal																							
																							Щ
Front motor torque limit signal																							$\vdash$
High voltage input permit signal													₹										
HV battery capacity signal																							
HV battery cell voltage information signal											R												
HV battery chargeable/regeneratable power signal																							
HV battery charge completion signal																							
HV battery charge remaining low signal											R												
HV battery charge status signal											R												
HV battery condition signal																							
HV battery current signal																							
HV battery dischargeable power signal																							
HV battery interlock detection switch signal																							
HV battery module temperature signal																							
HV battery relay ON permit signal																							
HV battery SOC signal																							
HV battery SOH signal																							Ш
HV battery temperature signal																							
HV battery warning lamp request signal																							
HV battery water temperature signal			R																				
HV battery total voltage signal																							
HV sleep-ready signal																							
Insulation resistance signal																							
LBC temperature signal																							
Li-ion battery level signal																							Щ

The professor of regular distributions you excluded in the professor of th	Signal name	всм	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RE F
incompanies and and an activation securities stands and a continuous measurement stands and a continuo	Li-ion battery maximum chargeable power signal																							
consistence regular available province regular validate regular valida	Li-ion battery maximum temperature signal																							
residence of expension property control and analysis of the control analysis of the contro	Li-ion battery minimum temperature signal																							
Analyse motive signal conceiler and egipal conceile	Li-ion battery output available power signal																							
secrecion es es espesia  12 Valorany valuage 12 Secrecion proper 13 Secrecion proper 14 Secrecion proper 15 Secrecion proper 16 Secrecion proper 16 Secrecion proper 17 Secrecion proper 18 Secrecion proper 1	Outside vehicle battery charger mode signal																							
Displayers with groups of the control of the contro	Quick charge relay controller state signal																							
AC constituting prove management of the control of	12V battery voltage																							
rower signal  Self out on Spinal  Reference provided Reference product of the spinal Reference provided Reference product of the spinal Reference provided Reference provided Reference Product of the spinal Reference Product Refe	A/C maximum power consumption			R																				
ASSO Junios siguid  Sergo seasos siguid  R  Sergo seasos siguid  R  Sergo seasos siguid  R  R  R  R  R  R  R  R  R  R  R  R  R	A/C system permission power signal			R																				
ASCD states signal Charge year year year year year year year yea	Accelerator pedal position signal															R						R		
Charging reyre signal  Charging control displays good and reyere display and control of the cont	ASCD status signal											R												
Description proceed displays against a series of the control of th	Charge status signal			R																				$oxed{\Box}$
Excepting sound request signal constructions or signal	Charge type signal Charging power display											R												$\vdash$
acque sigual  Current spera position Guerrat spera position Again Current spera position Again Current spera position Again Current spera position Again Current spera position Again Again CDCD extervator CD	Charging sound request signal													R										
Coolant flow race signal  Current generation gingl Current representative concess signal  DCDC activation signal  R  Belies purposed signal  R  Distance to empty signal  R  DISTANCE (consumption signal  R  DECCTO peckel spain expansion  R  DECCTO peckel spain expansion  DEC	Coast deceleration torque signal																							
ingual Comes reginerative corpus signal Concess reg	Coolant flow rate signal													7										
corque signal  DCDCD cativation signal  DCDCD cativation request signal  DCDCD converter tectivation request signal  DCDCD converter tectivation request signal  DCDCD converter tectivation request signal  DCDC converter tectivation request signal  DCDC converter tectivation request signal  DCDC converter  R  R  DCDC converter R  R  R  R  R  R  R  R  R  R  R  R  R	Current gear position signal															R				R	R			
DCDC converter circivation request signal circivation request signal R R R R R R R R R R R R R R R R R R R	Current regenerative torque signal																							
cicivation respect signal  DeCDC drive  R  R  R  R  R  R  R  R  R  R  R  R  R	DC/DC activation signal																							
Delice permission signal Delice permission signal Delice permission signal Delice permission signal Distance to empty signal Sestep malfunction Isplays signal R R R R R R R R R R R R R R R R R R R	DC/DC converter activation request signal										\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \													
Distance to empty signal See paraffunction Isplay signal See per memory status signal See paraffunction R R R R R R R R R R R R R R R R R R R	DC/DC drive information signal						R																	$\vdash$
Step malfunction lisplay signal R R R R R R R R R R R R R R R R R R R	Deice permission signal			R																				_
Isisplav signal Series memory status signal R R R R R R R R R R R R R R R R R R R	Distance to empty signal											R												
signal R R R R R R R R R R R R R R R R R R R	e-Step malfunction display signal											R												
Separation   Sep	e-Step memory status signal											R												
ECO pedal guide signal  Electricity consumption ignal  Electric shift warning R  Electric shift	e-Step mode display signal											R												
Electric shift warning buzzer signal RR	e-Step status signal																							<u> </u>
Electric shift warning on puzzer signal R R R R R R R R R R R R R R R R R R R	-																						<u> </u>	-
Duzzer signal  Electric shift warning amp signal  Electric shift warning message signal  Electric shift warning message signal  EPS assist torque signal  Estimate drive torque signal  Estimate slop signal  Estimate slop signal  EV System warning amp request signal  EV system warning amp request signal  EV system warning signal  EV system warning signal  EV system warning signal  EV system warning signal  EV battery cooling start emperature signal  EN HV battery electric	signal																						-	$\vdash$
Electric shift warning message signal R R R R R R R R R R R R R R R R R R R	buzzer signal																						<u> </u>	$\vdash$
message signal  EPS assist torque signal  Estimate drive torque signal  Estimate slop signal  EVSE charge status signal  EV system warning amp request signal  EV system warning signal  R  HV battery cooling start temperature signal  HV battery electric	Electric shift warning lamp signal																							
Estimate drive torque signal	Electric shift warning message signal											R												_
Estimate slop signal	EPS assist torque signal																							
EVSE charge status signal R R R R R R R R R R R R R R R R R R R	Estimate drive torque signal																							
EV system warning amp request signal R R R R R R R R R R R R R R R R R R R	Estimate slop signal																							
lamp request signal R R R R R R R R R R R R R R R R R R R	EVSE charge status signal																							
HV battery cooling start temperature signal  HV battery electric	EV system warning lamp request signal											R												
remperature signal  HV battery electric	EV system warning signal				_							R												
HV battery electric	HV battery cooling start temperature signal			R																				
	HV battery electric water pump status signal																							

Signal name	ВСМ	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	R
HV battery relay status signal																							
HV battery temperature control permission power signal			R																				
HV sleep wake up signal																							
ICC permission signal															R								
Inverter (front) traction limitation signal																							
Inverter (front) operation command signal																							
Inverter (rear) traction limitation signal																							
Inverter (rear) operation command signal																							
Motor discharge request signal																							
Motor speed signal																					R		
Odometer signal																							
			R				R				R												+
Power limitation indicator lamp signal											R							r					
Power limitation warning signal											R												
Power meter signal											R												-
ProPILOT permission signal															R R								
Pulse signal OFF signal																							
READY condition signal	R	R					_				_												
READY status signal	_											P			R								l
READY to drive indicator lamp request signal											R												
Refrigerant pressure signal			R																				
Regenerative torque command signal				(																			Ī
Regeneration distance signal											R						_						
Regenerative possible torque signal																							I
Remaining time to charge completion signal											R												
Request drive torque signal																							
Safety torque signal																							Ť
Shift P range request display signal											R												Ī
Shift refuse buzzer signal											R												
Steering switch signal															R								İ
System cut off signal																							ļ
Target rear motor torque signal																							
Target regenerative torque signal																							
Target front motor torque signal					_																		
Total mileage signal																							İ
Traction motor status signal																							
Traction motor torque signal	_																						
Target DC/DC converter output signal																							Ì
VCM control signal																							ļ
VCM malfunction																							

Signal name	ВСМ	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RI F
VCM status signal	R																				R		
Vehicle life total time signal																							
Vehicle speed display signal											R												
Vibration control switching signal																							
Coolant temperature sensor signal																							
Front motor speed signal																							
Front traction motor temperature signal																							
Input high voltage signal																							
Inverter (front) output available torque signal																							
Motor discharge status signal																							
Inverter (rear) output																							
available torque signal																							
Rear motor speed signal  Rear motor torque limit											-				-	K	7						
signal  Rear traction motor																							
temperature signal																							
EVSE connecting signal																							
HV battery chargeable power signal										4													
Maximum charge power signal																							
DC/DC input voltage signal																							
DC/DC output current signal											"												
DC/DC Status signal																							
Automatic brake hold indicator lamp signal						Ì					R												
Automatic brake hold operation request signal																							
Automatic brake hold release request signal					7		Ų																
Chassis control module control signal																					R		
Chassis control module malfunction signal											R												
Chassis control signal																							
Coast limit torque signal											D				P								<u> </u>
Drive mode signal  Electric parking brake				_							R				R								
release request signal  Intelligent trace control																							
signal															R								
Steering angle sensor malfunction signal															R								
															Т			R					
Steering angle sensor															R						T		
signal															R		R				R		
Steering angle speed															R						R		
signal Stop lamp ON request															R								
signal  Brake assist request																							<u> </u>
signal																							
Brake power supply backup operation request signal																							
Brake power supply backup operation signal																							

Signal name	ВСМ	HFM	HVAC	A- BAG	HPCU	IPDM- E	ANC	PSCU	PWBD	ADP	M&A	SC CM	VSP	LIB 12V	ICC 2	DM CAM	LANE	LASER	RDR- RL	RDR- RR	AVM	SONAR	RD F
Brake system warning lamp ON request signal																							
Brake system warning											R												
lamp signal											R												╄
Brake warning lamp ON request signal											-												<u>_</u>
Brake warning lamp signal											R R												L
Electrically-driven intelligent brake control																							
signal																							<u> </u>
Stroke sensor signal																							$\vdash$
Target brake force signal																							
Battery current signal																							<u> </u>
EPS status signal																					R		₩
EPS torque signal  Power steering warning																							+
lamp signal											R												igspace
Steering torque signal															R						R		╀
Steering angle sensor failure signal															R								
ABS actuator and electric unit (control unit) control signal																							
ABS malfunction signal															R								1
ABS operation signal											M				R								
ABS warning lamp signal											R				R								
Brake fluid pressure signal															R								
Brake force signal																							<del>                                     </del>
Brake hold status signal																							
Brake torque signal																							<u> </u>
Deceleration control permission status signal																							
Decel G sensor signal									7														
Driver brake operation signal																					R		
Driver brake signal																							<del>                                     </del>
Electric parking brake malfunction signal																							
Electric parking brake operation signal (switch)															R						R		
Electric parking brake operation status signal																							
Electric parking brake warning lamp signal											R												
ESS request signal	R																						
Front LH wheel speed signal																					R		
Front RH wheel speed signal																					R		
Rear LH wheel speed signal																					R		
Rear RH wheel speed signal																					R		
Regenerative brake signal																							
Regenerative cooperative executable torque signal																							
Regenerative request torque signal																							
Side G sensor signal															R								t
TCS malfunction signal															R								
TCS operation signal															R								
VDC accept permission signal																							
VDC malfunction signal															R						R		
																							-