

# NMEA 2000® Parameter Group Numbers



## BF40D ~ BF90D Outboard Motors

Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver1.21 See beginning serial numbers below		BF40D BF50D	BF60A	BF75D BF90D
PGN list	PGN Title/Name	ZZ5	ZZ3	ZY9
PGN:059392	ISO Acknowledgement	o	o	o
PGN:059904	ISO Request	o	o	o
PGN:060928	ISO Address Claim	o	o	o
PGN:126996	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	x	x	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	x	x	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
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
BF90DK4	BBCJ-1300001 ~ Forward	N/A

## BF115D ~ BF250A Outboard Motors

NMEA 2000® Parameter Group Numbers and description for applicable Honda marine engines.

NMEA 2000® Database Ver1.21 See beginning serial numbers below		BF115D BF135A BF150A	BF200A BF225A	BF250A
PGN list	PGN Title/Name	ZY6	ZY3	ZX2
PGN:059392	ISO Acknowledgement	o	o	o
PGN:059904	ISO Request	o	o	o
PGN:060928	ISO Address Claim	o	o	o
PGN:126996	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-1000001 ~ 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