

# NMEA 2000® Parameter Group Numbers

## BF40D ~ BF100A Outboard Motors



Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver. 1.21 See beginning serial numbers below.		BF40D BF50D	BF60A	BF75D BF90D	BF100A
PGN List	PGN Title/Name	ZZ5	ZZ3	ZY9	ZZ0
PGN:059392	ISO Acknowledgment	o	o	o	o
PGN:059904	ISO Request	o	o	o	o
PGN:060928	ISO Address Claim	o	o	o	o
PGN:026996	Product Information	o	o	o	o
PGN:127488	Engine Parameter, Rapid Update				
	Engine Speed	o	o	o	o
	Engine Boost Pressure	o	o	o	o
	Engine Tilt/Trim	o	o	o	o
PGN:127489	Engine Parameter, Dynamic				
	Engine Temp	o	o	o	o
	Alternator Potential	o	o	o	o
	Fuel Rate	o	o	o	o
	Total Engine Hours	o	o	o	o
	Engine Discrete Status 1:				
	Check Engine	o	o	o	o
	Over Temperature	o	o	o	o
	Low Oil Pressure	o	o	o	o
	Water in Fuel	x	x	o	o
	Charge Indicator	o	o	o	o
	Rev Limit Exceeded	o	o	o	o
	Engine Emergency Stop Mode	o	o	o	o
	Engine Discrete Status 2:				
	Warning Level 1:				
	Over Temperature	o	o	o	o
	Low Oil Pressure	o	o	o	o
	Warning Level 2:				
	Check Engine	o	o	o	o
	Charge Indicator	o	o	o	o
	Water in Fuel	x	x	o	o
	Power Reduction:				
	Over Temperature	o	o	o	o
	Low Oil Pressure	o	o	o	o
	Maintenance needed	o	o	o	o
PGN:127493	Transmission Parameter, Dynamic				
	Transmission Gear <Neutral Only>	o	o	o	o
PGN:127498	Engine Parameters, Static				
	Rated Engine Speed	o	o	o	o
PGN:65280	Honda Engine status Parameters, Dynamic				
	Lean-Burn Operation <ECO symbol ON>	o	o	o	o
	Trolling Operation	x	x	x	x
PGN:65284	Display Communication Status				
	Throttle only mode	x	x	x	x
	Second Station system status	x	x	x	x
PGN:130816	Honda Outboard Sensor Warning Message				
	Engine Diagnosis Status 1	o	o	o	o
	Engine Diagnosis Status 2	o	o	o	o
	Engine Diagnosis Status 3	x	x	x	x
	Engine Diagnosis Status 4	x	x	x	x
	Engine Frame Number	x	x	x	x

x = Does not provide o = Does provide

### Beginning Serial Numbers

Model	Standard Rotation Types	Counter-Rotation Types
BF40D	BBDJ-1000010 ~ Forward	N/A
BF50D	BBEJ-1000042 ~ Forward	N/A
BF60A	BBFJ-1000050 ~ Forward	N/A
BFP60A	BBFJ-8000007 ~ Forward	N/A
BF75DK3	BBAJ-1200001 ~ Forward	N/A
BF75DK4	BBAJ-1300001 ~ Forward	N/A
BF90DK4	BBCJ-1300001 ~ Forward	N/A
BF90DK5	BBCJ-1400001 ~ Forward	N/A
BF100A	BBMJ-1100001 ~ Forward	N/A

# NMEA 2000® Parameter Group Numbers

## BF115D ~ BF150D Outboard Motors



Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver. 2.1 See beginning serial numbers below.		BF115D BF135D BF140D BF150D	BF115D BF135D BF140D BF150D
PGN List	PGN Title/Name	ZY6M (DBW)	ZY6M (Mechanical)
PGN:059392	ISO Acknowledgment	o	o
PGN:059904	ISO Request	o	o
PGN:060928	ISO Address Claim	o	o
PGN:026996	Product Information	o	o
PGN:60416	ISO Transport Protocol, Conn. Mgmt - RTS group function	o	o
PGN:60160	ISO Transport Protocol, Data Transfer	o	o
PGN:126208	Request group function	o	o
PGN:126464	Received / Transmitted PGNs group function	o	o
PGN:126993	Received / Transmitted PGNs group function	o	o
PGN:126998	Configuration Information	o	o
PGN:127488	Engine Parameter, Rapid Update		
	Engine Speed	o	o
	Engine Boost Pressure	o	o
	Engine Tilt/Trim	o	o
PGN:127489	Engine Parameter, Dynamic		
	Engine Temp	o	o
	Alternator Potential	o	o
	Fuel Rate	o	o
	Total Engine Hours	o	o
	Engine Discrete Status 1:		
	Check Engine	o	o
	Over Temperature	o	o
	Low Oil Pressure	o	o
	Water in Fuel	o	o
	Charge Indicator	o	o
	Rev Limit Exceeded	o	o
	Engine Emergency Stop Mode	o	o
	Engine Discrete Status 2:		
	Warning Level 1:		
	Over Temperature	o	o
	Low Oil Pressure	o	o
	Warning Level 2:		
	Check Engine	o	o
	Charge Indicator	o	o
	Water in Fuel	o	o
	Power Reduction:		
	Over Temperature	o	o
	Low Oil Pressure	o	o
	Maintenance needed	o	o
PGN:127493	Transmission Parameter, Dynamic		
	Transmission Gear	o	o (N only)
PGN:127498	Engine Parameters, Static		
	Rated Engine Speed	o	o
PGN:65280	Honda Engine status Parameters, Dynamic		
	Lean-Burn Operation <ECO symbol ON>	o	o
	Trolling Operation	o	o
PGN:65284	Display Communication Status		
	Throttle only mode	o	x
	Second Station system status	o	x
PGN:130816	Honda Outboard Sensor Warning Message		
	Engine Diagnosis Status 1	o	o
	Engine Diagnosis Status 2	o	o
	Engine Diagnosis Status 3	o	x
	Engine Diagnosis Status 4	o	x
	Engine Frame Number	o	o

x = Does not provide o = Does provide

Beginning Serial Numbers

Model	Standard Rotation Types	Counter-Rotation Types
BF115D	BBWJ-1000001 - Forward	BBWJ-8000001 - Forward
BF135D	BBVJ-1000001 - Forward	BBVJ-8000001 - Forward
BF140D	BBUJ-1000001 - Forward	BBUJ-8000001 - Forward
BF150D	BBTJ-1000001 - Forward	BBTJ-8000001 - Forward

# NMEA 2000® Parameter Group Numbers

## BF115D ~ BF250A Outboard Motors



Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver. 1.21 See beginning serial numbers below.		BF115D BF135A BF150A	BF200A BF225A	BF250A
PGN List	PGN Title/Name	ZY6	ZY3	ZX2
PGN:059392	ISO Acknowledgment	o	o	o
PGN:059904	ISO Request	o	o	o
PGN:060928	ISO Address Claim	o	o	o
PGN:026996	Product Information	o	o	o
PGN:127488	Engine Parameter, Rapid Update			
	Engine Speed	o	o	o
	Engine Boost Pressure	o	o	o
	Engine Tilt/Trim	o	o	o
PGN:127489	Engine Parameter, Dynamic			
	Engine Temp	o	o	o
	Alternator Potential	o	o	o
	Fuel Rate	o	o	o
	Total Engine Hours	o	o	o
	Engine Discrete Status 1:			
	Check Engine	o	o	o
	Over Temperature	o	o	o
	Low Oil Pressure	o	o	o
	Water in Fuel	o	o	o
	Charge Indicator	o	o	o
	Rev Limit Exceeded	o	o	o
	Engine Emergency Stop Mode	o	o	o
	Engine Discrete Status 2:			
	Warning Level 1:			
	Over Temperature	o	o	o
	Low Oil Pressure	o	o	o
	Warning Level 2:			
	Check Engine	o	o	o
	Charge Indicator	o	o	o
	Water in Fuel	o	o	o
	Power Reduction:			
	Over Temperature	o	o	o
	Low Oil Pressure	o	o	o
Maintenance needed	o	o	o	
PGN:127493	Transmission Parameter, Dynamic			
	Transmission Gear <Neutral Only>	o	o	o
PGN:127498	Engine Parameters, Static			
	Rated Engine Speed	o	o	o
PGN:65280	Honda Engine status Parameters, Dynamic			
	Lean-Burn Operation <ECO symbol ON>	o	o	o

x = Does not provide o = Does provide

Beginning Serial Numbers

Model	Standard Rotation Types	Counter-Rotation Types
BF115D	BBHJ-1000000 ~ Forward	BBHJ-8000001 ~ Forward
BF135A	BARJ-1301771 ~ Forward	BASJ-1300175 ~ Forward
BF150A	BANJ-1304171 ~ Forward	BAPJ-1300650 ~ Forward
BF200A	BAEJ-1600002 ~ Forward	BAFJ-1600001 ~ Forward
BF225A	BAGJ-1600012 ~ Forward	BAHJ-1600003 ~ Forward
BF250A	BBJJ-1000001 ~ Forward	BBJJ-8000001 ~ Forward

# NMEA 2000® Parameter Group Numbers

## BF200D ~ BF250D Outboard Motors



Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver. 2.1 See beginning serial numbers below.		BF200D BF225D BF250D	BF200D BF225D BF250D
PGN List	PGN Title/Name	ZVL (DBW)	ZVL (Mechanical)
PGN:059392	ISO Acknowledgment	o	o
PGN:059904	ISO Request	o	o
PGN:060928	ISO Address Claim	o	o
PGN:026996	Product Information	o	o
PGN:127488	Engine Parameter, Rapid Update		
	Engine Speed	o	o
	Engine Boost Pressure	o	o
	Engine Tilt/Trim	o	o
PGN:127489	Engine Parameter, Dynamic		
	Engine Temp	o	o
	Alternator Potential	o	o
	Fuel Rate	o	o
	Total Engine Hours	o	o
	Engine Discrete Status 1:		
	Check Engine	o	o
	Over Temperature	o	o
	Low Oil Pressure	o	o
	Water in Fuel	o	o
	Charge Indicator	o	o
	Rev Limit Exceeded	o	o
	Engine Emergency Stop Mode	o	o
	Engine Discrete Status 2:		
	Warning Level 1:		
	Over Temperature	o	o
	Low Oil Pressure	o	o
	Warning Level 2:		
	Check Engine	o	o
	Charge Indicator	o	o
	Water in Fuel	o	o
	Power Reduction:		
	Over Temperature	o	o
	Low Oil Pressure	o	o
Maintenance needed	o	o	
PGN:127493	Transmission Parameter, Dynamic		
	Transmission Gear	o	o (N only)
PGN:127498	Engine Parameters, Static		
	Rated Engine Speed	o	o
PGN:65280	Honda Engine status Parameters, Dynamic		
	Lean-Burn Operation <ECO symbol ON>	o	o
	Trolling Operation	o	x
PGN:65284	Display Communication Status		
	Throttle only mode	o	x
	Second Station system status	o	x
PGN:130816	Honda Outboard Sensor Warning Message		
	Engine Diagnosis Status 1	o	o
	Engine Diagnosis Status 2	o	o
	Engine Diagnosis Status 3	o	x
	Engine Diagnosis Status 4	o	x
	Engine Frame Number	x	x

x = Does not provide o = Does provide

Beginning Serial Numbers

Model	Standard Rotation Types	Counter-Rotation Types
BF200D	BBRJ-1000001 - Forward	N/A
BF225D	BBPJ-1000001 - Forward	BBPJ-8000001 - Forward
BF250D	BBNJ-1000001 - Forward	BBNJ-8000001 - Forward

# NMEA 2000® Parameter Group Numbers

## BF350A Outboard Motor



Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver. 2.1 See beginning serial numbers below.		BF350A
PGN List	PGN Title/Name	ZVP
PGN:059392	ISO Acknowledgment	o
PGN:059904	ISO Request	o
PGN:060928	ISO Address Claim	o
PGN:126208	Request group function	o
PGN:126464	Received / Transmitted PGN group function	o
PGN:126993	Heartbeat	o
PGN:126996	Product Information	o
PGN:126998	Configuration Information	o
PGN:127488	Engine Parameter, Rapid Update	
	Engine Speed	o
	Engine Boost Pressure	o
	Engine Tilt/Trim	o
PGN:127489	Engine Parameter, Dynamic	
	Engine Temp	o
	Alternator Potential	o
	Fuel Rate	o
	Total Engine Hours	o
	Engine Discrete Status 1:	
	Check Engine	o
	Over Temperature	o
	Low Oil Pressure	o
	Water in Fuel	o
	Charge Indicator	o
	Rev Limit Exceeded	o
	Engine Emergency Stop Mode	o
	Engine Discrete Status 2:	
	Warning Level 1:	
	Over Temperature	o
	Low Oil Pressure	o
	Warning Level 2:	
	Check Engine	o
	Charge Indicator	o
	Power Reduction:	
	Over Temperature	o
	Low Oil Pressure	o
	Maintenance needed	o
PGN:127493	Transmission Parameter, Dynamic	
	Transmission Gear (F,N,R)	o
PGN:127498	Engine Parameters, Static	
	Rated Engine Speed	o
PGN:130826	Honda Outboard Sensor Warning Message	
	Engine Diagnosis Status 1	o
	Engine Diagnosis Status 2	o
	Engine Diagnosis Status 3	o
	Engine Diagnosis Status 4	o
	Engine Frame Number	x
PGN:60160	ISO Transport Protocol, Data Transfer	o
PGN:60416	ISO Transport Protocol, Connection Management - RTS group function	o
PGN:65280	Honda Engine status Parameters, Dynamic	
	Lean-Burn Operation <ECO symbol ON>	o
	Trolling Operation, Trolling speed control display	o
PGN:65284	Display Communication Status	
	Throttle only mode, fast idle display	o
	Second Station system status, remote control system error display	o

o = Does provide  
x = Does not provide

### Beginning Serial Numbers

Model	Standard Rotation Types	Counter-Rotation Types
BF350A	BBYJ-1000001 - Forward	BBYJ-8000001 - Forward