



Honda[®] Engine Connection for NMEA 2000[®] Messages

Many Honda outboard engines have the ability to output engine data to a NMEA 2000[®] network. This output from the engine can be displayed on Navico Multi-Function Displays such as the Lowrance HDS, Lowrance LMF-200 and 400 gauges, the Simrad NSS/NSE/NSO or the B&G Zeus. The vessel must be equipped with an existing or new NMEA 2000[®] network as pictured below.



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Honda	40 +
RPM	✓
Alternator Voltage	✓
Alarm - Check Engine	✓
Alarm -High Engine Temp	✓
Alarm- Low oil pressure	✓
Alarm- Low system voltage	✓
Alarm- Water in fuel (225 only)	✓
Fuel Rate	✓
Engine Hours	✓
Engine Temperature	✓
Engine Hours	✓
Fuel Management (w/EP-85R and	✓
speed source)	
Transmission position (neutral only)	✓

Engine C	onnections		
Connect to the factory harness located under the			
engine c	owling using the Hond	a (06328 ZZ3 760HE)	
engine ir	nterface cable. See you	ır Honda dealer for	
exact loc	exact location.		
Honda E	ngines Available with	NMEA Output	
Model	Standard Rotation	Counter Rotation	
BF40 D	BBDJ 1000010 -	N/A	
	FORWARD		
BF50 D	BBEJ 1000042 -	N/A	
	FORWARD		
BF60 D	BBFJ 1000050 -	N/A	
	FORWARD		
BFP60	BBFJ 8000007 -	N/A	
А	FORWARD		
BF115	BBHJ 1000001 -	N/A	
D	FORWARD		
BF135	BARJ 1301771 -	BASJ 1300175 -	
А	FORWARD	FORWARD	
BF 150	BANJ 1304171 -	BAPJ 1300650 -	
А	FORWARD	FORWARD	
BF200	BAEJ 1600002 -	BAFJ 1600001 -	
AK1	FORWARD	FORWARD	
BF225	BAGJ 1600012 -	BAHJ 1600003 -	
AK1	FORWARD	FORWARD	

MFD Setup

After the physical connections have been made the user can now setup the unit to display the engine data. On HDS perform the following steps:

- 1) Vessel Setup: Press the Menu key twice to access the system menu, select the Fuel menu then Vessel Setup...and press Enter. (Figure 1.A)
 - a. Change the Vessel Setup to match the Engine/Tank configuration of the vessel. (Figure 1.B)
 - b. Set the Tank Size. (Figure 1.C)
 - c. Select Save to retain these settings.



issel Setup				
	Vessel configuration Tank Sizes (gal) Center	2 Engines / 1 1 Engine / 1 1 Engine / 2 2 Engines / 1 2 Engines / 2 3 Engines / 1 3 Engines / 3	Tank Tank Tanks Tanks Tanks Tanks Tanks Tanks	
	Engines	brate		
			Save	Cancel
Figure 1	.В			

vessel Setup			
	Vessel configuration 2 Engines / Tank Sizes (gal)	1 Tank •	
	Center	0060.0	
	Engines		
	Calibrate		
		Cana	
		Save	:

Figure 1.A

Figure 1.C

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NMEA 2000[®] Information

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- 2) With the Engine powered on Confirm that it shows up in the device list.
 - a. Press the Menu key twice to access the system menu, select the Network menu then Device List and press Enter. (Figure 2.A)
 - i. You should now see your engine listed along with any other devices that are connected to your network.
 - b. From the Device List you can highlight the Engine and press enter to see and the Data that is available from the Engine.
 - i. Scroll to the Data tab and press Enter.
- 3) Confirm that the data sources are set for the Engine.
 - a. Press the Menu key twice to access the system menu,

select the Network menu then Data Sources and press Enter. (Figure 3.A)

- i. From here select Engine and press Enter.
- ii. Auto Configure the Network. In most cases this will set the data sources to the correct location.
 - If the engine instances are not set by Honda then you may need to manually select the engine you wish to set (Port/Center/Starboard) and press Enter.
 - 2. From here you can manually set the data source for all engine related information.
- 4) Now Data overlays and the Info gauge screen can be set up.
 - a. Reference the manual for your MFD to set overlays and edit the gauge screen.

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Figure 2.A

Device List	
Model ID	Serial No.
EP-85R: Storage Device	9000
EVINRUDE V-ETEC EMM PORT (Center)	123
FC40 Flux compass	000387#
HDS-10 MFD CONSOLE	This device
HDS-10 Navigator CONSOLE	This device
HDS-10 Sonar CONSOLE	This device
HDS-10 iGPS CONSOLE	This device
HDS-7 MFD BOW	3256361652
HDS-7 Navigator BOW	3256361652
HDS-7 Sonar BOW	3256361652
HDS-7 igps bow	3256361652
LGC-2000	844201
LMF-200 Lowrance	354437
Detaile Defeeth Sort	Class
Details Refresh Model ID	Close

Figure 3.A