I-Command Digital™

EVINRUDE | **BRP**
Johnson.
GENUINE PARTS

Network Components

I-Command uses NMEA 2000® CAN Bus technology, which shares information between different electronic devices connected to an electrical network on your boat. CAN Bus, a Controller Area Network pathway, allows multiple components to communicate with each other via a central network. The network lets I-Command communicate with other boat instruments, displays, and accessory functions. It also collects and manages information from the Evinrude® E-TEC® outboard through a central processing unit within each gauge, and then displays that information.

3.5-inch I-Command Multi-Function Gauge (above) Showing Sample Analog Engine RPM & Volts

2-inch I-Command Gauge Showing Sample Fuel Level

2-inch and 3.5-inch Multi-Function I-Command Digital Gauge Kits offer more ways to communicate with your engine than ever before. You decide how to view displays. Choose from features like analog or digital readouts. Choose single, dual or quad displays – one gauge does it all. It's up to you.

 I-Command is designed to enhance the engine monitoring capabilities. Plug and Play connections create a clean, simple, and reliable network that is expandable to meet your needs. Plug and Play connections are compliant to the DeviceNet Micro C Standard.

I-Command Applications

2006 and newer — Evinrude® E-TEC®115 HP to 300 HP

2008 and newer — Evinrude® E-TEC® 40 HP to 90 HP*

(will not support trim display)

P/N	Description
764177	2-inch I-Command Multi-Function Gauge (actual hole size is 2 1/8-in. dia.)
764175	3.5-inch I-Command Multi-Function Gauge (actual hole size is 3 3/8-in. dia.)

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I-Command Digital Functions

Operating Features	Display Type		Notes
	Analog	Digital	
RPM	●	●	
Multi Engine RPM Synchronization	●	●	Multi engines only-twin or triple
GPS Speed	●	●	Requires accessory GPS antenna
GPS Position Longitude and Latitude		●	Requires accessory GPS antenna
Battery Voltage	●	●	
Alternator Voltage	●	●	
Engine Temperature	●	●	
Engine Water Pressure	●	●	Requires accessory water pressure sensor
Engine Load — % of throttle		●	
Atmospheric Pressure	●	●	
Engine Trim	●		
Engine Hours		●	
Instant Fuel Flow		●	
Engine Status/Fault		●	
Fuel Level — Up to Three Tanks	●		Requires one signal converter per tank
Fuel Economy — MPG	●	●	Requires accessory GPS antenna
Fuel Remaining	●	●	
Fuel Range — Miles to Empty		●	Requires accessory GPS antenna
Seasonal Fuel Totalizer		●	Requires Memory Module
Trip Fuel		●	Requires Memory Module
Programmable Audio/Visual Low Fuel Warning	●	●	
Oil Level — Up to Three Tanks	●		Requires one accessory kit per tank
Seawater/Livewell Temp. — Up to 3 Locations	●	●	Requires accessory temp sender or triducer
Depth		●	Requires NMEA Triducer or transducer accessory
Pop Up RPM	●	●	
Pop Up Trim	●		

OTHER FEATURES: Fuel Level Calibration - Optional calibration of tank sender: 2, 3, or 5 point Display in English or Metric Units - Pressure, Temperature, Depth, Speed.

NOTE: All data, unless otherwise noted, is provided by the Evinrude® E-TEC® EMM.

Accessory and Replacement Bezels for I-Command Gauges

Change the look of I-Command instruments with Chrome, Gold or White bezels. Simply remove the standard black bezel and snap on the accessory colored bezel.

P/N 764010   P/N 764012   P/N 764641

P/N 764011   P/N 764013   P/N 764640

P/N	Description	Bezel Color	Fits Gauge Size
764010	I-Command Digital Bezel	Gold	2-inch
764011	I-Command Digital Bezel	Gold	3.5-inch
764012	I-Command Digital Bezel	White	2-inch
764013	I-Command Digital Bezel	White	3.5-inch
764640	I-Command Digital Bezel	Chrome	3.5-inch
764641	I-Command Digital Bezel	Chrome	2-inch
764594	I-Command Digital Bezel	Black*	2-inch
764595	I-Command Digital Bezel	Black*	3.5-inch

*Standard color included with gauge kits

Accessory Rims for I-Command Gauges

Add a custom touch to the Evinrude I-Command instruments with these great looking colored gauge rims. Each rim is powercoated for durability and a superior high gloss finish. Available in 7 colors and in the standard 3 3/8 and 2 1/8 gauge hole sizes. The color selection is sure to make I-Command and your dashboard stand out and be noticed. Can also be used with analog gauges.

P/N	Description	Rim Color	Fits Gauge Size
764256	2 1/8 inch Gauge Rim	Blue	2-inch
764257	3 3/8 inch Gauge Rim	Blue	3.5-inch
764258	2 1/8 inch Gauge Rim	Red	2-inch
764259	3 3/8 inch Gauge Rim	Red	3.5-inch
764260	2 1/8 inch Gauge Rim	Black	2-inch
764261	3 3/8 inch Gauge Rim	Black	3.5-inch
764262	2 1/8 inch Gauge Rim	White	2-inch
764263	3 3/8 inch Gauge Rim	White	3.5-inch
764264	2 1/8 inch Gauge Rim	Gold	2-inch
764265	3 3/8 inch Gauge Rim	Gold	3.5-inch
764266	2 1/8 inch Gauge Rim	Chrome	2-inch
764267	3 3/8 inch Gauge Rim	Chrome	3.5-inch
764268	2 1/8 inch Gauge Rim	Platinum	2-inch
764269	3 3/8 inch Gauge Rim	Platinum	3.5-inch

EMM Harness

Includes a Harness and a Tee to link the Evinrude E-TEC EMM to the NMEA network. One EMM Harness required *per engine* on the network.

P/N	Description	Length	Includes
764164	EMM Harness Kit	15 feet	One Network Tee

Power Supply Kit for Single and Multi-Engines

Provides 12 volt switched power to the NMEA 2000 network. One Power Supply Kit required per vessel. Select appropriate single or multi-engine power supply kit.

P/N 764159

P/N 764157

P/N	Description	Application	Includes
764157	Power Supply Kit	Single Engine*	One Network Tee
764159	Power Supply Kit	Multi-Engine	One Network Tee

*Not recommended for multiple engine applications

Terminator Kit

Terminates the NMEA signal at each end of the NMEA 2000 network. Includes one female and one male terminator. One Terminator Kit required per vessel.

P/N 764155

P/N	Description
764155	Terminator Kit (includes 1 male and 1 female terminator)

Network Bus Cable - Extension Harness

Used to extend the harness between the engine and the helm of the vessel, or as an extension to a NMEA 2000 device harness. One Network Bus Cable is required, per vessel, to run from the transom to the helm.

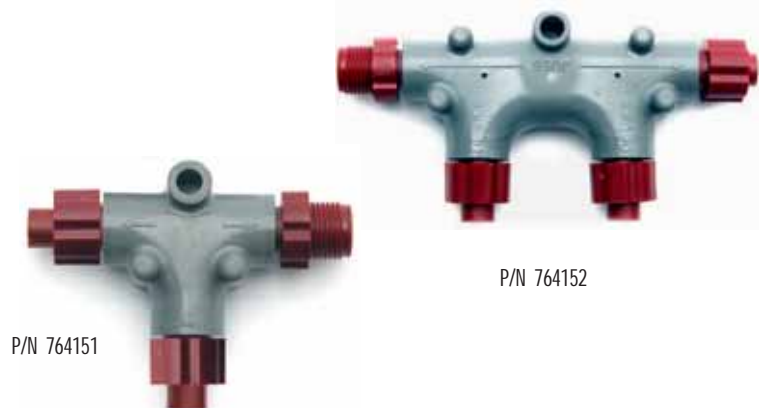| P/N	Description	Length
764160	Network Bus Cable	1 foot
764161	Network Bus Cable	6 feet
764162	Network Bus Cable	15 feet
764163	Network Bus Cable	25 feet

Fuel Level Converter Kit

Converts analog fuel level sender signal to a NMEA 2000 fuel level signal.

Instance 0 is used in a single fuel tank application or as tank 1 in a multi-fuel tank application. Instance 1 is used as tank 2 in a multi-fuel tank application. The unconfigured converter can be programmed to the desired tank instance and fluid type. All Fuel Level Converter Kits include one Network Tee.

P/N	Description	Configuration	Includes
764168	Fuel Level Converter Kit	Instance 0 (Tank 1)	One Network Tee
764170	Fuel Level Converter Kit	Instance 1 (Tank 2)	One Network Tee
764166	Fluid Level Converter Kit	Unconfigured	One Network Tee

Network Tees - Single and Double

Used for adding NMEA 2000 devices to the network Single network tees are included with all kits. Order individual tees for adding devices not sold in kits or for service replacement of an existing network tee. Order double tees for adding multiple devices not sold in kits, or as a space-saving device where multiple NMEA 2000 devices are added to the network.

P/N 764152

P/N 764151

P/N	Description	Application
764151	Tee - Single	One required per device added
764152	Tee - Double	Accessory item only

Oil Level Converter Kits

Used to convert analog oil level sender signal to an NMEA 2000 oil level signal. Available for 1.8 gallon, 3.0 gallon or 10 gallon oil tanks as well as for single, dual or triple engine applications. An unconfigured Converter Kit is also available. All Oil Level Converter Kits include Network Tees.

The Oil Level Converter Kit includes the Converter Cable, a Oil Level Sensor and Network Tees.

P/N	Description	Tank Capacity	Application	Includes
764271	Oil Level Converter Kit	1.8 gallons	Single Engine	One Network Tee
764272	Oil Level Converter Kit	3.0 gallons	Single Engine	One Network Tee
764273	Oil Level Converter Kit	1.8 gallons	Dual Engine	Two Network Tees
764274	Oil Level Converter Kit	3.0 gallons	Dual Engine	Two Network Tees
764275	Oil Level Converter Kit	3.0 gallons	Triple Engine	Three Network Tees
763737	Oil Level Converter Kit	10.0 gallons	Single or Multi-Engine	One Network Tee
764166	Fluid Level Converter Kit	Unconfigured	Unconfigured	One Network Tee

Fluid Level Converter Kit - Unconfigured

Converts analog fluid level sender signal to an NMEA 2000 fluid level signal. Can be programmed to the desired tank instance and fluid type. System is capable of maximum 3 fluid types per configuration. Fluid tank must have a standard 33-240 OHM sending unit installed. Available fluid configurations are: fuel, oil, freshwater, wastewater, blackwater and livewell.

P/N	Description	Application	Includes
764166	Fluid Level Converter Kit	Unconfigured	One Network Tee

Water Pressure Sensor Kits

Required to view water pressure on I-Command instruments.

NMEA 2000 Water Pressure Sensor works with outboards 40-300 HP. Includes one Network Tee. Can also be configured to provide speed over water when connected to a standard transom mount pitot tube or engine gearcase pitot tube.

P/N 764195

P/N	Description	Application	Includes
764195	Water Pressure Sensor Kit	12-13-V4-V6/40 to 300 HP	One Network Tee

Speed/Fuel Economy Kit

Provides the functionality of the GPS Antenna Kit with Quick Mount and the Memory Module Kit in an easy-to-order package. Includes two Network Tees.

P/N	Description	Includes
764315	Speed/Fuel Economy Kit	Two Network Tees

GPS Antenna Kit with Quick Mount

Required to view GPS speed over ground (SOG), longitude and latitude and to view fuel economy MPG. Includes Quick Mount Kit and one Network Tee.

P/N	Description	Lead Length	Includes
764179	GPS Antenna Kit	12 inches	One Network Tee

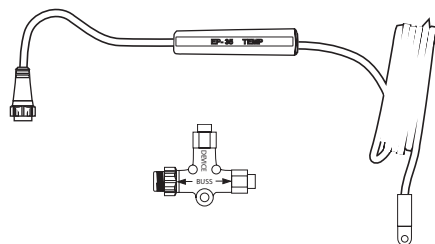P/N 764179

Memory Module Kit

Use to provide calculations of seasonal fuel totalizer and multiple trips fuel used. Also can be assigned as the main or supplemental device to calculate the most precise remaining fuel volumes.

P/N	Description	Lead Length	Includes
764181	Memory Module Kit	18 inches	One Network Tee

P/N 764181

Temperature Kit

Measures fluid, air or mechanical temperatures.

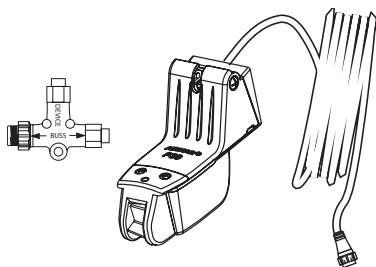| P/N	Description	Lead Length
764183	Temperature Kit (Fluid, Air, Mechanical)	12 feet

The Temperature Kit (left) includes a 12 ft. lead and one Network Tee. P/N 764183

Paddle Wheel Speed Kit

Measures speed over water.

P/N	Description	Lead Length
764193	Paddle Wheel Speed Kit	12 feet
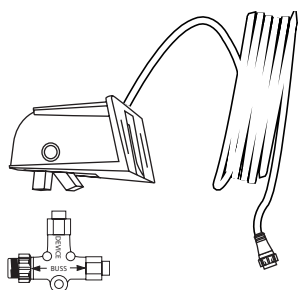
The Paddle Wheel Speed Kit (above) includes a 12 ft. lead and one Network Tee. P/N 764193

Paddle Wheel Tri-Ducer Kit - Transom Mount

Measures speed, depth and temperature.

P/N	Description	Lead Length
764671	Paddle Wheel Tri-Ducer Kit- Transom Mount	12 feet

Transducer Kit - Transom Mount

Measures depth only.

P/N	Description	Lead Length
764672	Transducer Kit- Transom Mount (not shown)	12 feet

The Paddle Wheel Tri-Ducer Kit (above) includes a 12 ft. lead and one Network Tee. P/N 764334

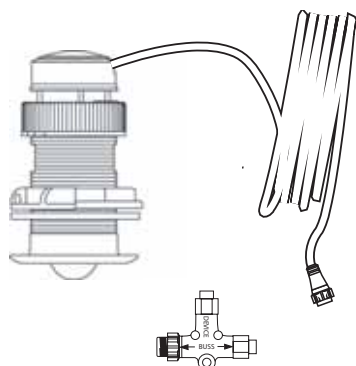## Thru Hull Paddle Wheel Tri-Ducer Kit

Plastic thru-hull tri-ducer measures speed over water, depth and seawater temperature and allows data to be displayed on I-Command Digital Gauges. Includes one Network Tee.

P/N	Description	Lead Length
764673	Paddle Wheel Tri-Ducer Kit - Thru Hull Mount	12 feet

The Thru Hull Mount Tri-Ducer Transducer Kit (above) includes a 12 ft. lead and one Network Tee. P/N 764335

Ignition/TNT Harness - Single Engine

Runs directly from the helm to the outboard. Required for vessels equipped with I-Command in order to view engine trim. Includes accessory power leads. One harness required per outboard.

P/N	Description	Length
763542	Ignition/TNT Harness	12 feet
763543	Ignition/TNT Harness	15 feet
763544	Ignition/TNT Harness	20 feet
763545	Ignition/TNT Harness	25 feet
763546	Ignition/TNT Harness	28 feet

Ignition/TNT Harness includes accessory power leads

Ignition/TNT Harness - Multi Engine

Runs directly from the helm to the transom. Required for vessels equipped with I-Command in order to view engine trim. Includes accessory power leads. One harness required per vessel. Also requires one 6-foot or 10-foot multi-engine adapter harness per outboard to complete connection from transom to outboard (sold below).

P/N	Description	No. of Engines	Length
763547	Ignition/TNT Harness*	2	15 feet
763548	Ignition/TNT Harness*	2	20 feet
763549	Ignition/TNT Harness*	2	25 feet
763550	Ignition/TNT Harness**	3	20 feet
763551	Ignition/TNT Harness**	3	25 feet

*Includes two accessory power leads   **Includes three accessory power leads

Multi-Engine Ignition/TNT Harness includes appropriate number of accessory power leads. P/N 763551 shown.

Multi-Engine Adapter Harness

Used between multiple engine harnesses and outboards. Installs at the outboard ends of the harnesses only. Available in 6 or 10-foot lengths.

P/N	Description	Length
763552	Multi-Engine Adapter Harness	6 feet
763553	Multi-Engine Adapter Harness	10 feet

The Multi-Engine Adapter Harness is available in 6 or 10-foot lengths.

P/N 5006186   P/N 177284   P/N 764155   P/N 764157

Kit P/N 764309 Shown   P/N 764164   P/N 764175   P/N 764166   P/N 764163

Single Engine Rigging Kits

I-Command digital rigging kits provide the ultimate in rigging convenience. Choose your rigging kit and the appropriate Ignition/TNT harness and you've got everything you need to install a basic I-Command Digital system. From there you can add more gauges or optional accessories to activate advanced features of the I-Command Digital gauges. These new kits feature the easy to assemble and install DeviceNet Micro C connector. With these rigging kits it makes I-Command Digital component selection easy.

Kit P/N	Rigging Kit Description	Includes	Qty.	Individual P/Ns
764309	I-Command Digital Single Binnacle (for Single Binnacles with key)	Single Lever Binnacle with key	I	5006186
		Network Bus Cable, 25 ft.	I	764163
		1.8 Gallon Oil Tank	I	177284
		EMM Harness Kit, 15 Ft.	I	764164
		Terminator Kit	I	764155
		Power Supply Kit - Single Engine	I	764157
		3.5-inch Multi-Function I-Command Digital Gauge	I	764175
		Fuel Level Converter Kit - I0	I	764168
764310	I-Command Digital Single Binnacle (for Single Binnacles without key)	Single Lever Binnacle without key	I	5006182
		Network Bus Cable, 25 ft.	I	764163
		Single Engine Key/Stop Switch	I	176408
		1.8 Gallon Oil Tank	I	177284
		EMM Harness Kit, 15 Ft.	I	764164
		Terminator Kit	I	764155
		Power Supply Kit - Single Engine	I	764157
		3.5-inch Multi-Function I-Command Digital Gauge	I	764175
		Fuel Level Converter Kit - I0	I	764168
764311	I-Command Digital Surface Side Mount (for Surface Side Mount with key)	Surface Side Mount Control with key	I	5006180
		Network Bus Cable, 25 ft.	I	764163
		1.8 Gallon Oil Tank	I	177284
		EMM Harness Kit, 15 Ft.	I	764164
		Terminator Kit	I	764155
		Power Supply Kit - Single Engine	I	764157
		3.5-inch Multi-Function I-Command Digital Gauge	I	764175
		Fuel Level Converter Kit - I0	I	764168
764312	I-Command Digital Concealed Side Mount (for Concealed Side Mount)	Concealed Side Mount Control without key	I	5006561
		Network Bus Cable, 25 ft.	I	764163
		Single Engine Key/Stop Switch	I	176408
		1.8 Gallon Oil Tank	I	177284
		EMM Harness Kit, 15 Ft.	I	764164
		Terminator Kit	I	764155
		Power Supply Kit - Single Engine	I	764157
		3.5-inch Multi-Function I-Command Digital Gauge	I	764175
		Fuel Level Converter Kit - I0	I	764168

Kit P/N 764313 Shown

P/N 5006184	P/N 176996	P/N 764155	P/N 764159
P/N 764163	P/N 764164	P/N 764175	P/N 764168 / P/N 176410

Multi-Engine Rigging Kits

I-Command digital rigging kits provide the ultimate in rigging convenience. Choose your rigging kit and the appropriate Ignition/TNT harness and you've got everything you need to install a basic I-Command Digital system. From there you can add more gauges or optional accessories to activate advanced features of the I-Command Digital gauges. These new kits feature the easy to assemble and install DeviceNet Micro C connector. With these rigging kits it makes I-Command Digital component selection easy.

Kit P/N	Rigging Kit Description	Includes	Qty.	Individual P/Ns
764313	I-Command Digital Dual Lever Binnacle	Dual Lever Binnacle	1	5006184
		Dual Engine Key and Stop Switch	1	176410
		Network Bus Cable, 25 ft.	1	764163
		3.0 Gallon Oil Tank	2	176996
		EMM Harness Kit, 15 Ft.	2	764164
		Terminator Kit	1	764155
		Power Supply Kit - Multi-Engine	1	764159
		3.5-inch Multi-Function I-Command Digital Gauge	2	764175
		Fuel Level Converter Kit - I0	1	764168
764314	I-Command Digital Triple Engine Base (without control, oil tanks, or Engine Key/Stop Switch)	EMM Harness Kit, 15 Ft.	3	764164
		Network Bus Cable, 25 ft.	1	764163
		Terminator Kit	1	764155
		Power Supply Kit - Multi-Engine	1	764159
		3.5-inch Multi-Function I-Command Digital Gauge	3	764175
		Fuel Level Converter Kit - I0	1	764168

I-Command Digital Point of Purchase Materials

The **I-Command Digital P.O.P. Display** showcases both the 3.5 and 2-inch Multi-Function Gauges. Using the selection buttons on the front of each gauge, the user can cycle through all of the engine status and boat speed/trimdisplays as well as water temperature and depth.

I-Command Brochures reveal to the your customers all of the advantages of installing the I-Command Digital System on a new boat, or retrofitting an existing rig. Colorful graphics and succinct copy explain every detail of the I-Command System's capabilities. Sold in shrink-wrapped packs of 25.

P/N	Description	Quantity
764613	I-Command Digital P.O.P. Display	1
763744	I-Command Brochures	Individual Packs of 25

P/N 354044

P/N 352974

P/N 353150

P/N 437955

P/N 764642

I-Command Setup and Diagnostic Tools

P/N	Description	Use
764592	I-Command Digital Programming and Test Pack (no photo available)	For service use to upload software updates to I-Command digital gauges.
764591	NMEA Bus Tester (no photo available)	For testing and troubleshooting of NMEA Network
354044	I-Command Digital Installation Guide	For DeviceNet Mini C Connectors
352974	I-Command Digital Users Guide - 3.5-inch Multi-Function Gauge	
353150	I-Command Digital Users Guide - 2-inch Multi-Function Gauge	
437955	Evinrude® Diagnostic Cable	Computer Serial Port to OB Communication Connector
764642	EV-DIAG Diagnostic Software	For Evinrude® E-TEC Outboards

I-Command Replacement Parts

P/N 764345

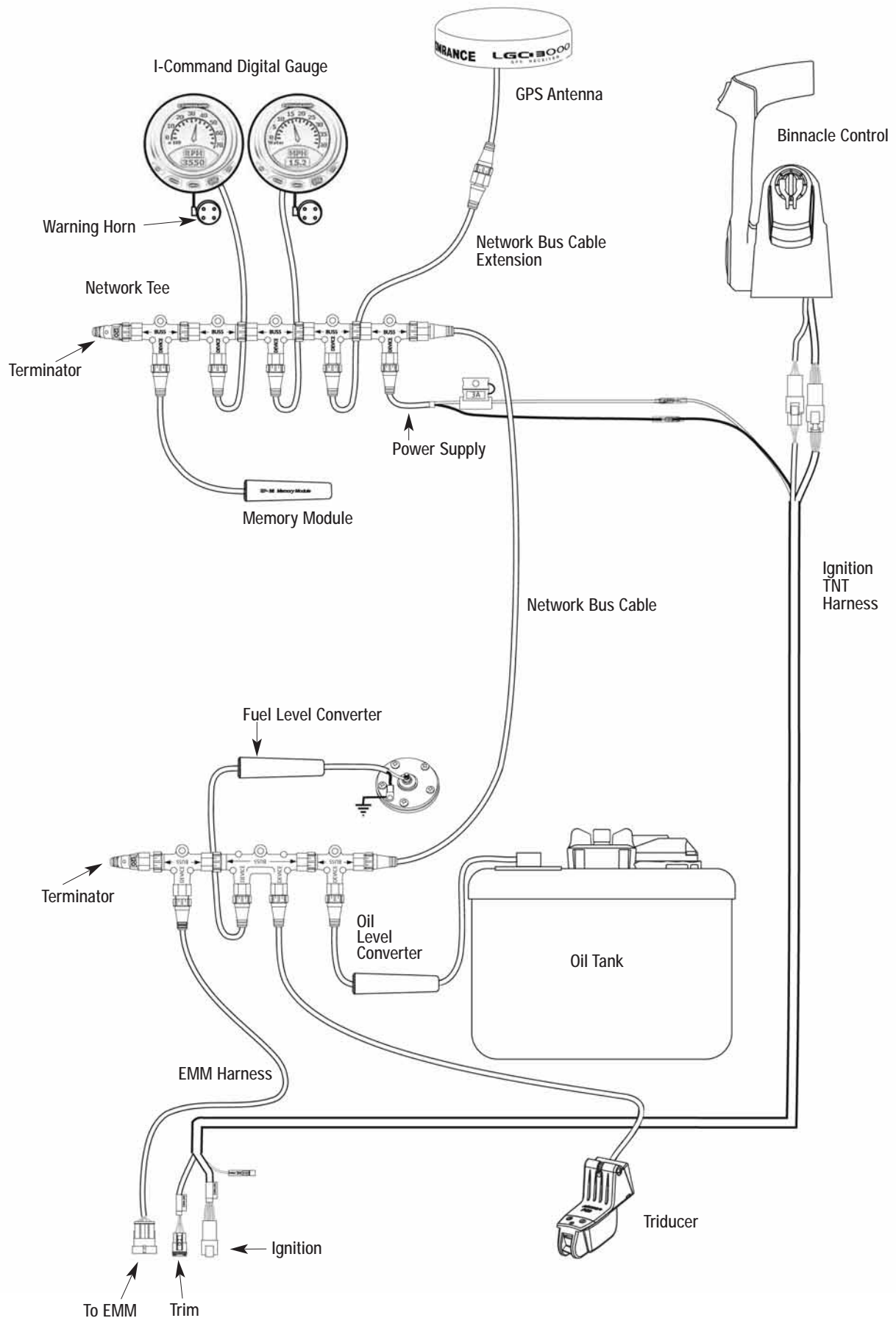| P/N	Description
764538	I-Command Power Supply Replacement Fuse-3 Amp ATC Style (not shown)
764593	I-Command Digital Hardware Kit, includes Horn for 3.5'' Gauge (not shown)
764676	I-Command Digital Hardware Kit, 2'' Gauge (not shown)
764345	GPS Antenna Quick Mount Kit

I-Command Digital Gauges are capable of displaying 30 separate data functions.

Standard Gauge Functions	Required I-Command Component	P/N
Tachometer Fuel Flow Rate Push-Button Auto Winterize Multi-Engine RPM Sync Display Multi-Engine Combined Fuel Use Engine Status/Fault Engine Hour Meter Engine Trim Level* Engine Temperature Alternator Voltage Battery Voltage Engine Load % of Throttle Barometric Pressure	Choose One or more	3.5-inch I-Command Digital Gauge Kit 764177 (minimum of one 3.5-inch gauge recommended per engine) 2-inch I-Command Digital Gauge Kit 764175

Optional Gauge Functions	Required I-Command Component	P/N
Engine Water Pressure	Required	Unconfigured Water Pressure Sensor Kit 764177
Oil Tank Level	Choose One: based on engine quantity and tank size.	1.8 Gallon Single Engine Oil Level Kit 764271 3.0 Gallon Single Engine Oil Level Kit 764272 1.8 Gallon Dual Engine Oil Level Kit 764273 3.0 Gallon Dual Engine Oil Level Kit 764274 3.0 Gallon Triple Engine Oil Level Kit 764275 10.0 Gallon Oil Level Kit 763737 Unconfigured Fluid Level Kit 764166
Fuel Tank Level Fuel Remaining Fuel Used	Choose One or more	Fuel Level Kit - I0 - Single Tank 764168 Fuel Level Kit - I1 - Second Tank 764170 Unconfigured Fluid Level Kit 764166 Memory Module Kit 764181
GPS Speedometer, Speed Over Ground - SOG GPS Position in Longitude and Latitude GPS Clock Fuel Economy Fuel Range	Choose One	GPS Antenna and Quick Mount Kit or 764179 Deluxe Fuel Economy Kit - GPS and Memory Module 764315
Trip Fuel Used Seasonal Fuel Used	Choose One	Memory Module Kit or 764181 Deluxe Fuel Economy Kit - GPS and Memory Module 764315
Speedometer, Speed Over Water - SOW	Choose One	Paddle Wheel Speed Kit or 764193 Unconfigured water Pressure Sensor Kit or 764195 Transom Mount Tri-Ducer or 764671 Plastic Thru-Hull Tri-Ducer or 764673
Seawater Temperature	Choose One	Transom Mount Tri-Ducer or 764671 Plastic Thru-Hull Tri-Ducer or 764673 Unconfigured Temperature Sending Kit 764183
Depth	Choose One	Transom Mount Tri-Ducer or 764671 Plastic Thru-Hull Tri-Ducer or 764673 Transom-Mount Tri-Ducer 764672
Livewell Temp, Baitwell Temperature, Air Temperature	Required	Unconfigured Temperature Sending Kit 764183
Fluid Levels (livewells, holding tanks)	Required	Unconfigured Fluid Level Kit 764166

*Trim function not available on I-Command Gauges when used with Evinrude® E-TEC 40-90 HP Outboards. Analog gauge must be used to view trim on these models.

Reference Diagram

I-Command Digital Gauge

GPS Antenna

Binnacle Control

Warning Horn

Network Bus Cable
Extension

Network Tee

Terminator

Power Supply

Memory Module

Ignition
TNT
Harness

Network Bus Cable

Fuel Level Converter

Terminator

Oil
Level
Converter

Oil Tank

EMM Harness

Triducer

Ignition

To EMM   Trim

Reference Diagram

Dual Engine Control

I-Command Digital Gauge

GPS Antenna

Ignition Switch

Warning Horn

Network Tee

Terminator

Multi Engine Power Supply

Memory Module

Ignition TNT Harness

Network Bus Cable

Fluid Level Converter

Terminator

Oil Level Converter

Oil Tank

EMM Harness

Extension of Ignition TNT Harness

Ignition

Ignition

Triducer

To EMM   Trim   To EMM   Trim

Reference Diagram

I-Command Digital Gauges

Warning Horn

GPS Antenna

Triple Engine Control

Network Tee

Ignition
Switch

Terminator

Multi Engine
Power Supply

3A

Memory Module

Network Bus Cable

Ignition
TNT
Harness

Fuel Level Converter

Terminator

Oil
Level
Converter

Oil Tank

EMM Harness

Extension of Ignition
TNT Harness

Triducer

Ignition   Ignition   Ignition

To EMM   Trim   To EMM   Trim   To EMM   Trim