HONDA MARINE
ACCESSORIES 2020



HONDA
GENUINE PARTS

HONDA MARINE

High quality, better results, longer lasting

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HONDA MARINE

CONTROLS



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CONTROLS

REMOTE CONTROL

Side Mount Remote Control Box — 4 x Alert Light

Description

- Key Start/PTT/Emergency Stop Switch
- 4 Light Alert ➞ Oil pressure / Overheat / PGM-FI/ ACG
- Port or Starboard Mounting - can be mounted in Pairs
- Harness not supplied



Application	Part Number
BF40D/BF40E, BF60A/BFP60A	
BF75DKO - BBAJ - 1004819 ~	
BF80A - BF100A	
BF90DKO - BBCJ 1014203 ~	
BF115D - BBHJ 1000001 ~	
BF135A - BARJ - 1003841 ~	**24800-ZZ5-D03**
BF135 (CR Type) BASJ 1000314 ~	
BF150A - BANJ - 1010488 ~	
BF150A (CR Type) BAPJ - 1001415 ~	
BF175/200/225 AK1	
BF250A	

Side Mount Remote Control Box — 4 x Alert Light

Description

- Key Start/PTT/Emergency Stop Switch
- 4 Light Alert ➞ Oil pressure / Overheat / PGM-FI/ ACG
- Port or Starboard Mounting - can be mounted in Pairs
- Harness not supplied
- Integrated trolling control function



Application	Part Number
BF40 - BF150	**28400-ZZ5-D23**

Side Mount Remote Control Box — 2 x Alert light

Description

- Key Start/PTT/Emergency Stop Switch
- 2 Light Alert ➞ Oil pressure/Overheat
- Port or Starboard Mounting - can be mounted in Pairs
- Harness not supplied



Application	Part Number
BF25D/30D/40A/BF50A/75A/90A	
BF75DKO - BBAJ - ~1004818	
BF90DKO - BBCJ ~ 1014202	
BF115A/BF130A	
BF135A - BARJ - ~ 1003840	**24800-ZW2-D02**
BF135 (CR Type) BASJ ~ 1000313	
BF150A - BANJ - ~ 1010487	
BF150A (CR Type) BAPJ - ~ 1001414	
BF175/200/225 A2 & A6	

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

CONTROLS

REMOTE CONTROL

Side Mount Remote Control Box — 2 x Alert light



Description
- Key Start/ Emergency Stop Switch
- 2 Light Alert ➞ Oil pressure/Overheat
- Port or Starboard Mounting - can be mounted in Pairs
- Harness not supplied

Application	Part Number	Comments
BF8B / BF8D / BF10B / BF10D	**24800-ZW9-830**	
BF8D2 / BF8D4 / BF10D2 / BF10D4 / BF15D3 / BF20D3	**24800-ZW9-A11**	
BF25D4 / BF30D4 / BF40A4 / BF50A4	**24800-ZW4-H05**	Gas Assist Models
BF20A / BF25A/ BF30A / BF35A / BF40A BF40AX / BF40B / BF45A / BF50A / BF50AX	**24800-ZV5-020**	Non PTT Models

Sticker Plate



Description
- Can be used when the remote is mounted on the plate side.

Application	Part Number	Comments
BF40 ~ BF250A	**87701-ZZ5-790**	

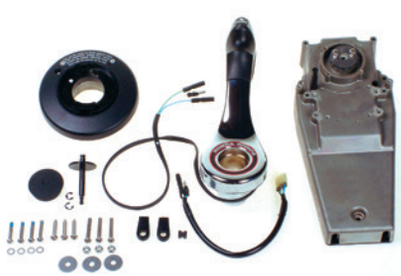
Top Mount Remote Control box



Description
- Top Mount Control Box
- F-N-R Lever
- PTT Switch

Application	Part Number	Comments
BF40 ~ BF250A	**06240-ZW5-U40**	Right Hand Operation
	06240-ZW5-U50	Left Hand Operation

Flush Mount Remote Control Box



Description
- Flush Mount Control Box
- F-N-R Lever
- PTT Switch

Application	Part Number	Comments
BF40 ~ BF250A	**06240-ZW7-U00**	Right Hand Operation
	06240-ZW7-U10	Left Hand Operation

Twin Top Mount Remote Control Box



Description
- Flush Mount Control Box
- F-N-R Lever
- PTT Switches

Application	Part Number	Comments
BF40 ~ BF250A	**06240-ZW5-U60**	Right Hand Operation
	06240-ZW5-U70	Left Hand Operation

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

CONTROLS

Emergency Stop Lanyard

Description
- Emergency Stop Lanyard

Application	Part Number
BF2 ~ BF250A	**36182-ZV4-651**



Emergency Stop Lanyard

Description
- Floating type
- Emergency Stop Lanyard

Application	Part Number
BF2 ~ BF250A	**36182-ZV4-000AH**



Remote Control Bracket

Description
- Remote Control Bracket
- Allows connection of steering cable, throttle & shift cables

Application	Part Number
BF4.5 / BF5A	**06170-ZV1-812**



Remote Control Bracket

Description
- Remote Control Bracket
- Allows connection of Steering cable, Throttle & shift cables

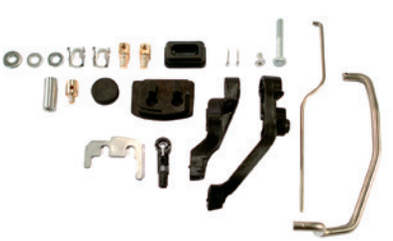
Application	Part Number
BF6A / BF8 - A-B-BX (BF75-BF100 A,B,C,D, E, F)	**06170-881-812**



Conversion kit handle to remote control

Description
- Kit to convert a handle outboard type to a remote control type
- This kit doesn't include the side mount remote control and cables and doesn't allow the user to steer the boat
- No steering tube to fix the steering cable
- Part: 24221-ZW9-000 (1 piece) has to be removed from the engine to facilitate the shifting

Application	Part Number
BF6D, BF8D, BF10D	**06532-ZW9-000HE**



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CONTROLS

Conversion kit handle to remote control



Description

- Kit to convert a handle outboard type to a remote control type
- This kit doesn't include the side mount remote control and cables and doesn't allow the user to steer the boat
- No steering tube to fix the steering cable
- Part: 24221-ZW9-000 (1 piece) has to be removed from the engine to facilitate the shifting

Application	Part Number
BF15D, BF20D	**06532-ZY0-000HE**

Cable end Pivot



Description

- Remote Control Bracket
- For use with Remote control kit 06170 881 812

Application	Part Number
BF6A / BF8 - A-B-BX (BF75-BF100 A,B,C,D, E, F)	**32392-881-002AH**

Steering Tube Seal



Description

- Steering Tube Seal
- Integral O ring prevents entry of water & dirt.
- Equipped with a greasing point

Application	Part Number	Comments
BF8D ~ BF50A	**50899-ZV5-000AH**	Anodised Aluminium
BF8D ~ BF50A	**50899-ZV5-020AH**	Stainless Steel

Stainless Steel Dual Engine Tie bar



Description

- Stainless Steel Dual Engine Tie bar
- Provides easy adjustment without disconnection.

Application	Part Number	Comments
BF25D ~ BF90D	**53520-ZV7-U00**	Min Length 45Cm - Max Length 60Cm
BF25D ~ BF90D	**53520-ZV7-U10**	Min Length 57Cm - Max Length 72Cm

Steering Link Rod BF60A / BFP60A



Description

- Steering Link Rod
- Provides up to 50° steering on BF/BFP60A.
- Provides reduced turning circles for boat users.

Standard European link rod 30°.

Application	Part Number
BF40E / BF60/BFP60 -A-AK1	**06531-ZZ3-000**

Steering Plates



Description

- Steering Plates
- Required for some twin engine applications

Application	Part Number
BF8D ~ BF20D	**53234-ZW9-830**
BF25 ~ BF30	**53234-ZV7-781**
BF60A / BFP60A	**53234-ZZ3-000**
BF75A / BF75D / BF80A /BF90A / BF90D / BF100A	**53234-ZW1-010**
BF115A / BF130	**53234-ZW5-010**

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PRE RIGGING



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PRE RIGGING

PRE RIGGING KIT EXAMPLES

Side Mount Remote Control Kit Example

Description

- Pre Rigging Basic 2 gauge kit
  - 1 x Tachometer
  - 1 x Trim gauge
  - 1 x Instrument Harness
- Pre Rigging Side Mounted Control Box Kit
  - 1 x Side Mount RC Box
  - Main Wire Harness available in 5M, 6.1M, 7.6M, 9.1M & 15M







Top Mount Remote Control Kit Example

5 Gauge Kit

Description

- Pre Rigging 5 gauge kit
  - 1 x Tachometer
  - 1 x Trim gauge
  - 1 x Speedometer
  - 1 x Fuel level gauge
  - 1 x Voltmeter
  - 1 x Instrument Harness
- Pre Rigging Single Top Mount Control Box Kit
  - 1 x RC Box
  - Main Wire Harness available in 5M, 6.1M, 7.6M & 9.1M.
  - 1 x Ignition Switch panel







* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

PRE RIGGING KIT EXAMPLES

Flush Mount Remote Control Kit Example — 5 Gauge Kit

Description

- Pre Rigging 5 gauge kit
  - 1 x Tachometer
  - 1 x Trim gauge
  - 1 x Speedometer
  - 1 x Fuel level gauge
  - 1 x Voltmeter
  - 1 x Instrument harness

- Pre Rigging Flush Mount Control Box Kit
  - 1 x Flush RC Box
  - Main Wire Harness available in 5M, 6.1M, 7.6M & 9.1M (RH Control)
  - 1 x Ignition Switch panel







Single Mount with single digital kit example

Description

- Pre Rigging Digital Gauge kit
  - 1 x NMEA 2000 Tachometer
  - 1 x NMEA 2000 Instrument harness

  Dual Kit (Tachometer/Speedo) also available

- Pre Rigging Flush Mount Control Box Kit
  - RC Box
  - Main Wire Harness available in 5M, 6.1M, 7.6M, 9.1M & 15M









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PRE RIGGING

PRE RIGGING KIT EXAMPLES

Twin Top Mount Remote with NMEA gauges

Description

- Pre Rigging Twin Digital Gauge kit
  - 2 x NMEA 2000 Tachometers
  - 1 x NMEA 2000 Speedometer
  - 3 x NMEA 2000 Instrument Harness & Tee connectors
- Pre Rigging Dual Top Mount Control Box Kit
  - 1 x Twin Engine RC Box
  - 2 x main wire harness available in; 6.1M, 7.6M & 9.1M (RH Control)
  - 2 x Ignition Switch Panels







2x

Side Mount Remote Control Kit 4 x Alert light

Description

- Key Start / PTT / Emergency Stop Switch
- Handle is reversible
- 4 Light Alert ➞ Oil pressure / Overheat / PGM-FI / ACG
- Port or Starboard Mounting-can be mounted in Pairs

Application	Harness	Part Number
BF40D/BF50D , BF40E, BF60A/BFP60A BF75DKO - BBAJ - 1004819 ~	5.0M	**06480-ZZ5-510**
BF80A - BF100A BF90DKO - BBCJ 1014203 ~	6.1M	**06480-ZZ5-610**
BF115D - BBHJ 1000001 ~	7.6M	**06480-ZZ5-710**
BF135A - BARJ - 1003841 ~ BF135 (CR Type) BASJ 1000314 ~	9.1M	**06480-ZZ5-810**
BF150A - BANJ - 1010488 ~ BF150A (CR Type) BAPJ - 1001415 ~ BF175/200/225 AK1 ~ AK3 BF250A	15.0M	**06480-ZZ5-910**



Side Mount Remote Control Kit incl. Trolling Type 4 x Alert light

Description

- Key Start / PTT / Emergency Stop Switch
- Handle is reversible
- 4 Light Alert ➞ Oil pressure / Overheat / PGM-FI / ACG
- Port or Starboard Mounting-can be mounted in Pairs
- Integrated trolling control function

Application	Harness	Part Number
BF40 - BF150	5.0M	**06480-ZZ5-522**
	6.1M	**06480-ZZ5-622**
	7.6M	**06480-ZZ5-722**
	9.1M	**06480-ZZ5-822**
	15.0M	**06480-ZZ5-922**



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

Top Mount Remote Control Kit — 4 x Alert light switch panel



Description

- Top Mount Control Box
- Ignition Switch with integrated alert panel;
- Oil pressure / Overheat / PGM-FI / ACG

Application	Harness	Part Number	Comments
BF40D/BF50D , BF40E, BF60A/BFP60A BF75DKO - BBAJ - 1004819 ~ BF80A - BF100A BF90DKO - BBCJ 1014203 ~ BF115D - BBHJ 1000001 ~ BF135A - BARJ - 1003841 ~	5.0M	**06250-ZZ5-U05HE**	Right Hand Operation
	6.1M	**06250-ZZ5-U06HE**	
	7.6M	**06250-ZZ5-U01HE**	
	9.1M	**06250-ZZ5-U09HE**	
BF135 (CR Type) BASJ 1000314 ~ BF150A - BANJ - 1010488 ~	6.1M	**06255-ZZ5-U06HE**	Left Hand Operation
BF150A (CR Type) BAPJ - 1001415 ~ BF175/200/225 AK1 ~ AK3 BF250A	7.6M	**06255-ZZ5-U01HE**	

Flush Mount Remote Control Kit — 4 x Alert light switch panel



Description

- Flush Mount Control Box
- Ignition Switch with integrated alert panel;
- Oil pressure / Overheat / PGM-FI / ACG

Application	Harness	Part Number	Comments
BF40D/BF50D , BF40E, BF60A/BFP60A BF75DKO - BBAJ - 1004819 ~ BF80A - BF100A BF90DKO - BBCJ 1014203 ~ BF115D - BBHJ 1000001 ~ BF135A - BARJ - 1003841 ~	5.0M	**06250-ZZ5-U15HE**	Right Hand Operation
	6.1M	**06250-ZZ5-U16HE**	
	7.6M	**06250-ZZ5-U11HE**	
	9.1M	**06250-ZZ5-U19HE**	
BF135 (CR Type) BASJ 1000314 ~ BF150A - BANJ - 1010488 ~	6.1M	**06255-ZZ5-U16HE**	Left Hand Operation
BF150A (CR Type) BAPJ - 1001415 ~ BF175/200/225 AK1 ~ AK3 BF250A	7.6M	**06255-ZZ5-U11HE**	

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

Side Mount Remote Control Box — 4 x Alert light switch panel



Description

- Twin Top Mount Control Box
- Ignition Switches with integrated alert panel;
- Oil pressure / Overheat / PGM-FI / ACG

Application	Metres	Part Number	Comments
BF40D/BF50D , BF40E, BF60A/BFP60A BF75DKO - BBAJ - 1004819 ~ BF80A - BF100A BF90DKO - BBCJ 1014203 ~ BF115D - BBHJ 1000001 ~ BF135A - BARJ - 1003841 ~ BF135 (CR Type) BASJ 1000314 ~ BF150A - BANJ - 1010488 ~ BF150A (CR Type) BAPJ - 1001415 ~ BF175/200/225 AK1 ~ AK3 BF250A	6.1M	**06250-ZZ5-U31HE**	Right Hand Operation without tie bar
	7.6M	**06250-ZZ5-U51HE**	Right Hand Operation without tie bar
	9.1M	**06250-ZZ5-U91HE**	Right hand operation without tie bar
	7.6M	**06255-ZZ5-U51HE**	Left Hand Operation without tie bar

Tiller Handle Kit — BF40D / BF50D



Description

- Key Start / PTT / Emergency Stop Switch
- 4 Light Switch panel ➞ Oil pressure / Overheat / PGM-FI / ACG
- Gearshift Lever (F-N-R)
- Throttle & Handle friction control
- 3 step angle adjustment
- Tiller Handle Friction damper

Application	Colour	Part Number
BF40D/BF50D	NH282MU > 2012	**06533-ZZ5-624ZA**
BF40D/BF50D	NHB14M 2012>	**06533-ZZ5-626ZB**

Tiller Handle Kit — BF60A / BFP60A



Description

- Key Start / PTT / Emergency Stop Switch
- 4 Light Switch panel ➞ Oil pressure / Overheat / PGM-FI / ACG
- Gearshift Lever (F-N-R)
- Throttle & Handle friction control
- Trolling control switch
- 3 step angle adjustment
- Tiller Handle Friction damper

Application	Colour	Part Number
BF60A/BFP60A	NH282MU > 2012	**06533-ZZ3-A44ZA**
BF60A/BFP60A	NHB14M 2012>	**06533-ZZ3-A44ZB**

Rigging Hose Kit



Description

- 1.5M Black Hose ➞ 50 mm inner Ø
- 1 x Boat Fitting
- Availabe also in 15M length - cut to required lengths

Application	Kit	Part Number
BF60A ~ BF250A	1.5M Black hose - 1 boat fitting	**06177-ZZ3-U00HE**
Black hose 15 meter	Extension hose 15 meter	**06177-ZZ3-U10HE**
Boat fitting X 1	Boat fitting	**06177-ZZ3-U80HE**

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

Rigging Tube Kit

Kit Contains:

- Rigging tube - lower Qty: 1
- Rigging tube - upper Qty: 1
- Cable holder (stainless steel) Qty: 1
- Compression ring Qty: 1
- Rubber sheet protectors Qty: 2

Application	Part Number
BF115D / BF135A / BF150A	**40105-ZY6-010AH**
BF200A / BF225A / BF250A	**40105-ZY3-010**



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

RIGGING EXISTING ONBOARD NMEA 2000 NETWORK

NMEA 2000 Tachometer Kit

Description
- 1 x NMEA 2000 Tachometer
- 1 x NMEA 2000 Instrument Harness
- 1 x NMEA 2000 T Conncector

Note
- These kits are specifically for applications where an existing NMEA 2000 CANbus network and Honda NMEA 2000 engine drop cable are already installed.



Application	Part Number	Colour
BF40D ~ BF250 NMEA 2000 compliant models	**06326-ZX2-U03EU**	Black
	06326-ZX2-T13EU	White

NMEA 2000 Tachometer & Speedometer Kits

Description
- 1 x NMEA 2000 Tachometer
- 1 x NMEA 2000 Speedometer
- 1 x NMEA 2000 Instrument Harness
- 1 x NMEA 2000 T Conncector

Note
- These kits are specifically for applications where an existing NMEA 2000 CANbus network and Honda NMEA 2000 engine drop cable are already installed.



Application	Colour	Part Number	Comment
BF40D ~ BF250 NMEA 2000 compliant models	Black	**06375-ZX2-U43EU**	40kts
	Black	**06375-ZX2-U73EU**	70kts
	White	**06375-ZX2-T43EU**	40kts
	White	**06375-ZX2-T73EU**	70kts

	Speedometer Functions
1	Primary Speed: Knots Secondary Speed: Kilometres (on LCD screen)
2	Speed over Water (Non GPS - Hull transducer) SOW
3	Speed over Ground (GPS device or antenna) SOG
4	Water Depth - metres
5	Water Temperature (External) celsius
6	ECOmo (Economy-Lean Burn Mode) Green LED
7	Warning Alerts: Oil level / Temperature / PGM-FI / Charging- Battery Red LED
8	Fuel Burn Rate
9	Fuel tank level
10	Total fuel used
11	Water tank level (White or Black water)
12	Steering angle (Rudder)
13	"Honda" appears on LCD screen on start up - 3 seconds

	Tachometer Functions
1	Engine RPM
2	Trim Angle: 5automatic pop up Screen) Graduated bar with trim percentage (Fuel burn rate also displayed to optimise engine position)
3	Engine Operating Hours
4	Fuel Burn Rate: litres per hour
5	Fuel Tank level
6	Battery Voltage
7	Warning Alerts: Oil level / Temperature / PGM-FI / Charging- Battery Red LED
8	ECOmo (Economy-Lean Burn Mode) Green LED
9	Water in Fuel / Emergency Stop / Maintenance Reminder Notification (no alert)
10	"Honda" appears on LCD screen on start up - 3 seconds

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

NO EXISTING ONBOARD NMEA 2000 NETWORK

NMEA 2000 Tachometer Kit

Description
- 1 x NMEA 2000 Tachometer
- 1 x NMEA 2000 Instrument Harness
- 1 x NMEA 2000 T Conncector
- 1 x NMEA 2000 Engine drop cable kit (6M inc T connector)

Note
- NMEA 2000 Network Starter Kit, part number 06329-ZZ3-U00HE, is required for installation of the NMEA 2000 Tachometer Kit



Application	Part Number	Colour
BF40D ~ BF250 NMEA 2000 compliant models	**06375-ZX2-B00HE**	Black
	06375-ZX2-A00HE	White

NMEA 2000 Tachometer & Speedometer Kits

Description
- 1 x NMEA 2000 Tachometer
- 1 x NMEA 2000 Speedometer
- 1 x NMEA 2000 Instrument Harness
- 1 x NMEA 2000 T Conncector
- 1 x NMEA 2000 Engine drop cable kit (6M inc T connector)

Note
- NMEA 2000 Network Starter Kit, part number 06329-ZZ3-U00HE, is required for installation of the NMEA 2000 Tachometer & Speedometer Kits



Application	Part Number	Colour	Comment
BF40D ~ BF250 NMEA 2000 compliant models	**06375-ZX2-B40HE**	Black	40kts
	06375-ZX2-B70HE	Black	70kts
	06375-ZX2-A40HE	White	40kts
	06375-ZX2-A70HE	White	70kts

NMEA 2000 Network Starter Kit

Description
- 1 x NMEA 2000 Power lead
- 1 x NMEA 2000 Tee Connector
- 1 x NMEA 2000 Terminator (M)
- 1 x NMEA 2000 Terminator (F)

Note
- This NMEA 2000 Network starter kit is required for applications where there is no existing NMEA 2000 CANbus network - required to provide power to gauge kits



Application	Part Number
BF40D ~ BF250 NMEA 2000 compliant models	**06329-ZZ3-U00HE**

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

5 Gauge Kit



Description

- 5 Gauge kit
- Tachometer
- Speedometer
- Trim Gauge
- Fuel Gauge see note
- Voltmeter
- Instrument Harness
- Kit includes fittings & Pitot Tube

Note:

Fuel Sender	Empty	Full
EU Type	10 Ω	180 Ω
USA Type	240 Ω	33 Ω

Application	Metres	Part Number	Comments
BF40D ~ BF250A	1.37	**06365-ZW5-01AHE**	Black gauge kit inc EU Type Fuel Gauge
	1.37	**06360-ZW5-01AHE**	Black gauge kit inc US Type Fuel Gauge
	1.37	**06365-ZW5-01BHE**	White gauge kit inc EU Type Fuel Gauge
	1.37	**06360-ZW5-01BHE**	White gauge kit inc US Type Fuel Gauge
	1.37	**06365-ZW5-013SK**	Charcoal gauge kit inc EU Type Fuel Gauge
	1.37	**06360-ZW5-013SK**	Charcoal gauge kit inc USA Type Fuel Gauge

2 Gauge Kit



Description

- Tachometer
- Trim Meter
- Instrument Harness
- Kit includes fittings

Application	Part Number	Comments
BF40D ~ BF250A	**06333-ZW5-01AHE**	Black gauge kit
	06333-ZW5-01BHE	White gauge kit
	06333-ZW5-013SK	Charcoal gauge kit

Deluxe 2 Gauge Kits



Description

- Tachometer
- Trim Meter
- Instrument Harness
- Kit includes fittings

Note:

- Suitable for use with Rudder Meter Kit (BF60A / BFP60)

Application	Part Number	Comments
BF40D ~ BF250A	**06333-ZW5-000HE**	Black gauge kit compatible with rudder meter
	06351-ZW5-00AHE	Black gauge kit incl. harness deluxe
	06351-ZW5-00BHE	White gauge kit incl. harness deluxe

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DBW INSTALLATION GUIDE FOR BF175D - BF250D



DBW RIGGING

Multi-Engine Numbering

The Drive by Wire system (DBW) uses two communication lines to control the engines. The main system is the Honda specific system (H-CAN) the other uses the NMEA2000 network. Please keep in mind the following requirements.

1. An NMEA2000 network must be fitted to the boat and comply with NMEA2000 regulations for the system to function

2. The DBW system cannot use analogue gauges

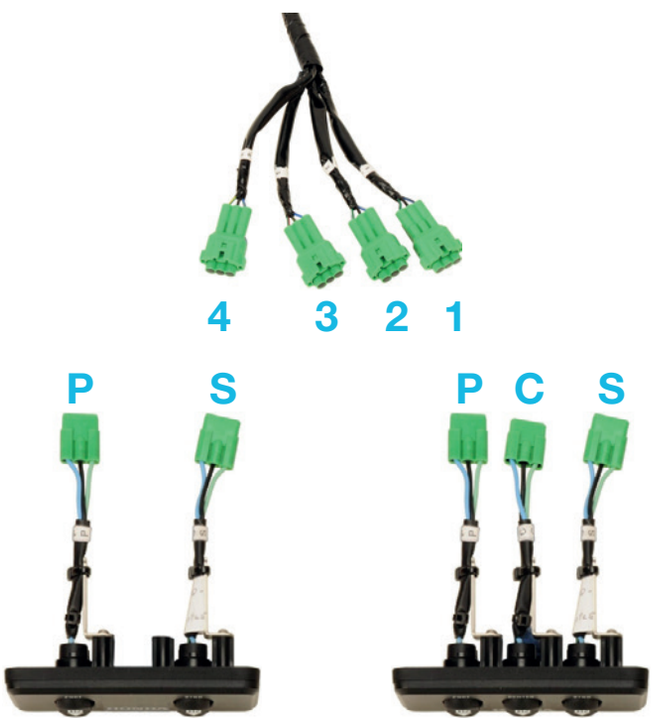
3. Each engine on the NMEA2000 network requires a different instance number assigned to it using Dr H. A single engine must have the number 0 instance. All engines are coded at the factory with instance number 0. When installing a single engine this instance number does not need to be changed. However, in multi engine installations the port engine must be instance 0 then working towards the starboard side the next engine fitted should be increased in number by 1. For example, in a triple installation the port engine would be 0 the center 1 the starboard 2. Please see page 45 and 46 for more information.

Push-Button Start and Power Trim/Tilt Panels
The connectors for the push-button start panel, power trim/tilt panel and main harness are labeled where multi-engine configurations are available. Panel harnesses are labeled with letters and the Control ECU harnesses are labeled with numbers. To correctly connect the panels to the correct engine, follow the instructions below and the rigging diagrams on the following pages.

Twin Engine
Port (**P**) connects to engine **1** connector.
Starboard (**S**) connects to engine **2** connector.

Triple-Engine
Port (**P**) connects to engine **1** connector.
Center (**C**) connects to engine **2** connector.
Starboard (**S**) connects to engine **3** connector.

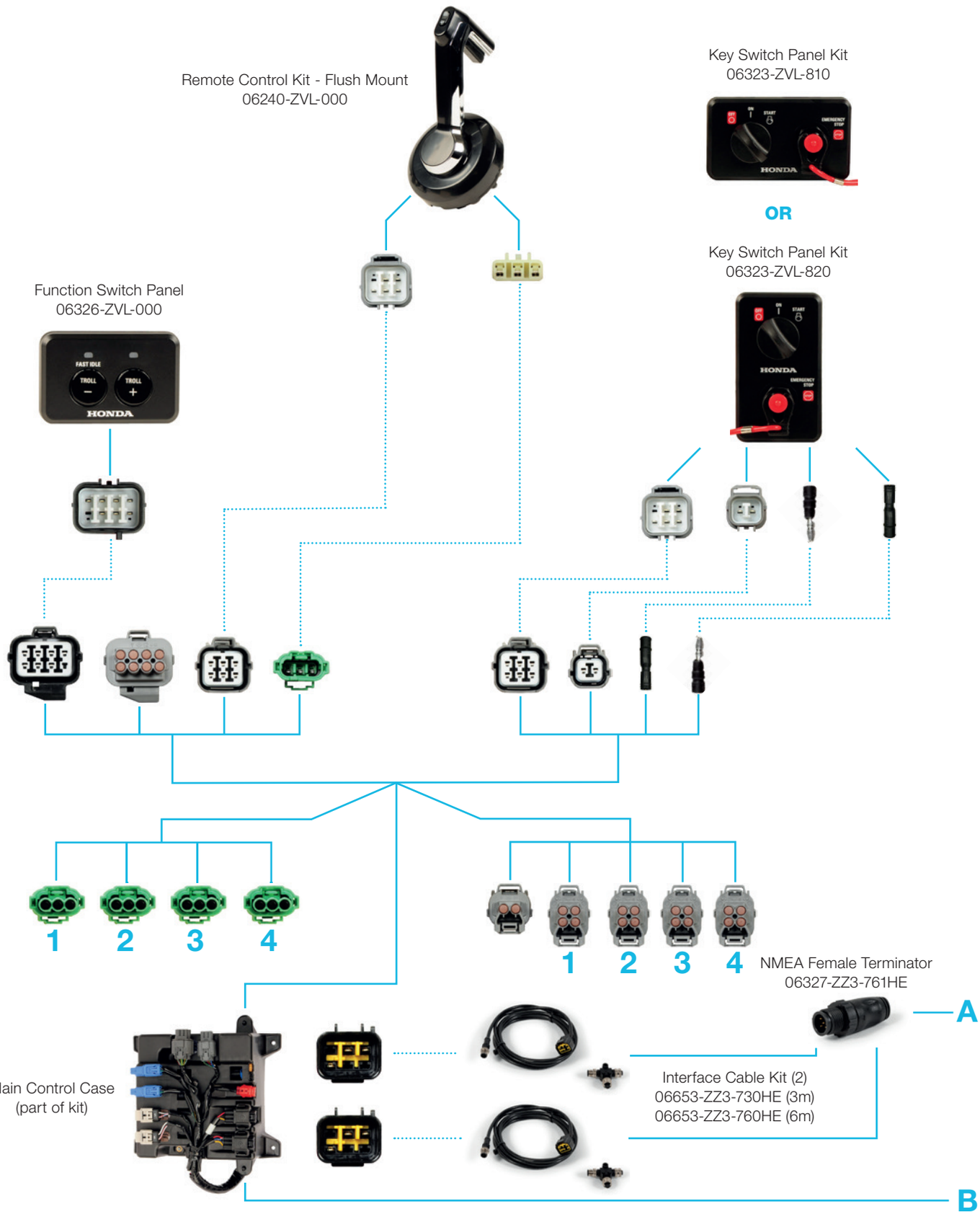
Quad-Engine
Port (**P**) on left panel connects to engine **1** connector.
Starboard (**S**) on left panel connects to engine **2** connector.
Port (**P**) on right panel connects to engine **3** connector.
Starboard (**S**) on right panel connects to engine **4** connector.



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

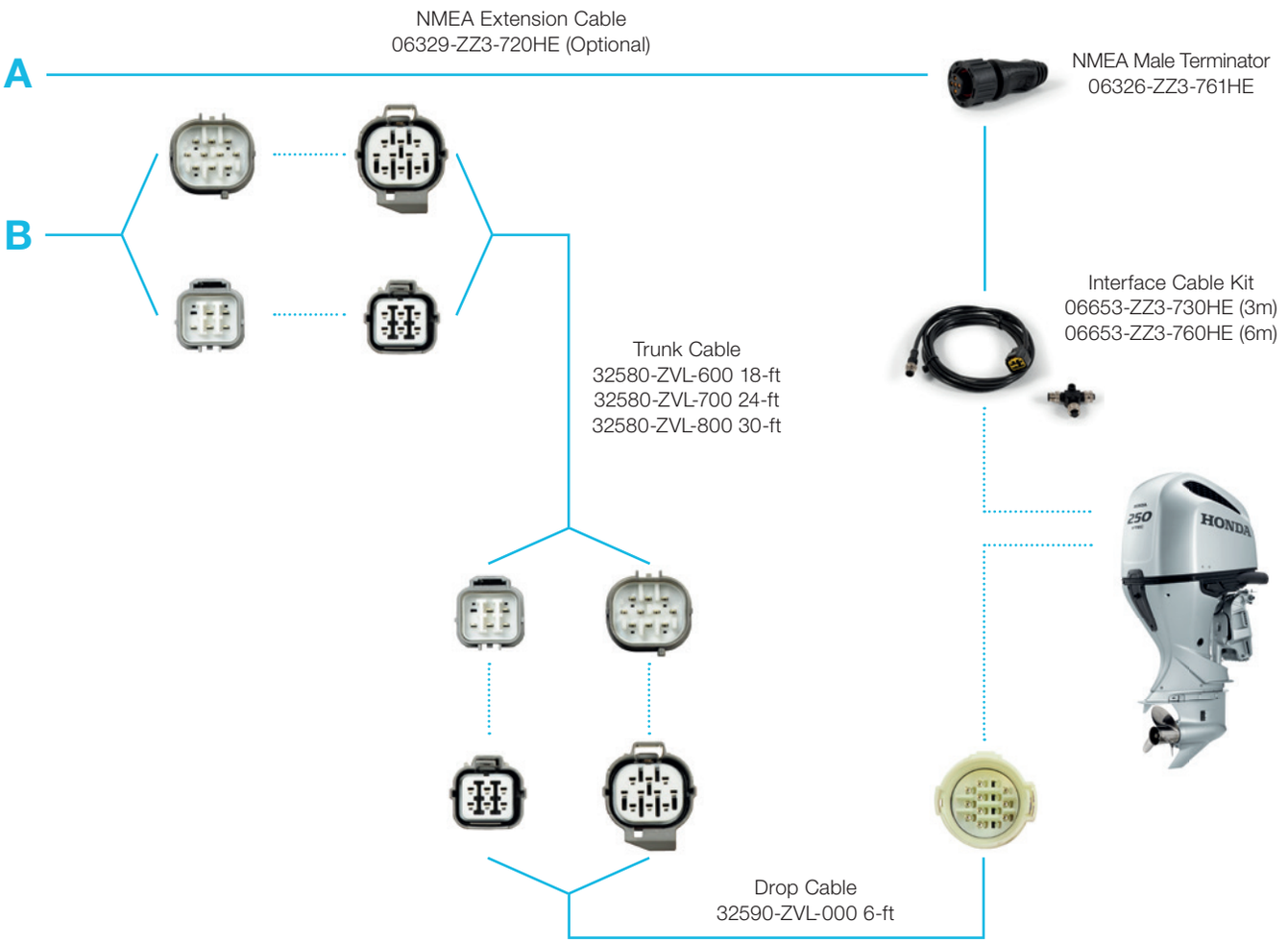
Single Engine, Flush-Mount Control



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PRE RIGGING

Single Engine, Flush-Mount Control



Single Engine, Flush-Mount Control

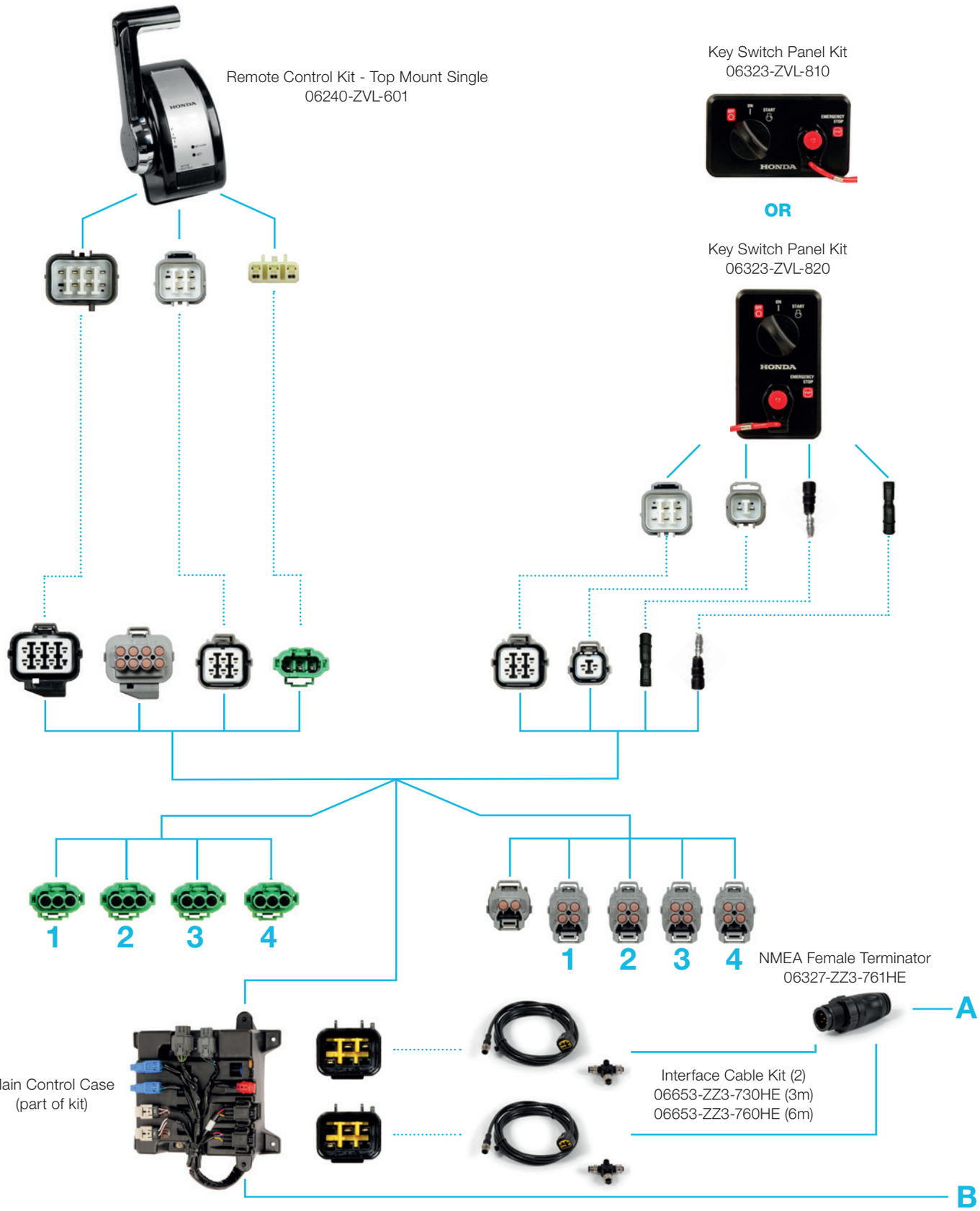
Description	Remarks	Part Number	Quantity Required
Cable Assy, Interface - **SELECT LENGTH**	3M NMEA2000 Control Unit Cable	**06653-ZZ3-730HE**	2
	6M NMEA2000 Control Unit Cable	**06653-ZZ3-760HE**	
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	1
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Cable Assy Engine Drop Single (6FT)	6FT Drop Cable for Single Engine Installation	**32590-ZVL-000**	1
T-Connector	NMEA2000 T-Connector for Display	**06325-ZZ3-760HE**	1
Terminator Connectors	NMEA2000 Terminator Male	**06326-ZZ3-761HE**	1
	NMEA2000 Terminator Female	**06327-ZZ3-761HE**	
Box Kit, Remote Control (Flush Mount)	Flush Mount R/C	**06240-ZVL-000**	1
Panel Kit, Key Switch (Start) - **SELECT TYPE**	Single, Horizontal (ON-OFF-START)	**06323-ZVL-810**	1
	Single, Vertical (ON-OFF-START)	**06323-ZVL-820**	
Panel Kit, Function Switch	Required for Flush Mount R/C box **Only**	**06326-ZVL-000**	1
Display Kit	Display Kit, Cover, Fitting Kit	**06371-ZY6-010**	1
Cable For Display Kit - **SELECT LENGTH**	NMEA2000 Extension 0.3M	**06329-ZZ3-703HE**	1
	NMEA2000 Extension 2M	**06329-ZZ3-720HE**	

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

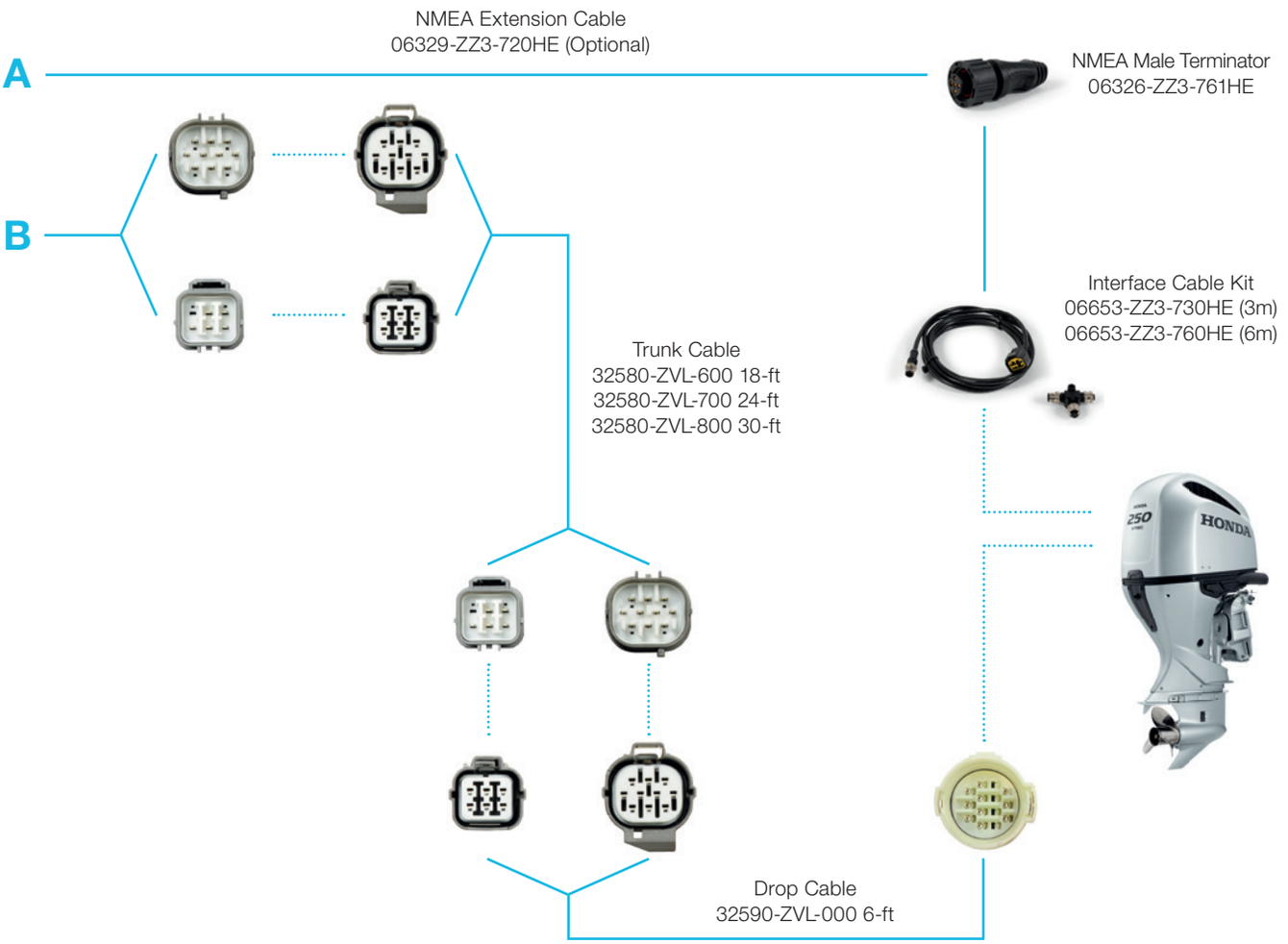
Single Engine, Top-Mount Control



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PRE RIGGING

Single Engine, Top-Mount Control



Single Engine, Top-Mount Control

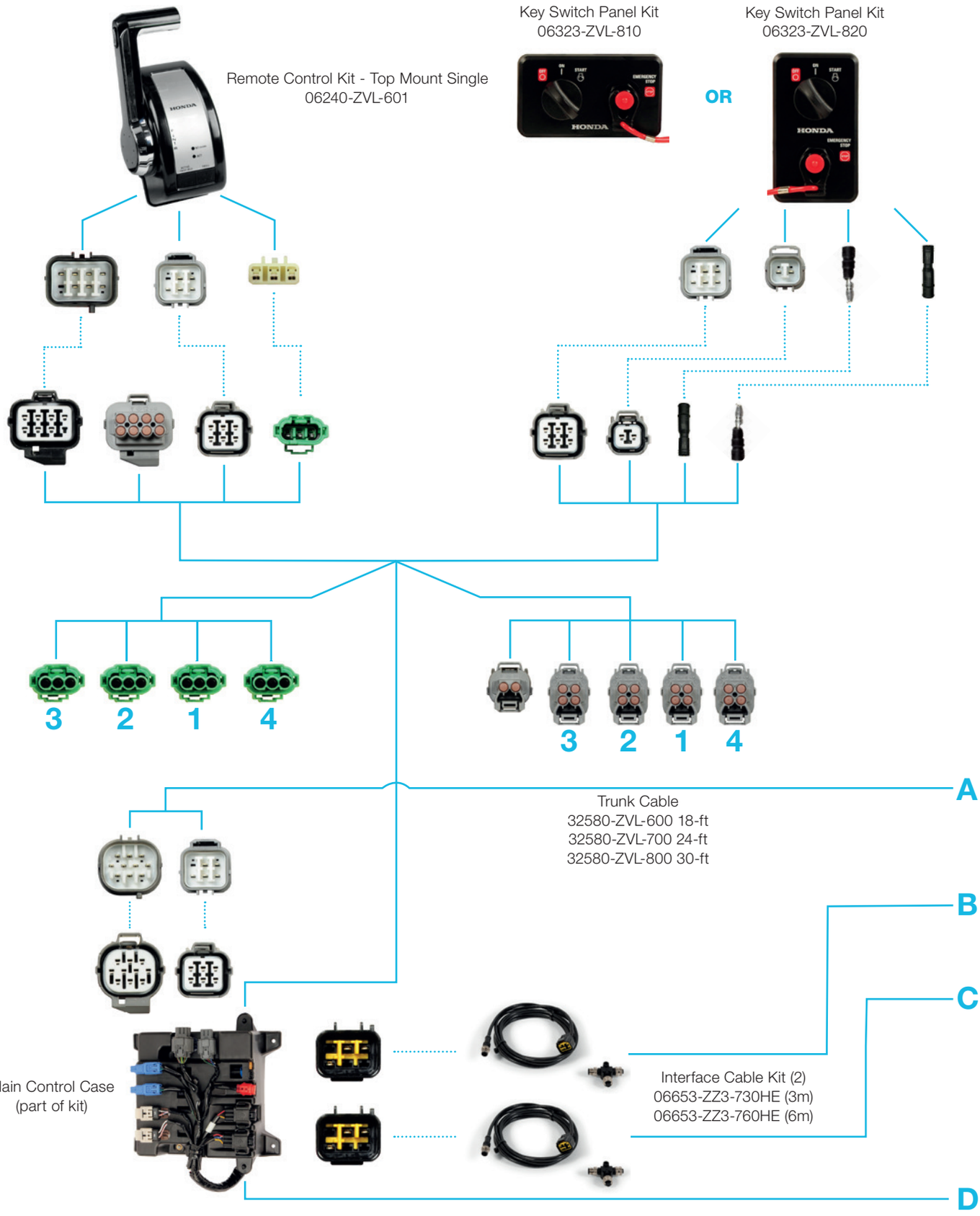
Description	Remarks	Part Number	Quantity Required
Cable Assy, Interface - **SELECT LENGTH**	3M NMEA2000 Control Unit Cable	**06653-ZZ3-730HE**	2
	6M NMEA2000 Control Unit Cable	**06653-ZZ3-760HE**	
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	1
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Cable Assy Engine Drop Single (6FT)	6FT Drop Cable for Single Engine Installation	**32590-ZVL-000**	1
T-Connector	NMEA2000 T-Connector for Display	**06325-ZZ3-760HE**	1
Terminator Connectors	NMEA2000 Terminator Male	**06326-ZZ3-761HE**	1
	NMEA2000 Terminator Female	**06327-ZZ3-761HE**	
Box Kit, Remote Control (Top Mount Single)	Top Mount R/C	**06240-ZVL-601**	1
Panel Kit, Key Switch (Start) - **SELECT TYPE**	Single, Horizontal (ON-OFF-START)	**06323-ZVL-810**	1
	Single, Vertical (ON-OFF-START)	**06323-ZVL-820**	
Display Kit	Display Kit, Cover, Fitting Kit	**06371-ZY6-010**	1
Cable For Display Kit - **SELECT LENGTH**	NMEA2000 Extension 0.3M	**06329-ZZ3-703HE**	1
	NMEA2000 Extension 2M	**06329-ZZ3-720HE**	

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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PRE RIGGING

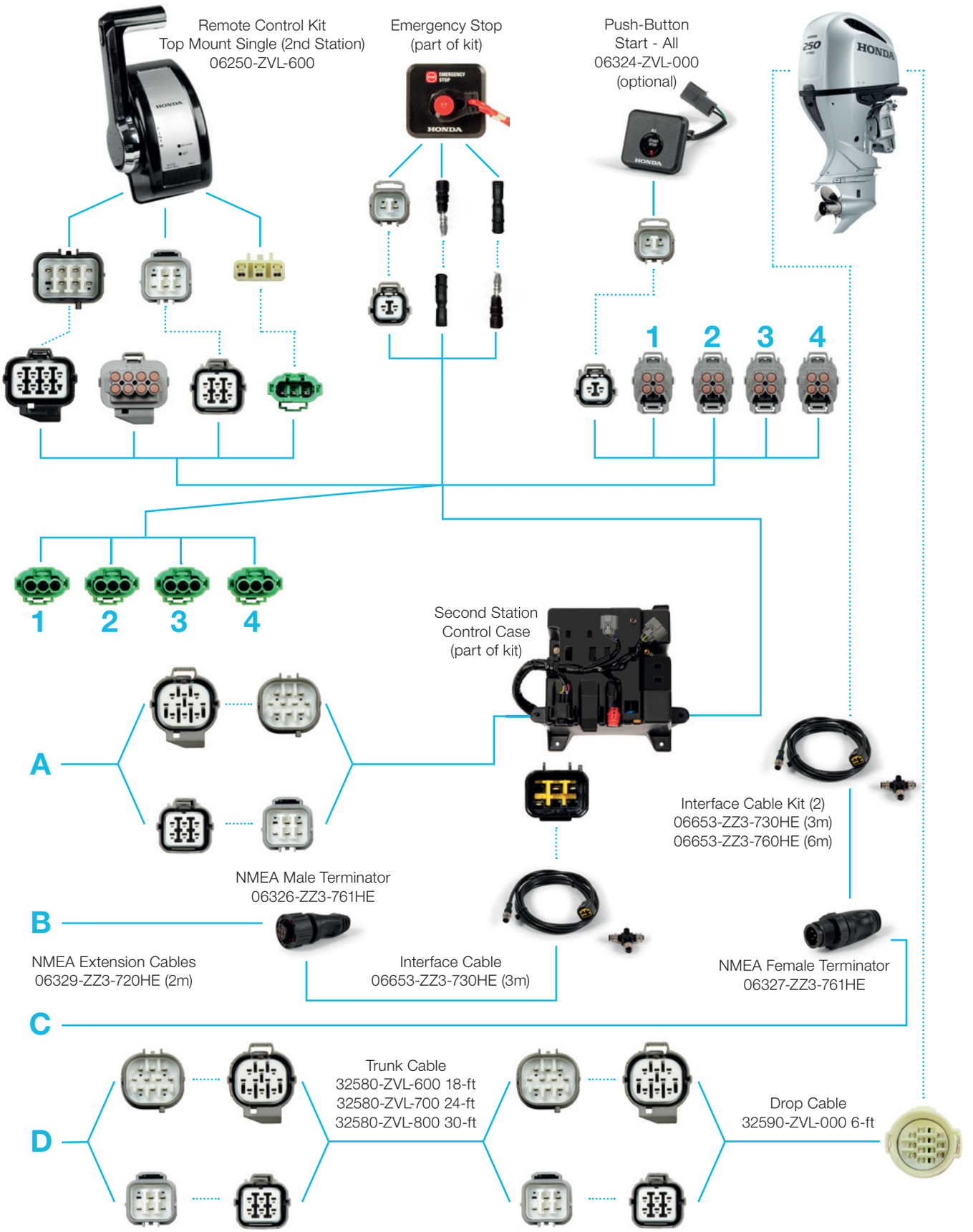
Single Engine, Top-Mount Control With Second Station



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PRE RIGGING

Single Engine, Top-Mount Control With Second Station



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

Single Engine, Top-Mount Control With Second Station

Components required in addition to Single Engine Top Mount Control

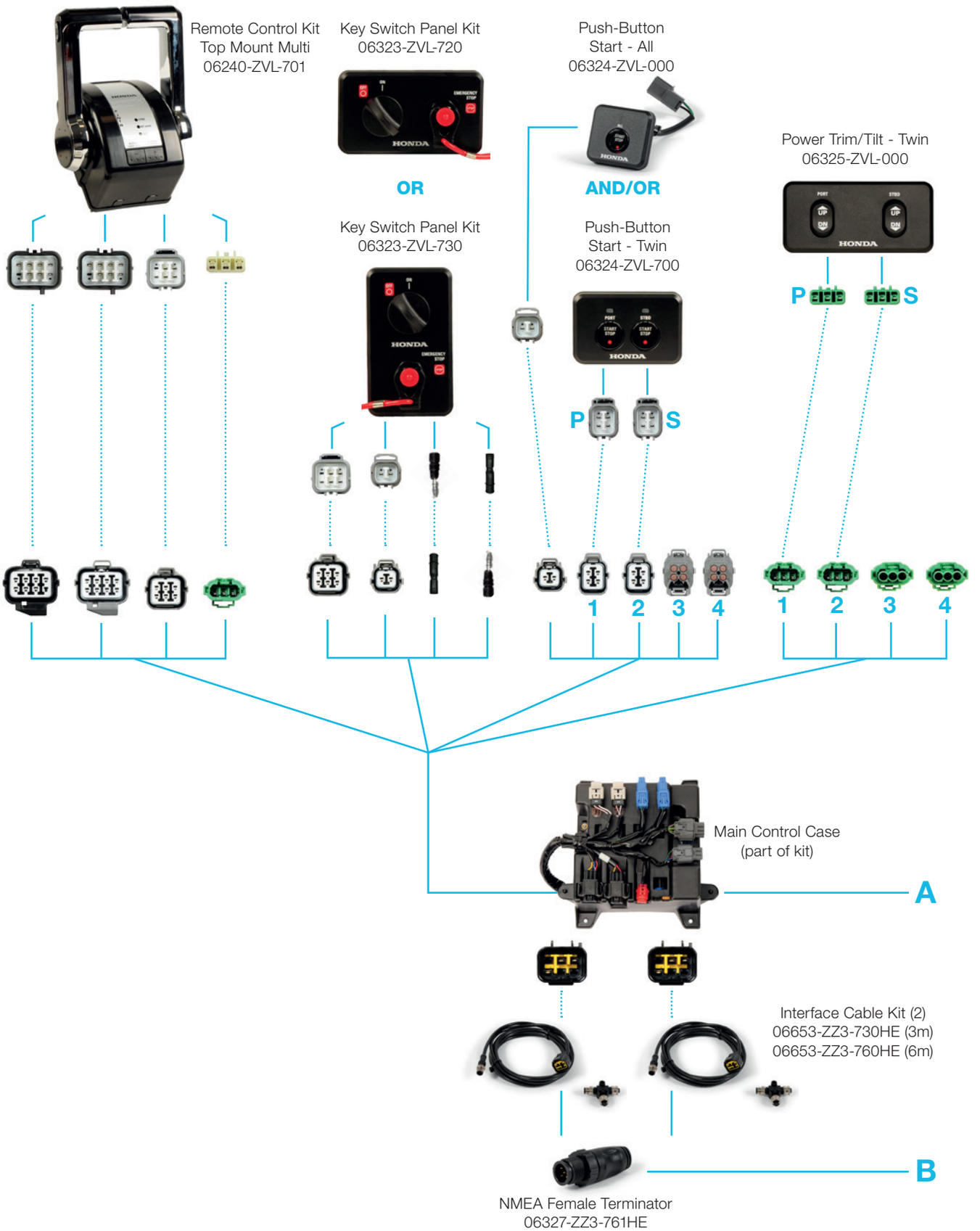
Description	Remarks	Part Number	Quantity Required
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	1
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Panel Kit, Start Stop Switch (All)	Push Start All Engines	**06324-ZVL-000**	1
Box Kit, Remote Control (Top Mount Single) (2ND)	Top Mount R/C 2nd Station	**06250-ZVL-610**	1
Network Cable Extention	6M NMEA2000 Extension Cable	**06329-ZZ3-760HE**	2

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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PRE RIGGING

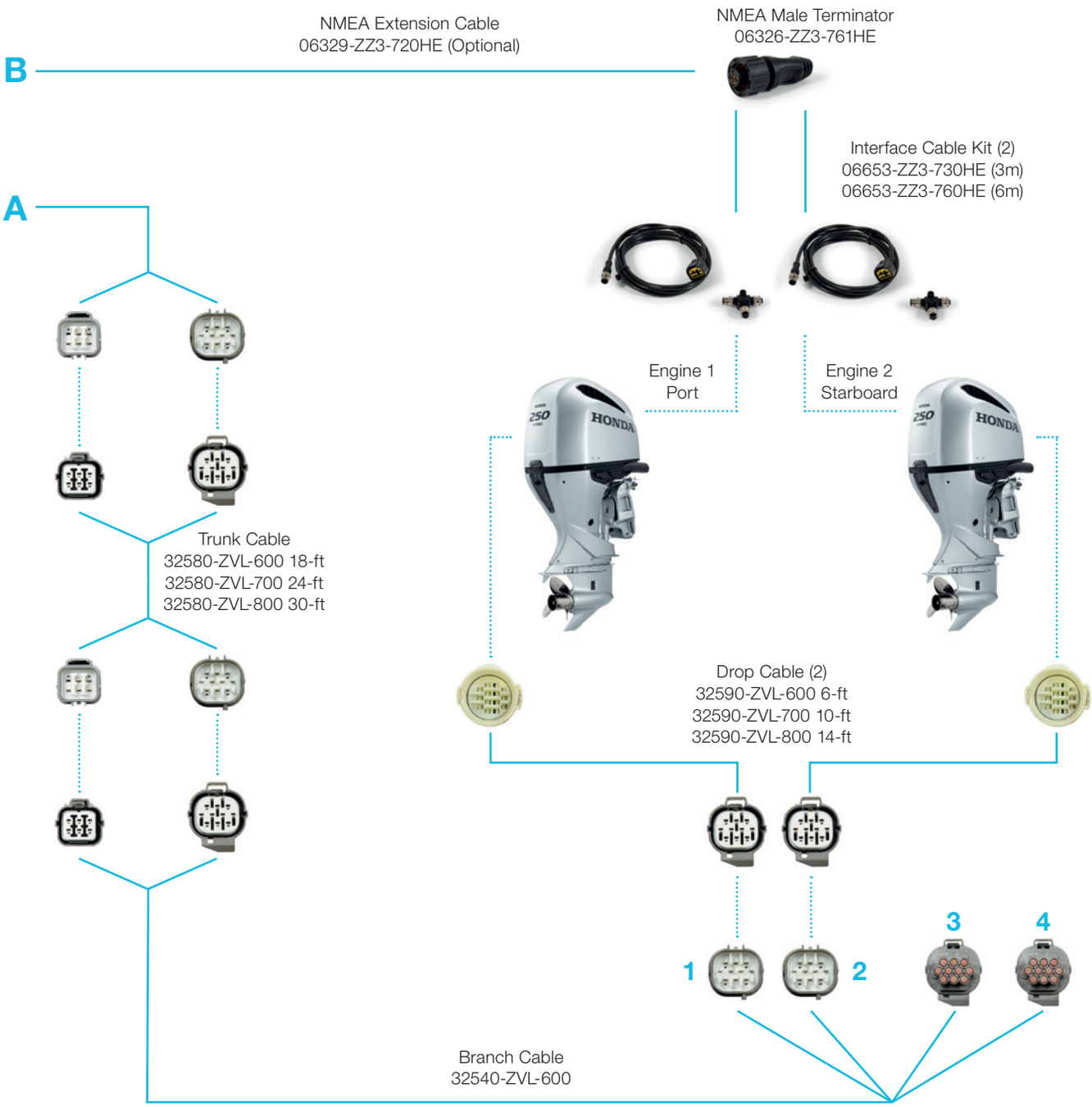
Twin Engine, Top-Mount Control



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PRE RIGGING

Twin Engine, Top-Mount Control



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PRE RIGGING

Twin Engine, Top-Mount Control

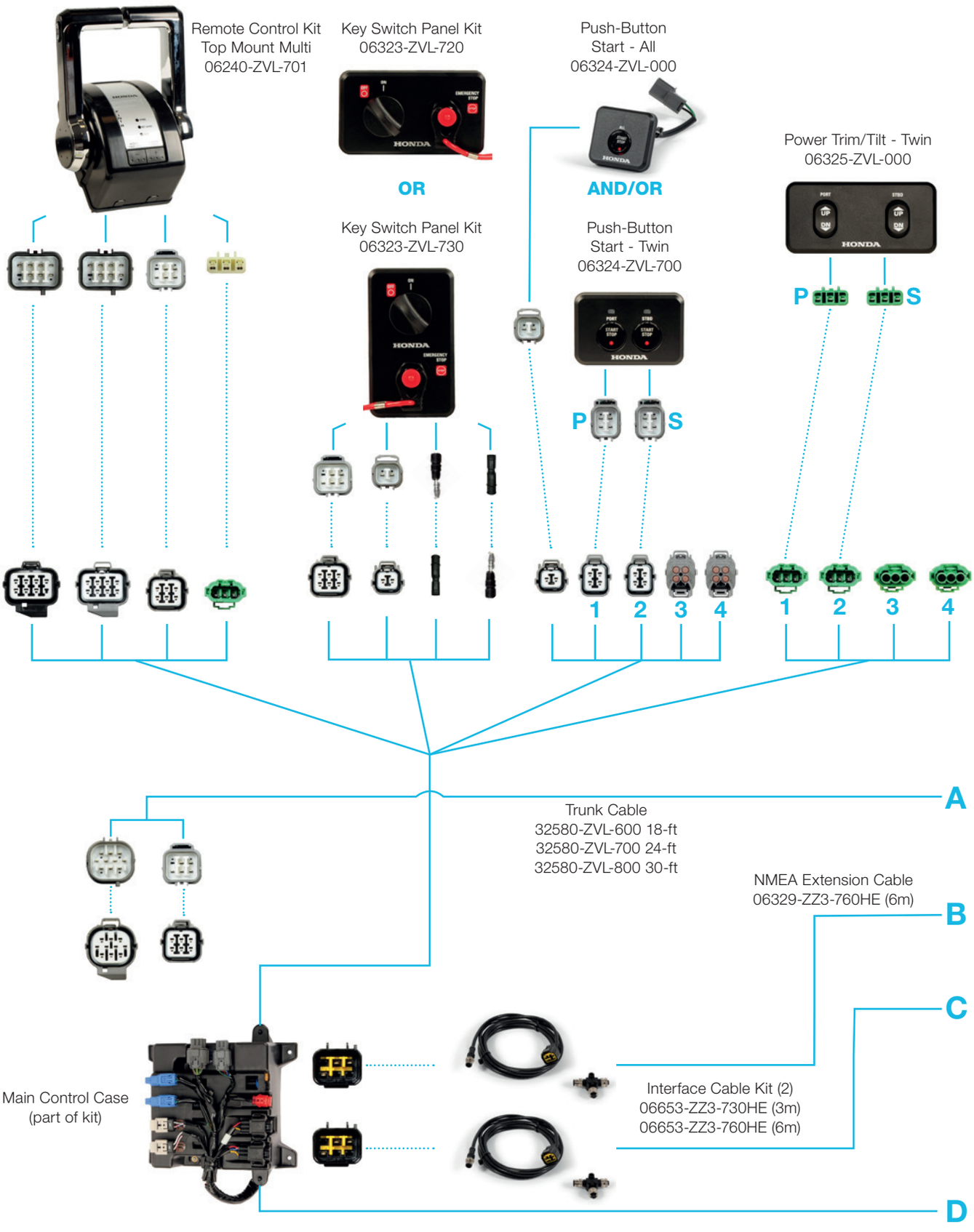
Description	Remarks	Part Number	Quantity Required
Cable Assy, Interface - **SELECT LENGTH**	3M NMEA2000 Control Unit Cable	**06653-ZZ3-730HE**	2
	6M NMEA2000 Control Unit Cable	**06653-ZZ3-760HE**	
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	2
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Drop Cable - **SELECT LENGTH**	6FT Drop Cable for Multi Engine Installation	**32590-ZVL-600**	2
	10FT Drop Cable for Multi Engine Installation	**32590-ZVL-700**	
	14FT Drop Cable for Multi Engine Installation	**32590-ZVL-800**	
Cable Assy, Branch	Branch Cable for Multiple Engine Installation	**32540-ZVL-600**	1
Panel Kit, Key Switch (Start) - **SELECT TYPE**	Single, Horizontal (ON-OFF)	**06323-ZVL-720**	1
	Single, Vertical (ON-OFF)	**06323-ZVL-730**	
Box Kit, Remote Control (Top Mount Dual) (Main)	Top Mount R/C (Dual)	**06240-ZVL-701**	1
Panel Kit, Start Stop Switch (All)	Multiple Installation, Push Start All Engines	**06324-ZVL-000**	1
Panel Kit, Start Stop Switch (Twin)	Twin Installation, Push Start Engines Separately	**06324-ZVL-700**	1
Panel Kit, Power Trim Tilt Switch (Twin)	Twin Installation, Operate PTT's Separately	**06325-ZVL-000**	1
Dummy Water Proof Connector	For Multiple Installation H-CAN Termination	**32108-ZVL-003**	1
T-Connector	NMEA2000 T-Connector for Display	**06325-ZZ3-760HE**	1
Terminator Connectors	NMEA2000 Terminator Male	**06326-ZZ3-761HE**	1
	NMEA2000 Terminator Female	**06327-ZZ3-761HE**	
Display Kit	Display Kit, Cover, Fitting Kit	**06371-ZY6-010**	1
Cable For Display Kit - **SELECT LENGTH**	NMEA2000 Extension 0.3M	**06329-ZZ3-703HE**	1
	NMEA2000 Extension 2M	**06329-ZZ3-720HE**	1

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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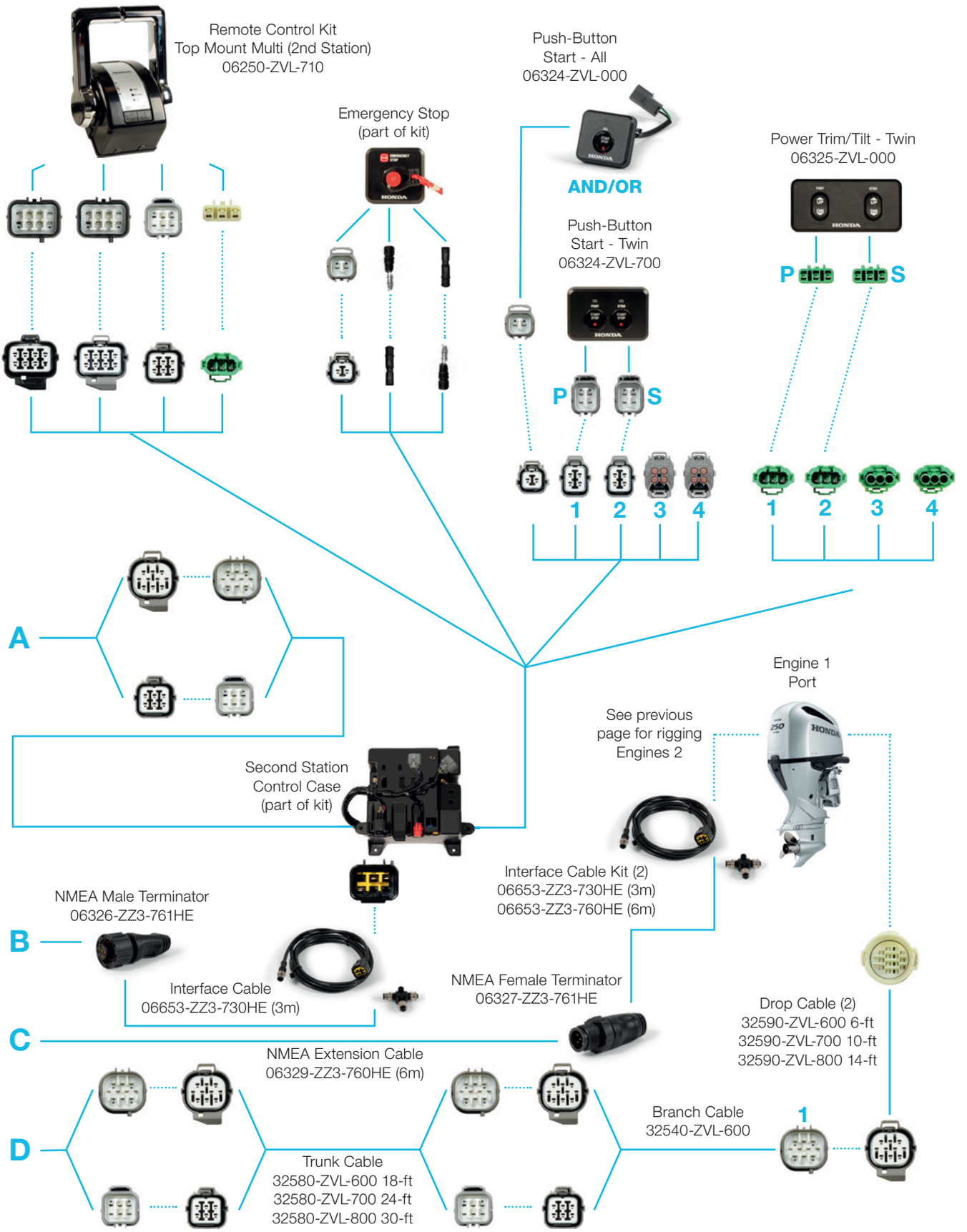
PRE RIGGING

Twin Engine, Top-Mount Control With Second Station



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Twin Engine, Top-Mount Control With Second Station



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Twin Engine, Top-Mount Control With Second Station

Components required in addition to Twin Engine Top Mount Control

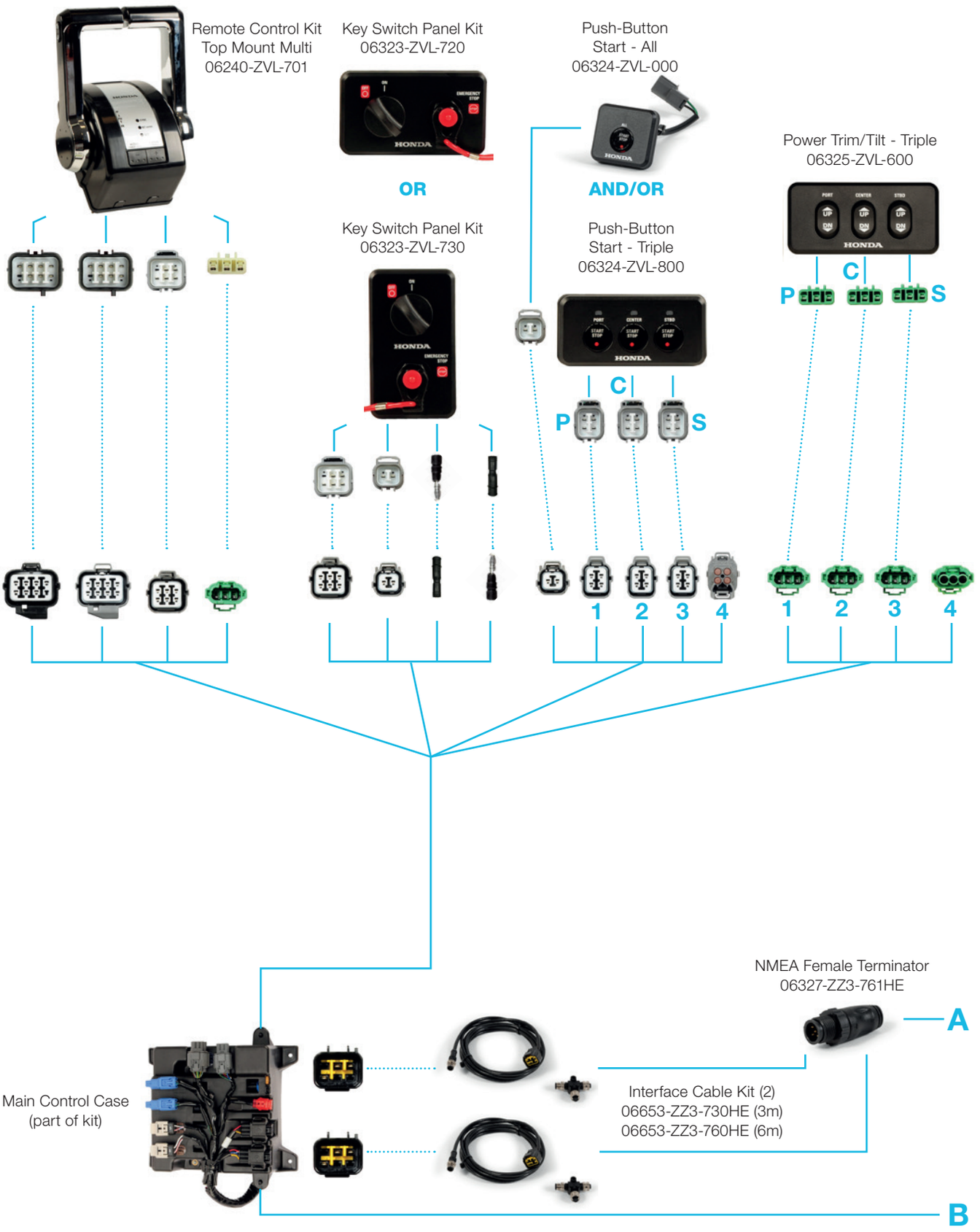
Description	Remarks	Part Number	Quantity Required
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	1
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Panel Kit, Start Stop Switch (All)	Push Start All Engines	**06324-ZVL-000**	1
Box Kit, Remote Control (Mount Dual) (2ND)	Top Mount R/C 2nd Station	**06250-ZVL-710**	1
Network Cable Extension	6m NMEA2000 Extension Cable	**06329-ZZ3-760HE**	2

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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PRE RIGGING

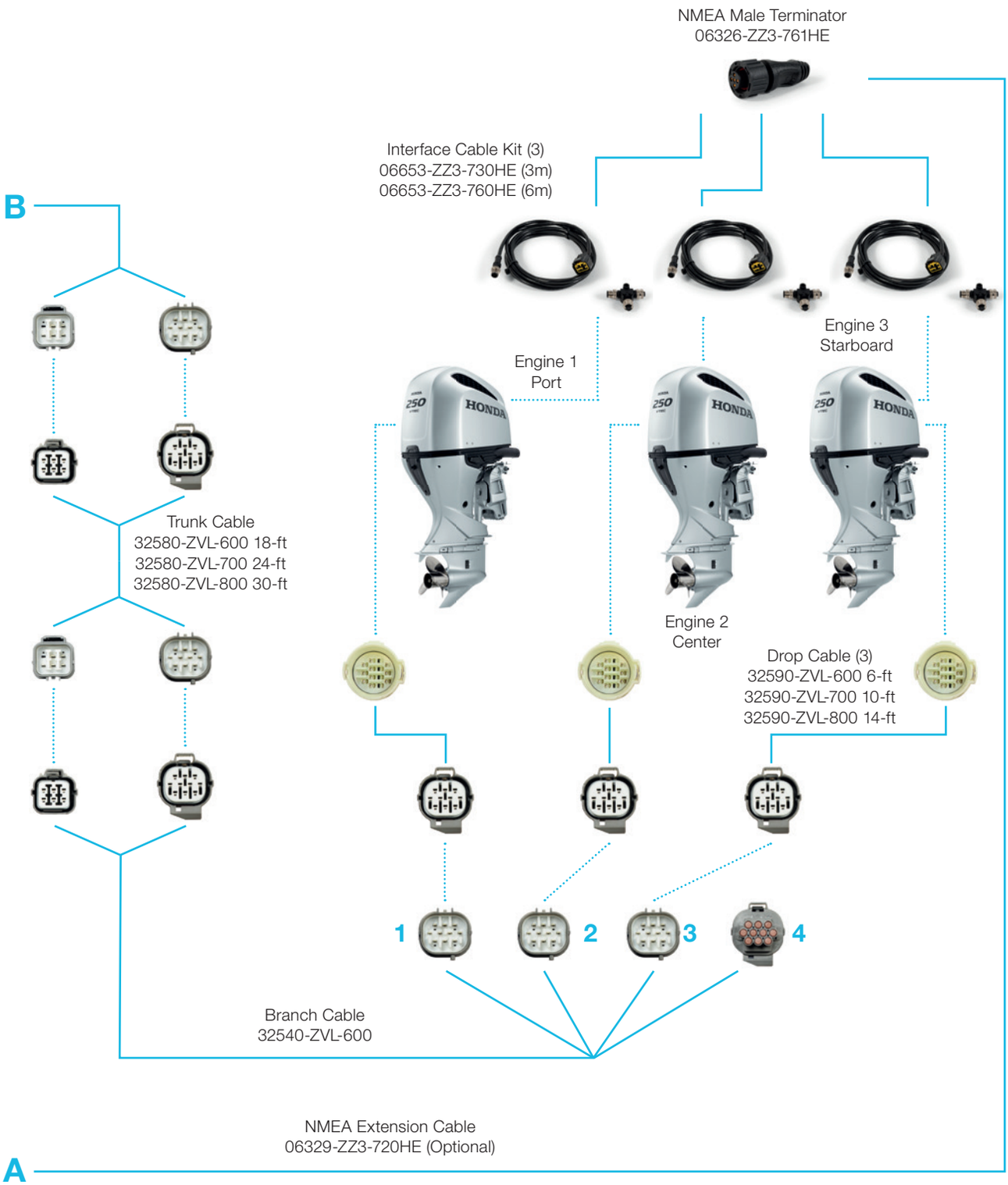
Triple Engine, Top-Mount Control



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PRE RIGGING

Triple Engine, Top-Mount Control



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Triple Engine, Top-Mount Control

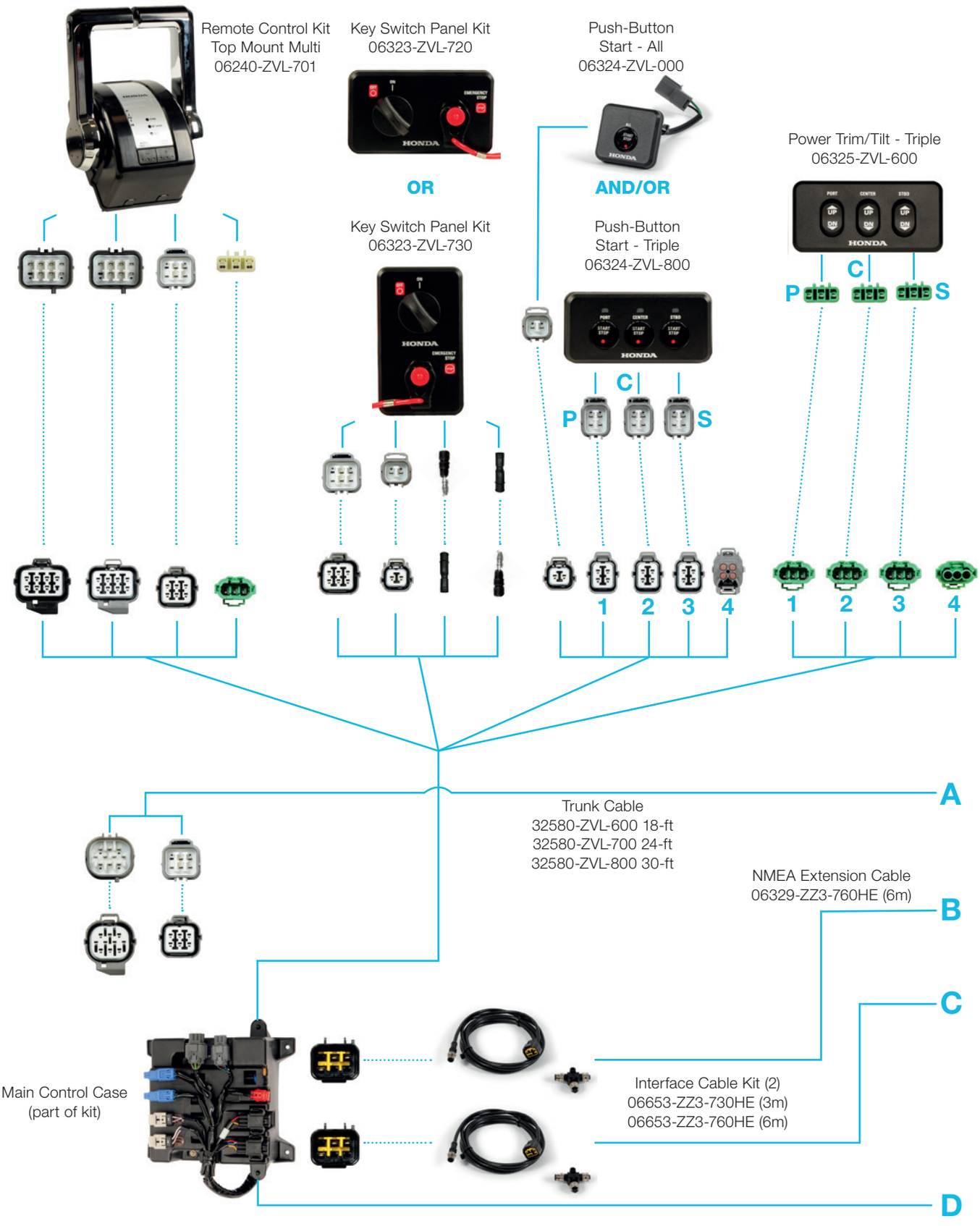
Description	Remarks	Part Number	Quantity Required
Cable Assy, Interface - **SELECT LENGTH**	3M NMEA2000 Control Unit Cable	**06653-ZZ3-730HE**	2
	6M NMEA2000 Control Unit Cable	**06653-ZZ3-760HE**	
	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	3
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Drop Cable - **SELECT LENGTH**	6FT Drop Cable for Multi Engine Installation	**32590-ZVL-600**	3
	10FT Drop Cable for Multi Engine Installation	**32590-ZVL-700**	
	14FT Drop Cable for Multi Engine Installation	**32590-ZVL-800**	
Cable Assy, Branch	Branch Cable for Multiple Engine Installation	**32540-ZVL-600**	1
Panel Kit, Key Switch (Start) - **SELECT TYPE**	Single, Horizontal (ON-OFF)	**06323-ZVL-720**	1
	Single, Vertical (ON-OFF)	**06323-ZVL-730**	
Box Kit, Remote Control (Top Mount Dual) (MAIN)	Top Mount R/C (Dual)	**06240-ZVL-701**	1
Panel Kit, Start Stop Switch (All)	Multiple Installation, Push Start All Engines	**06324-ZVL-000**	1
Panel Kit, Start Stop Switch (Triple)	Triple Installation, Push Start Engines Separately	**06324-ZVL-000**	1
Panel Kit, Power Trim Tilt Switch (Triple)	Triple Installation, Operate PTT's Separately	**06325-ZVL-600**	1
Dummy Water Proof Connector	For Multiple Installation H-CAN Termination	**32108-ZVL-003**	2
T-Connector	NMEA2000 T-Connector for Display	**06325-ZZ3-760HE**	1
Terminator Connectors	NMEA2000 Terminator Male	**06326-ZZ3-761HE**	1
	NMEA2000 Terminator Female	**06327-ZZ3-761HE**	
Display Kit	Display Kit, Cover, Fitting Kit	**06371-ZY6-010**	1
Cable For Display Kit - **SELECT LENGTH**	NMEA2000 Extension 0.3M	**06329-ZZ3-703HE**	1
	NMEA2000 Extension 2M	**06329-ZZ3-720HE**	1

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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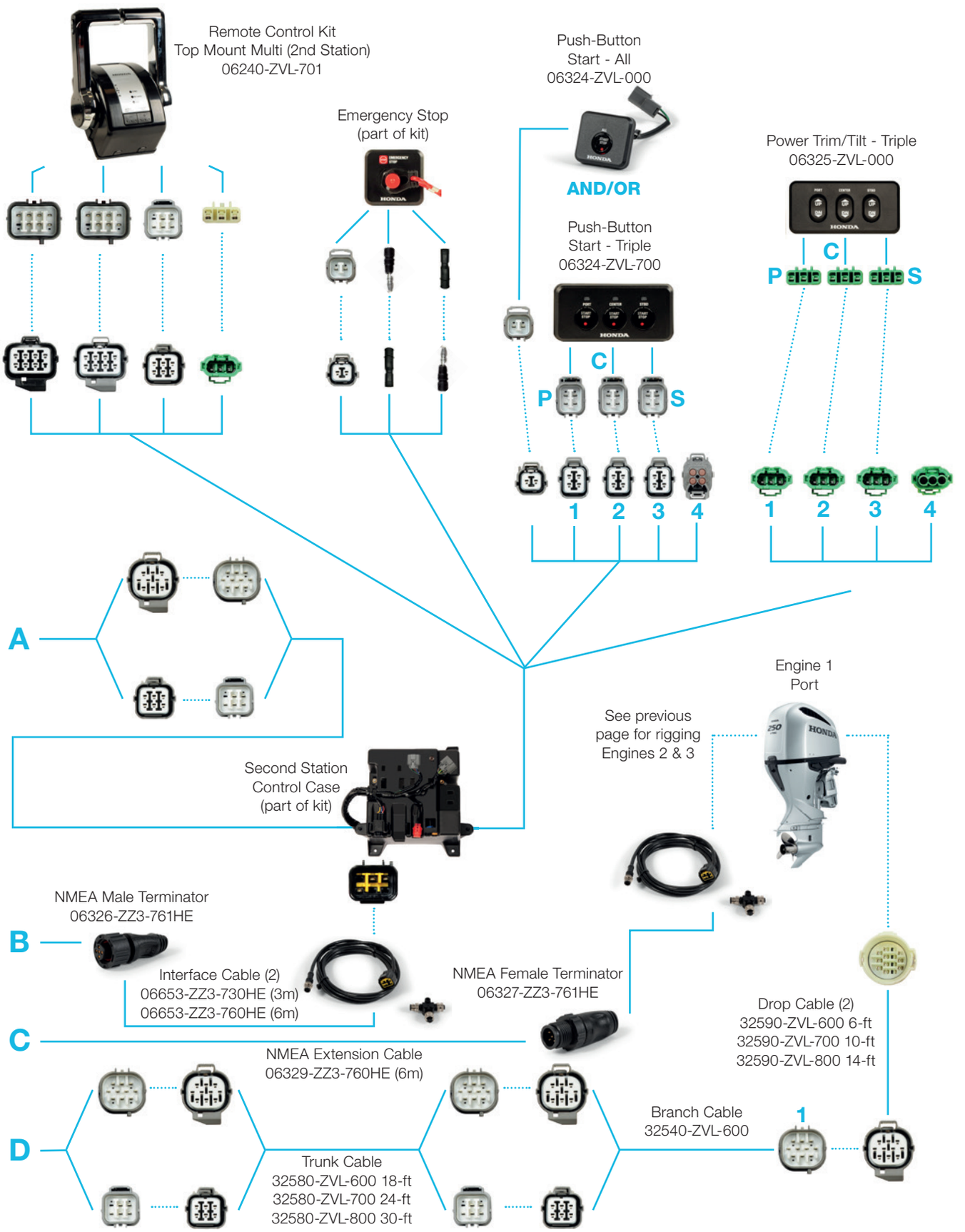
PRE RIGGING

Triple Engine, Top-Mount Control With Second Station



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Triple Engine, Top-Mount Control With Second Station



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

Triple Engine, Top-Mount Control With Second Station

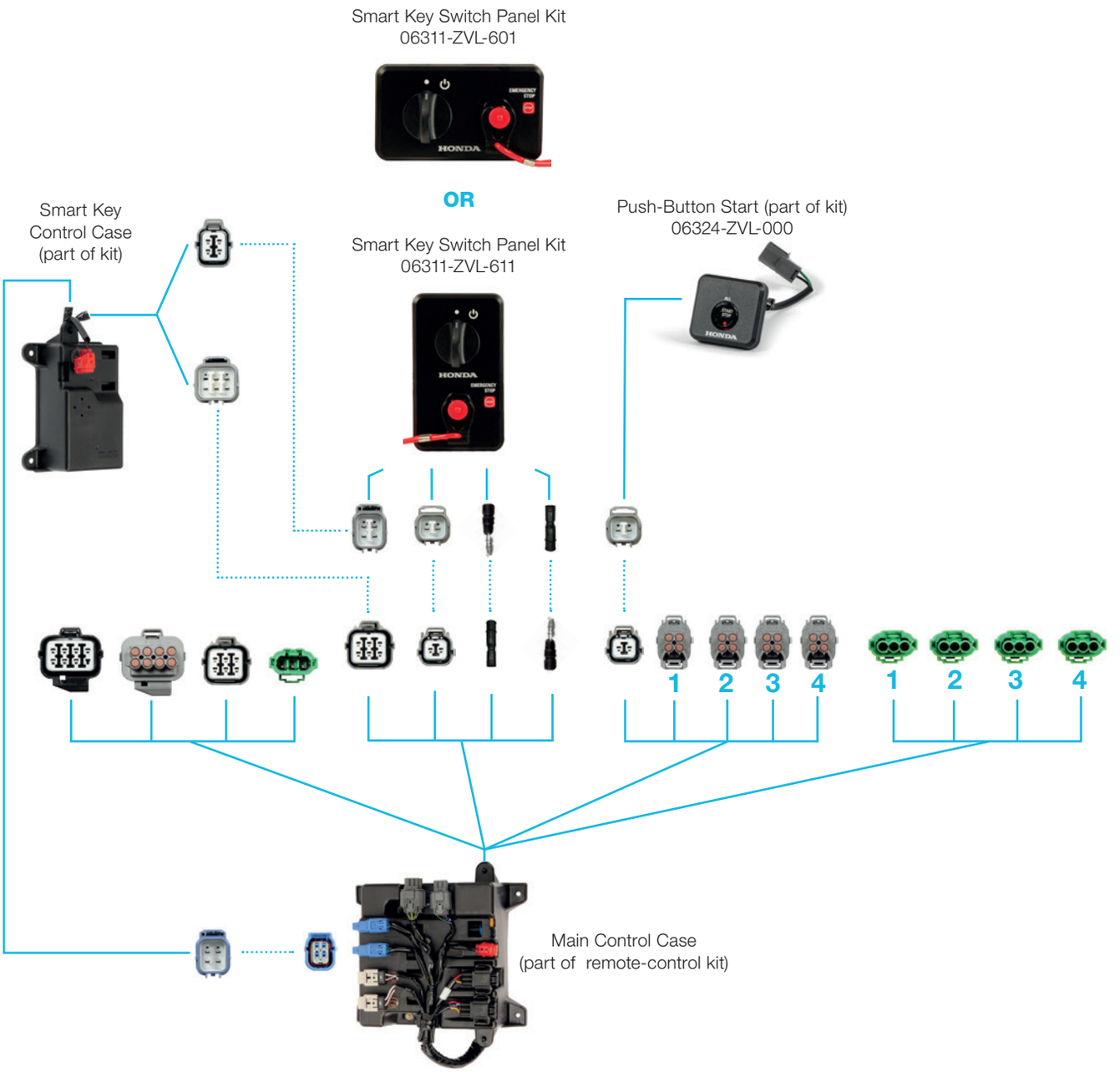
Components required in addition to Twin Engine Top Mount Control

Description	Remarks	Part Number	Quantity Required
Cable Assy, Network - **SELECT LENGTH**	3M NMEA2000 Engine Cable	**06653-ZZ3-730HE**	1
	6M NMEA2000 Engine Cable	**06653-ZZ3-760HE**	
Cable Assy, Trunk DBW - **SELECT LENGTH**	18FT Engine Control Cable	**32580-ZVL-600**	1
	24FT Engine Control Cable	**32580-ZVL-700**	
	30FT Engine Control Cable	**32580-ZVL-800**	
Panel Kit, Start Stop Switch (All)	Push Start All Engines	**06324-ZVL-000**	1
Box Kit, Remote Control (Top Mount Dual) (2ND)	Top Mount R/C 2nd Station	**06250-ZVL-710**	1
Network Cable Extension	6m NMEA2000 Extension Cable	**06329-ZZ3-760HE**	2

Refer to the NMEA2000 standards for correct connection of the display to the NMEA network.

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Smart Key Installation



Description	Remarks	Part Number	Quantity Required
Panel Kit, Key Switch (Start) - **SELECT TYPE**	Single, Horizontal (ON-OFF)	**06311-ZVL-601**	1
	Single, Vertical (ON-OFF)	**06311-ZVL-611**	

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PRE RIGGING

Key Switch Start & Stop



06323-ZVL-810
For DBW type Single ENG



06323-ZVL-720
For DBW type Twin or more ENG



06323-ZVL-820
For DBW type Single ENG



06323-ZVL-730
For DBW type Twin or more ENG

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PRE RIGGING

Smart Key Switch, Start/Stop & PTT Switches



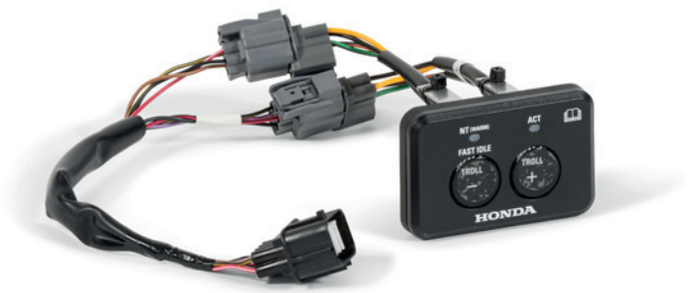
06311-ZVL-601
For Smart Key
Included in Smart Key Kit



06311-ZVL-611
For Smart Key



06324-ZVL-000
Start/Stop push button
For Smart Key System



06326-ZVL-000
Function panel for Flush type
R/C box



06325-ZVL-000
PTT SW for Twin Eng



06324-ZVL-000
Start/Stop push button



06324-ZVL-700
Start/Stop push button



06325-ZVL-600
PTT SW for Triple Eng



06324-ZVL-800
Start/Stop push button

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PRE RIGGING

Engine Start & Stop Switches

Case of Single ENG Installation



Engine can be started using main key switch panel



SINGLE ENGINE

Case of Multi ENG Installation



MUST HAVE



Main system turned on by mechanical key.



OR BOTH



And then, Engine start using push buttons

TWIN ENGINES



MUST HAVE



Main system turned on by mechanical key.



OR BOTH



And then, Engine start using push buttons

TRIPLE ENGINES



MUST HAVE



Main system turned on by mechanical key.



OR BOTH





And then, Engine start using push buttons

QUAD ENGINES

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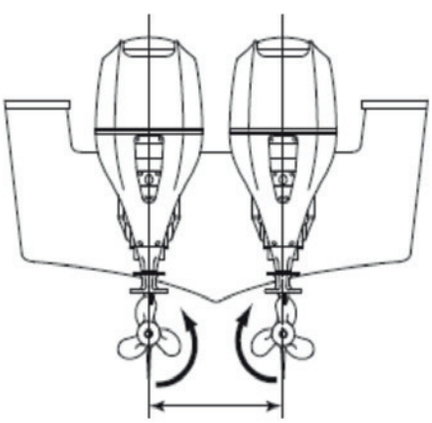
PRE RIGGING

Twin Engine Set-up

Minimum Engine Centre Distance

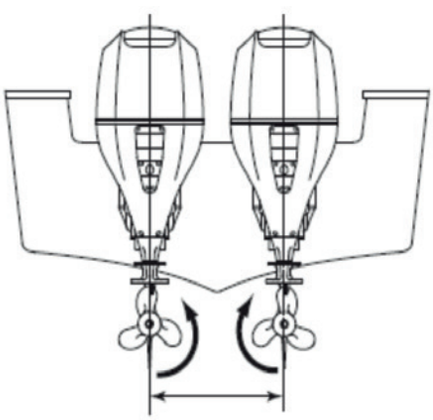


CURRENT V6 ENGINES



660mm (26in) MINIMUM

NEW V6 ENGINES



711mm (28in) MINIMUM

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PRE RIGGING

Battery Cable Extension

Applicable Model	Temperature	Battery	Max total extention length				
			AWG4 20mm²	AWG2 30mm²	AWG1/0 50mm²	AWG2/0 60mm²	AWG4/0 100mm²
BF175/200/225/250 DBW model AND BF200/225/250 Mechanic model	Air Temperature 0°C or more	12V-110Ah/20HR	5.5m (18ft)	8.3m (28ft)	13.8m (48ft)	16.6m (55ft)	26.0m (85ft)
	Air Temperature 0°C ~ -15°C or less	12V-110Ah/20HR	2.3m (8ft)	3.5m (12ft)	5.8m (19ft)	7m (23ft)	12.5m (41ft)

When extending the battery cables use the table above to select the correct gauge of cable for the **combined length** of all the extension cables.

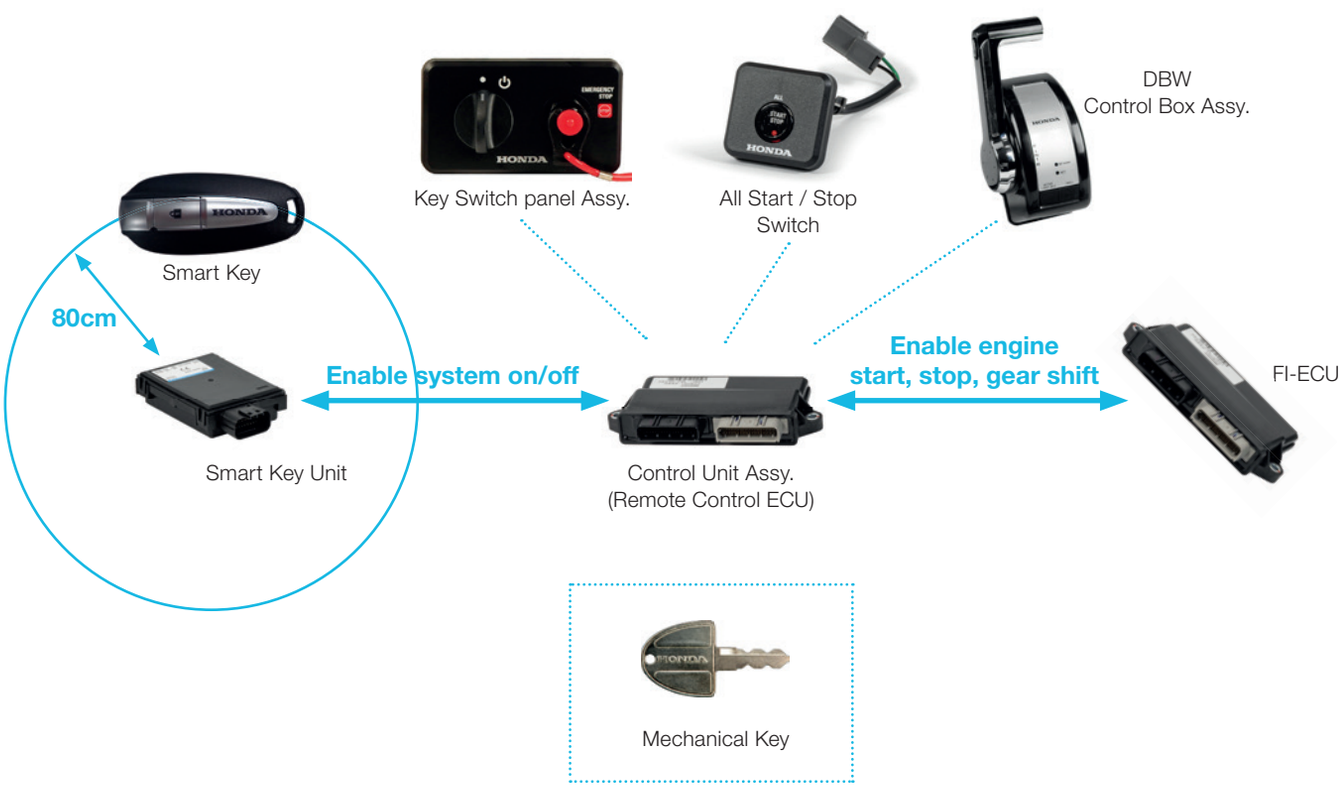
When fitting a battery isolator the switch must be capable of carrying a **minimum** current of 300 amps.

Each battery must be 110Ah/20HR (CCA799) minimum. One battery is required for each installed engine.

The cable lenghts stated in the above table are combined lengths including all live and ground cables combined.

Smart Key System

A **mechanical key** is supplied with the smart key system. The ignition switch (IG/SW) can be operated using the supplied mechanical key if the smart key is misplaced. However, when the engine is started using the mechanical key there will be a 3000rpm limit on engine speed. The engine speed restriction can be overridden using the PIN code.



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PRE RIGGING

Engine Control Set-up

ENGINE INSTANCE NUMBER USING DR H

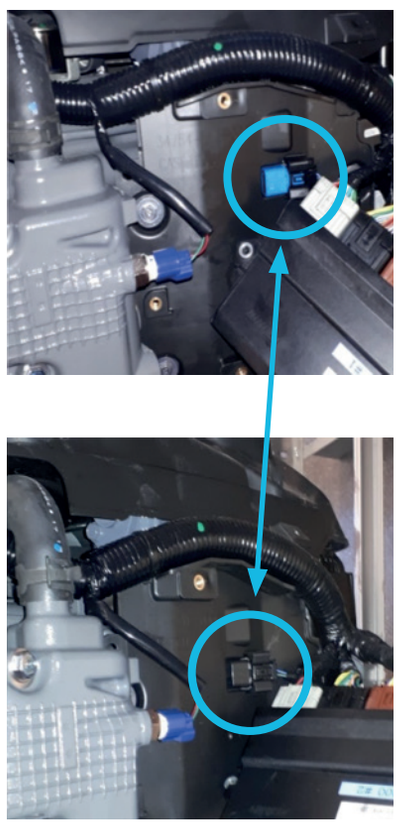






Using Dr H to set the correct engine number and which engine responds to which lever when using dual top mount remote control.

APPLICATION OF THE "DUMMY" CONNECTOR TO TERMINATE THE H-CAN



Replace the blue terminator under ECU, with the "DUMMY" connector on all engines except the port engine.

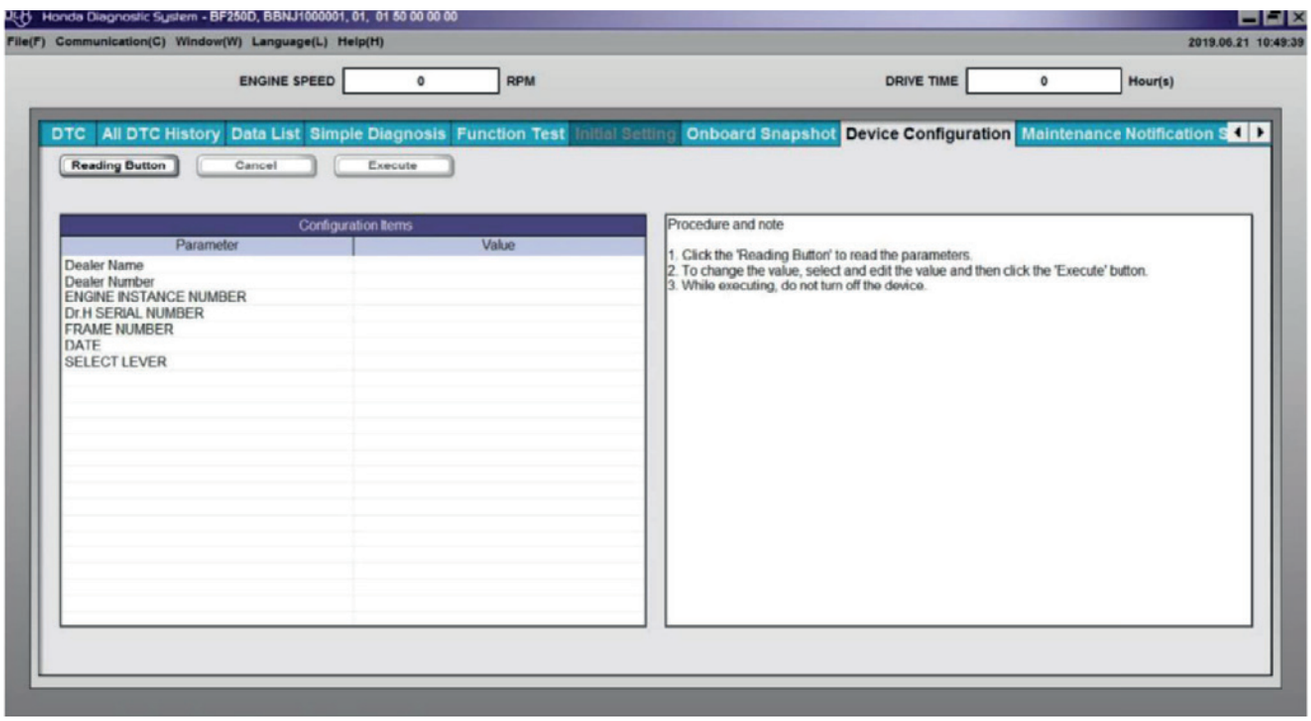
* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PRE RIGGING

Engine Control Set-up

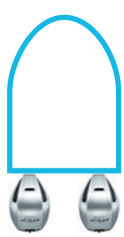
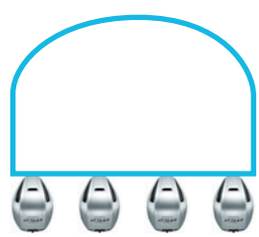
Use the Dr H “Device Configuration” tab to assign each of the engines an instance number and which **remote-control** lever will control which engine.

NOTE: This procedure is not required for single engine installations. However, in multiple engine configurations connect Dr H to and configure each engine in the installation.



Engine Control Set-up

Below are examples of different configurations with each engine having a different incidence number and remote-control lever assigned to it.

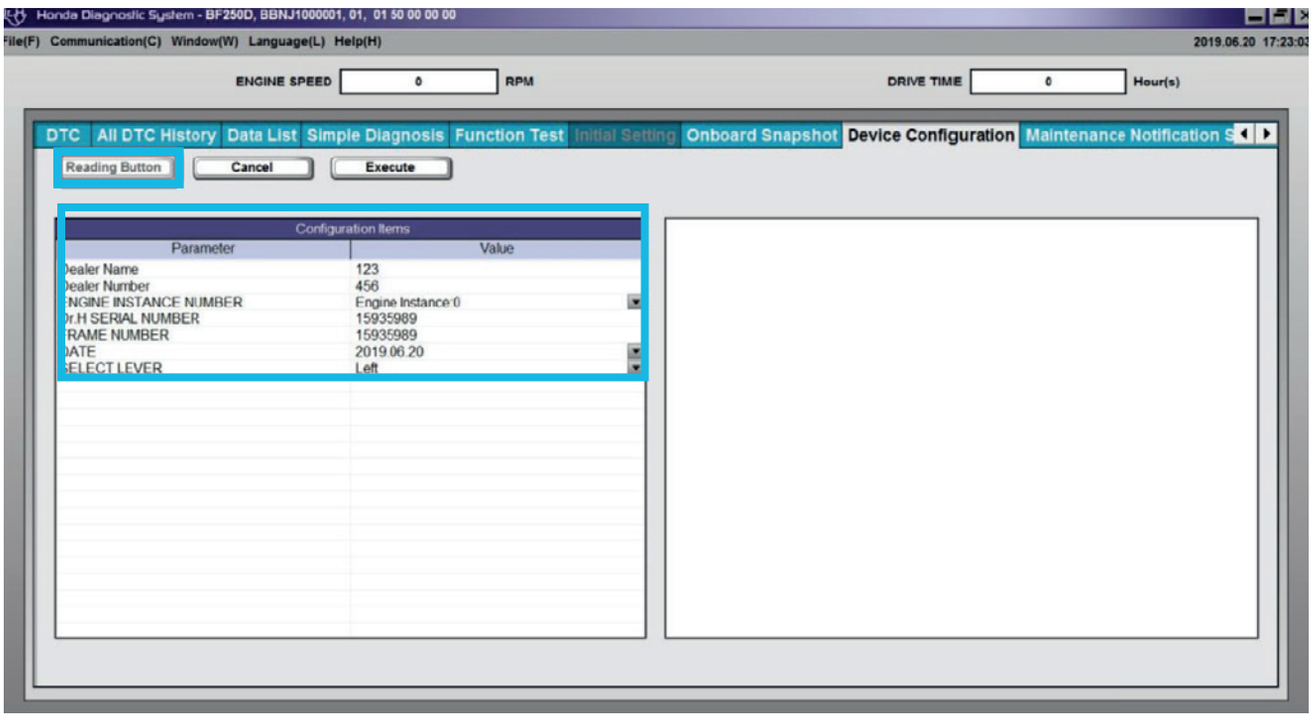
Number of engines	2		3			4			
Position	PORT	STB	PORT	CENTER	STB	PORT	C.PORT	C.STB	STB
									
Engine instance number	0	1	0	1	2	0	1	2	2
Lever left / right	L	R	L	L or R	R	L	L	R	R

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

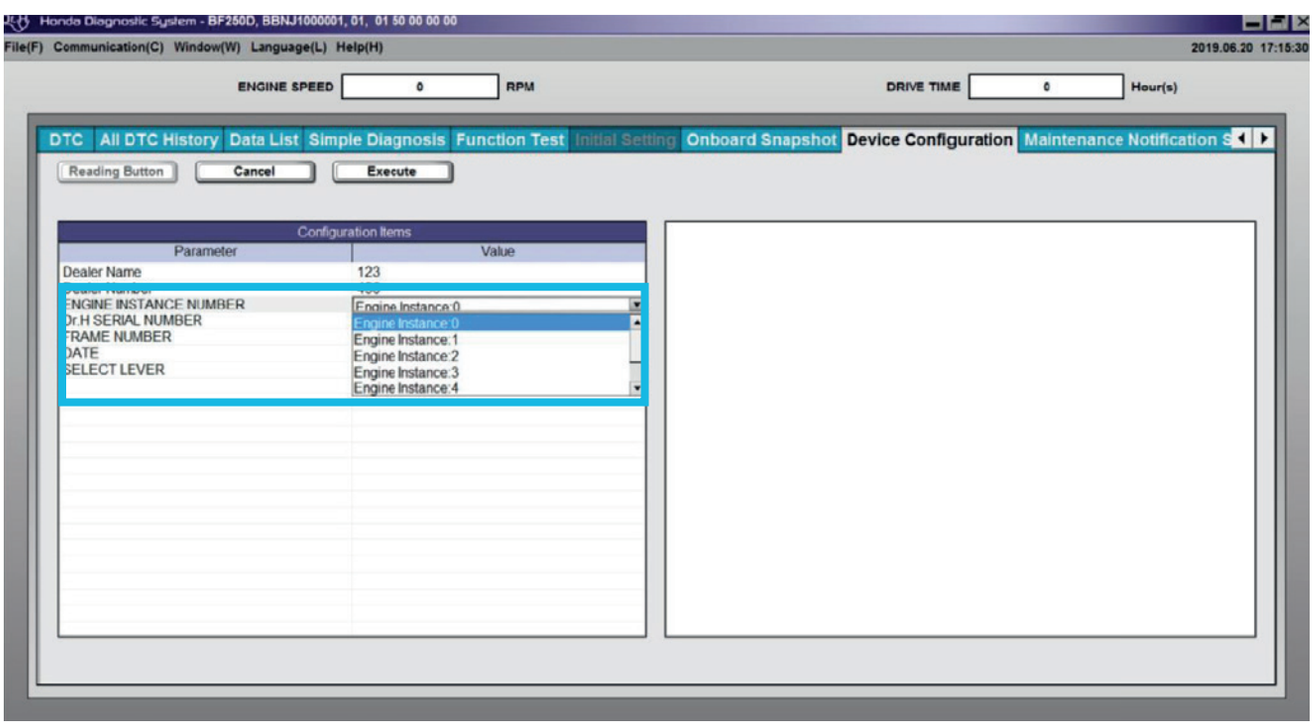
PRE RIGGING

Engine Control Set-up

Connect the Dr H unit to the engine in the normal way. Select the “Device Configuration” tab and then press the “Reading Button”. Information on the current configuration of the engine will be displayed as shown below.



Select the relevant instance number from the drop-down menu for the engine you are configuring.
(Refer to the previous chart)

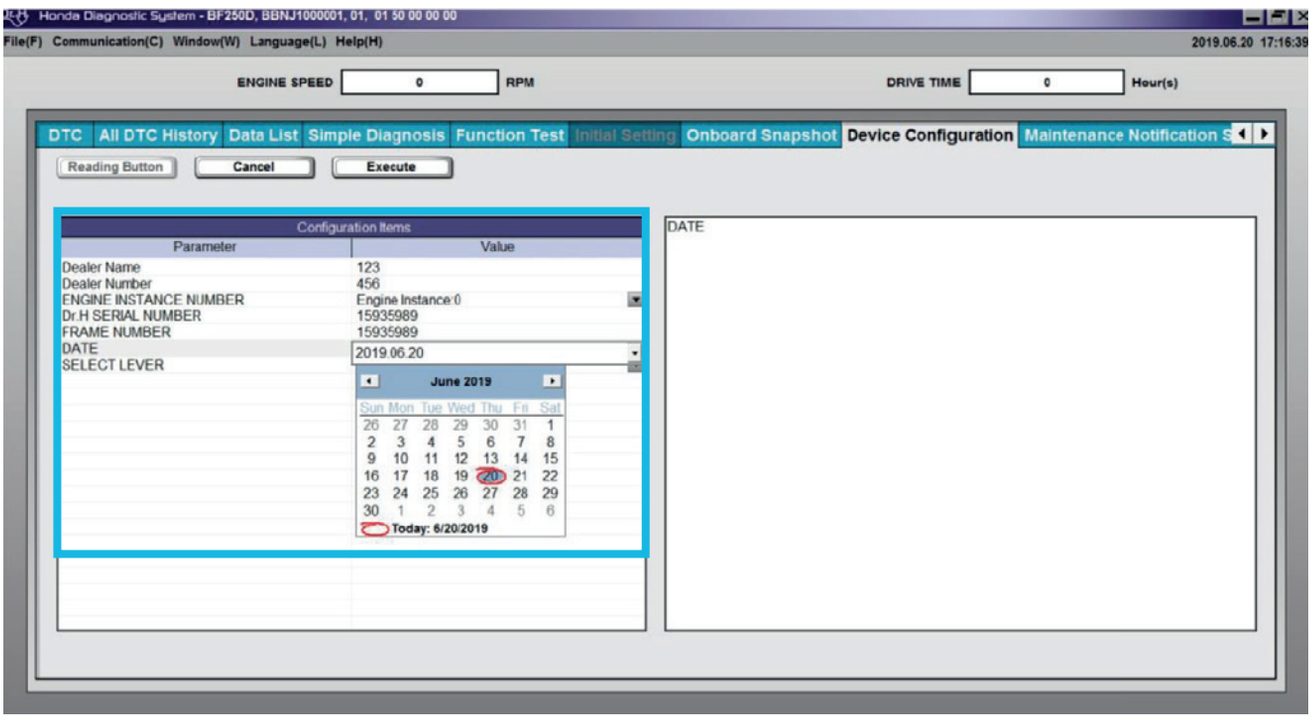


* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

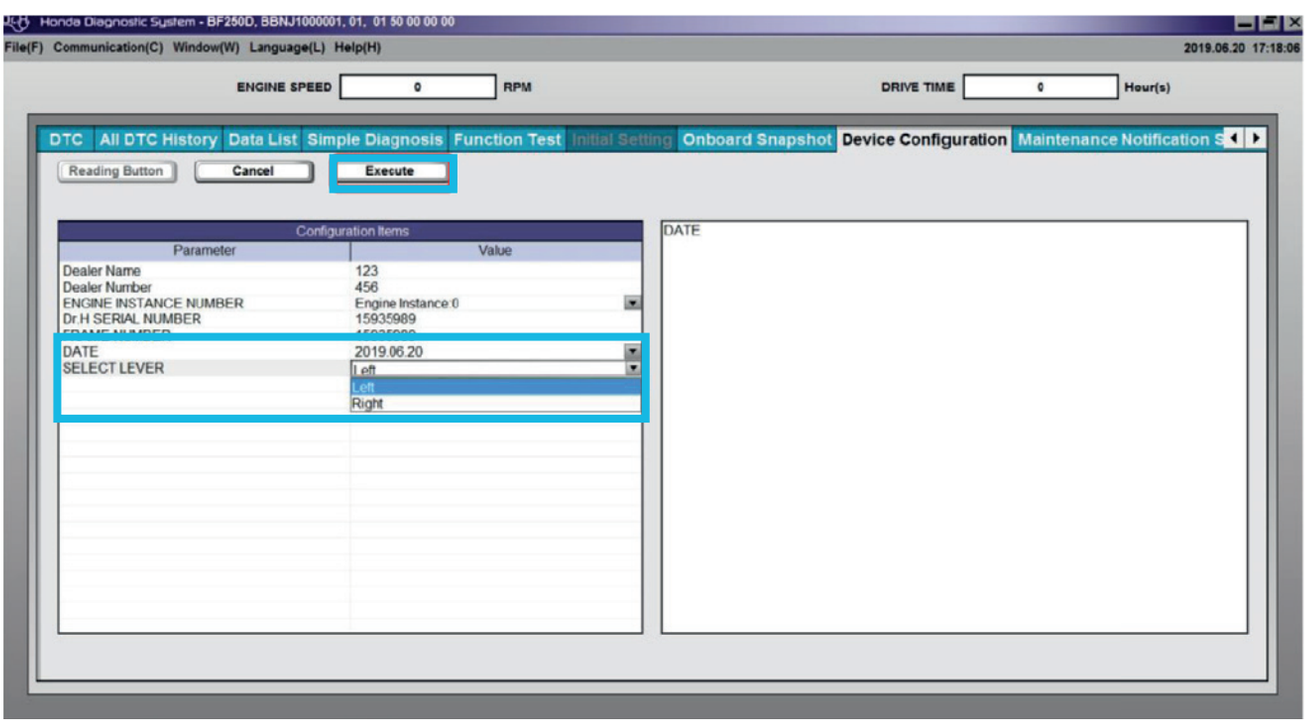
PRE RIGGING

Engine Control Set-up

Enter the serial number for the Dr H you are using and the engines frame number. Then select the current date from the calendar drop down menu.



Select which remote control lever the engine will be controlled by. The “Execute” button should now become active. Press the “Execute” button to write the information to the engine. **NOTE**: Do not turn off the ignition whilst the configuration is in progress.

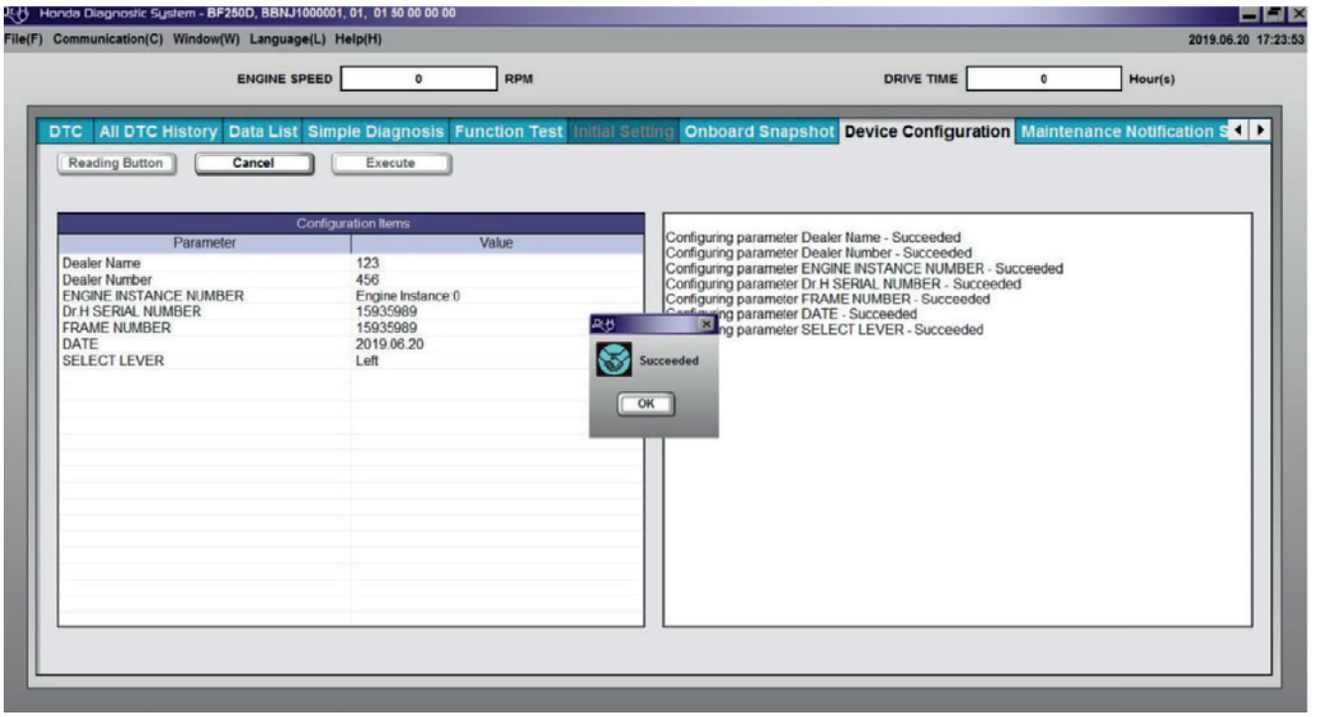


* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

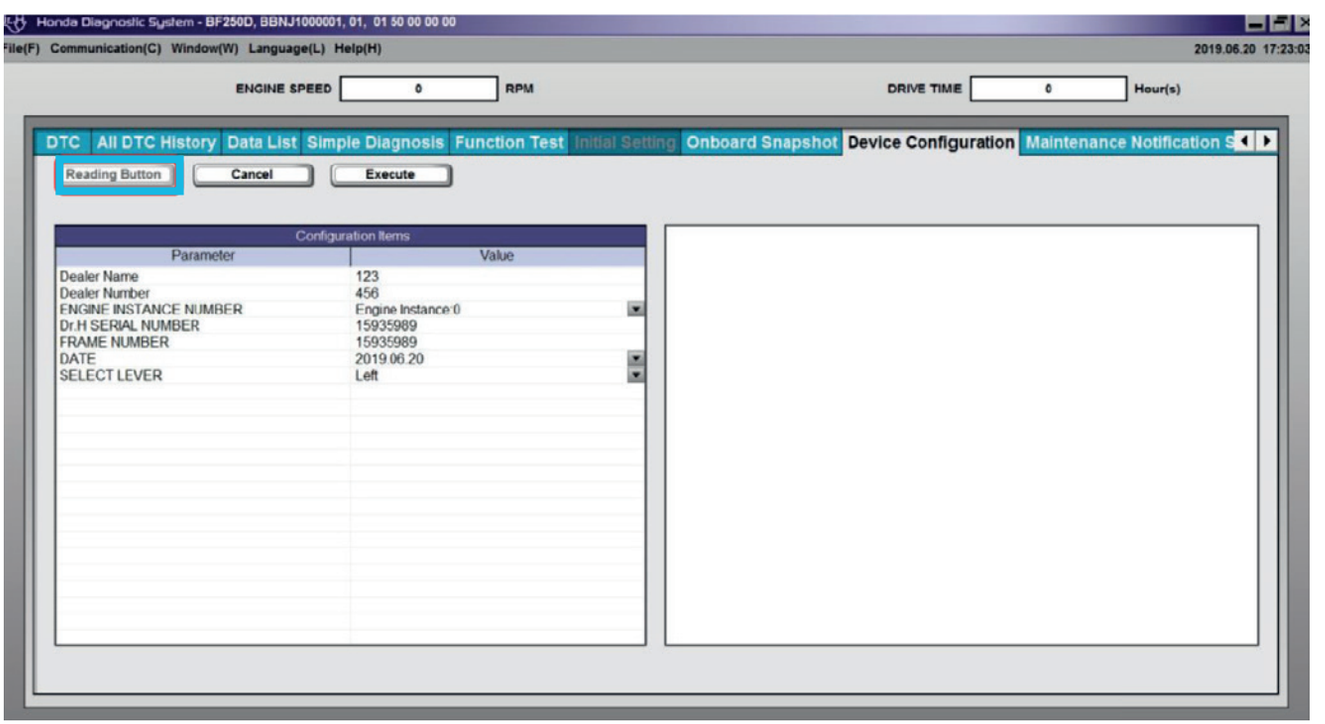
PRE RIGGING

Engine Control Set-up

When the page below is displayed the engine configuration procedure has been successful.



After the configuration is complete press the “Reading Button” once again to confirm that the configuration setting are correct. Finally turn the ignition off then back on and check that the engine functions correctly.



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NMEA 2000



HONDA MARINE | ENGINEERING FOR *Life*

NMEA 2000

NMEA 2000 (N2K) Communication Cable (N2K Drop cable)



Description

- NMEA 2000 communication cable permits direct connection of N2K engines to existing CAN Network

Application	Cable	Part Number	Comments
BF40D - BF50 BF60A BFP60A BF80A - BF100A	3M	**06653-ZZ3-730HE**	3 meter drop cable kit (includes T connector)
BF115D BBHJ 1000001 ~ BF135A BARJ 1003841 ~ BF135A BASJ 1000314 ~ (CR Type) BF150A BANJ 1010488 ~ BF150A BAPJ 1001415 ~ (CR type) BF175AK3 BAJJ - 1300001 - BF200AK3 BAEJ - 1600002 - BF200AK3 BAFJ - 1600001 - (CR type) BF225AK3 BAGJ - 1600012 - BF225AK3 BAHJ - 1600003 - (CR type) BF250A BBJJ - 1000001 - BF250A BBJJ - 1000001 - (CR type)	6M	**06653-ZZ3-760HE**	6 meter drop cable kit (includes T connector)

NMEA 2000 (N2K) T connector & Terminators



Description

T piece connectors and terminators to be used for:

- Creation of CANbus network
- Expansion of existing CANbus network

Application	Part Number	Comments
	06325-ZX2-000EU	T connector gauge
BF40D - BF50 BF60A BFP60A BF80A - BF100A BF115D BBHJ 1000001 ~ BF135A BARJ 1003841 ~ BF135A BASJ 1000314 ~ (CR Type) BF150A BANJ 1010488 ~ BF150A BAPJ 1001415 ~ (CR type) BF175AK3 BAJJ - 1300001 - BF200AK3 BAEJ - 1600002 - BF200AK3 BAFJ - 1600001 - (CR type) BF225AK3 BAGJ - 1600012 - BF225AK3 BAHJ - 1600003 - (CR type) BF250A BBJJ - 1000001 - BF250A BBJJ - 1000001 - (CR type)	**06325-ZZ3-760HE**	T piece connector
	06325-ZZ3-002HE	T piece connector dual channel
	06325-ZZ3-004HE	T piece connector quad channel
	06326-ZZ3-761HE	Male terminator
	06327-ZZ3-761HE	Female terminator

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

NMEA 2000

NMEA 2000 (N2K) CANbus Network Components





Description

- Extension cables
- 12 volt power lead
- NMEA 2000 Starter kit

NMEA 2000 extension cables are designed to extend the CANbus network, not for the engine drop cable

Application	Part Number	Comments
BF40D - BF50 BF60A BFP60A BF80A - BF100A BF115D BBHJ 1000001 ~ BF135A BARJ 1003841 ~ BF135A BASJ 1000314 ~ (CR Type) BF150A BANJ 1010488 ~ BF150A BAPJ 1001415 ~ (CR type) BF175AK3 BAJJ - 1300001 - BF200AK3 BAEJ - 1600002 - BF200AK3 BAFJ - 1600001 - (CR type) BF225AK3 BAGJ - 1600012 - BF225AK3 BAHJ - 1600003 - (CR type) BF250A BBJJ - 1000001 - BF250A BBJJ - 1000001 - (CR type)	**06329-ZZ3-000HE**	NMEA 2000 Power Lead
	06329-ZZ3-703HE	NMEA 2000 Extension (0.3M)
	06329-ZZ3-720HE	NMEA 2000 Extension (2.0M)
	06329-ZZ3-U00HE	NMEA 2000 starter kit 12 Volt power lead, terminators male/ female, T connector

NMEA 2000 Fuel tank sender adaptor kit

Part Number
06385-ZX2-000HE



Description

- High ±1% Accuracy
- Low cost
- Suits 0-180 and 240-30 Ohm Senders
- Fuel, Freshwater, Wastewater, Oil,
- Live Well or Blackwater
- Up to 16 tanks of each type
- Robust Aluminium Construction sealed to IP67
- Easy to Install
- Simple switch setup
- Under 50mA Power Usage

NMEA volumetric fuel sender

Part Number	Fuel Sender
06385-ZX2-100HE	**5 bolt mount 500mm**
06385-ZX2-300HE	**BSP mount 500mm**

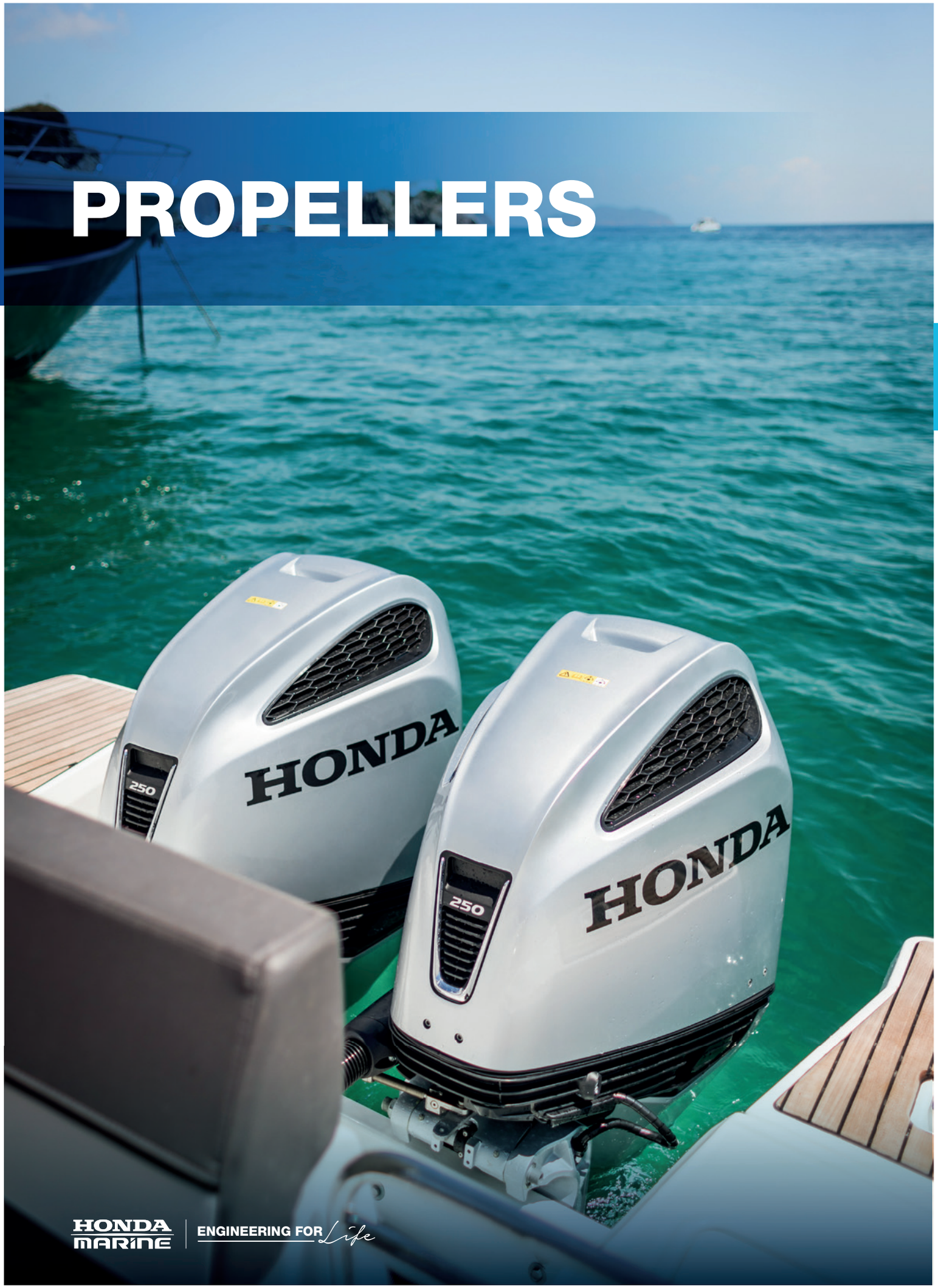




Description The NMEA2000 Volumetric Fuel Level Senders provide accurate fuel level information on to the NMEA2000 network. They monitor for water contamination and send a warning to the display if water is detected in the fuel. They have no moving parts and have a damping effect to increase the accuracy of fuel level measurement during rough conditions. The sensor is available in standard SAE 5 bolt fitting, or 1.25 inch BSP thread fitting and can be cut to fit any tank depth from 250mm to 500mm.

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PROPELLERS



HONDA MARINE | ENGINEERING FOR *Life*

PROPELLERS

ADDITIONAL MOUNTING/INSTALLATION INFO

The range of Honda propellers has been carefully selected to ensure that precise matching of customers boats and Honda Outboards can be undertaken. It is essential that the correct selection is made for the customer to ensure the perfect match for the boat package is achieved, thus meeting customer expectations. A wide variety of propellers, (varying in diameter & pitch) have been made available to ensure engines operate within the Honda recommended operating range.

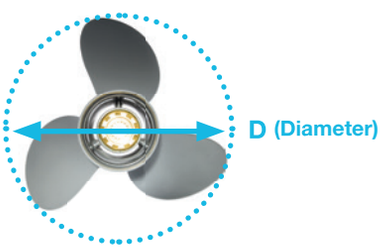
When mounting Outboard Motors, some factors must be considered prior to installation. All of these are important to boat handling, engine performance and to maximise engine fuel efficiency.



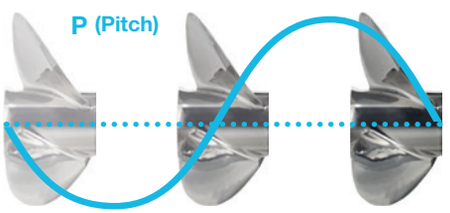
1/ Horizontal Positioning
In most boat applications, engine location is normally at centre line of the transom. However, some boats do require a slight offset to starboard side. The boat manufacturer should provide details on the necessity of this if required. For twin motor applications, both outboards must be mounted at the same distance from the centre point on the transom of the boat.



2/ Vertical Positioning
The vertical positioning of the engine is also very important and this will directly affect cavitation/ ventilation characteristics, top speed and fuel efficiency. The chosen height position will be different on boat types and dependant on boat hull shape, weight and usage, such as high performance, fishing, commercial, cruising etc. The position for optimum performance may need to be decided upon, only after on water testing with different height settings and propeller types. Always allow for passengers, fuel and equipment on board when determining propeller type.



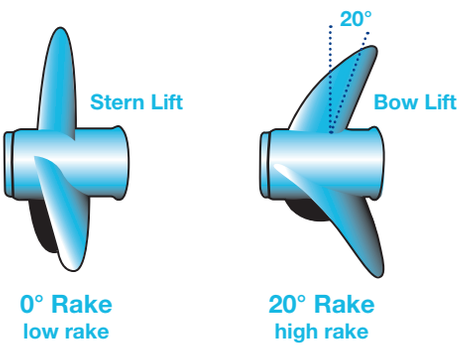
Diameter:
Is the distance between propeller blade tips through the centre line of the propeller. Large diameter propellers are commonly found on larger slower moving boats and smaller diameter propellers on faster moving craft.



Pitch:
Is the theoretical distance the propeller travels forward upon completion of a full 360° of rotation. This is defined as the propeller pitch. However, as water is not a solid, this figure will not be achieved due to "slip" in the water.

Tip: 1"(25MM) change of pitch will vary engine rpm by approximately 300 / 400 rpm

Rake:
The propeller rake is given by the angle between the vertical line on the prop axis and a line following the edge of the blade. If viewed from the side, the blades will be seen to slope forward or rearward, positive or negative rake. High rake propellers provide better results on higher mounted or trimmed outboards. In general, if the negative rake angle is large, cavitation and ventilation toughness is improved as the rake can help strengthen the blade sections.

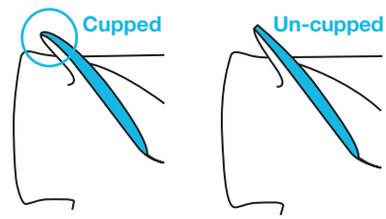


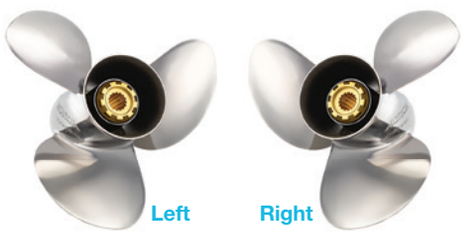
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ADDITIONAL MOUNTING/INSTALLATION INFO

Propeller Slip (Slip Factor):
Propeller slip is most commonly expressed as a percentage, this being the difference between the theoretical distance travelled forward (propeller pitch) and the actual distance measured as a result of a full 360° rotation of the propeller. If a propeller with a pitch of 10" only moves the boat forward a distance of 9", the slip factor can be judged to be 10%.

Propeller Cup:
When the trailing edge of a propeller blade has a “curl” away from the boat, it is normally described as being cupped. Cupping the propeller blade is an easy way to increase the pitch or rake without bending the entire blade.





Counter Rotating Propellers:
On selected higher HP outboards, counter rotating propellers are available. The port side propeller is a mirror image (of the std type) and rotates in the opposite direction to the starboard propeller. The opposite turning effect of the propellers reduces the necessity for constant adjustment of steering by the customer, (a neutral steering control) and ensures easier manoeuvrability by balancing out the turning forces created by the propeller rotation. This becomes a more important requirement, especially with motors in excess of 75Hp.

3 Blade Propeller
This is the most common type used and provides excellent levels of performance throughout the outboard operating range. Selected counter rotating versions are also available. A good general purpose type, available in Stainless Steel and Aluminium.

4 Blade Propeller
Less common than 3 blade types, 4 blade propellers provide increased acceleration and mid range performance over similar 3 blade types (although a slightly lower top speed will be achieved). The additional blade also adds to a smoother running application. Ideal for ski-ing/wakeboarding where acceleration and trust is an important operating factor. Available in Stainless Steel and Aluminium.

High Thrust Propeller (BF8D / BF10D / BF15D / BF20D)
Although the BF8D ~ BF20D are supplied with 4 blade propellers as standard equipment, a high thrust 4 blade propeller is also available for use with these motors to enable better matching to heavier, slower moving watercraft. This type of propeller provides higher levels of thrust over the standard type, both in forward and reverse.

High Thrust Propeller (BFP60A)
The BFP60A (High Thrust Model) features a gear-casing based on that of the BF75D / BF90D. By use of this gear-case and a different gear ratio to the std BF60A, high thrust performance is achieved by the slower turning of the propeller and increased grip in the water. Selected propellers from the BF75D / BF90D are listed for use with BFP60A along with newly added versions, unique for use with this model.

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PROPELLERS

TYPES OF PROPELLER

Plastic Propeller (3 Blade)

- Replacement propeller for BF2D ~ BF2.3D
- Perfectly matched to ensure optimum performance



Aluminium Propellers (3 Blade)

- Light weight, General Purpose Propellers
- Provide excellent levels of performance throughout the engine operating range
- Lower cost alternative to Stainless Steel
- Ideal for use on board as a spare or alternative pitch propeller



Aluminium Propellers (4 Blade)

In addtion to 3 Blade Aluminium propellers, 4 Blade types provide:
- Improved acceleration & powerful thrust in low to mid range
- Smoother running with excellent cruising performance
- Ideal for waterski / wakeboard activities
- Suited to rough water conditions



Aluminium Propellers - Power Thrust (BF8D ~ BF20D) (4 Blade)

- Light weight - Power Thrust Propellers
- Ideal for use with heavier slow moving craft (displacement type hulls)



Stainless Steel Propellers (3 Blade)

- Provide higher levels of performance versus comparable Aluminium types
- Higher levels of resistance to blade flexing & cavitation compared to Aluminium
- Suited to high performance leisure craft & commercial applications
- Increased durability due to material hardness compared to Aluminium
- See additional notes in propeller section on boat applications & usage



Stainless Steel Propellers (4 Blade)

In addition to 3 Blade Stainless Steel propellers, 4 Blade types provide:
- Improved acceleration & powerful thrust in low to mid range
- Smoother running with excellent cruising performance
- Ideal for waterski / wakeboard activities
- Suited to rough water conditions
- See additional notes in propeller section on boat applications & usage



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PROPELLERS

PLASTIC PROPELLER

BF2.3A (BF2D) (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZV0-841ZB	7 1/4" x 4 3/4"	Also suitable for use with BF2D

ALUMINIUM PROPELLERS 3 BLADE

BF4AH / BF5DH / BF6AH (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZVD-U01ZA	7 1/4" x 5 1/2"	Suitable for the models to the left
58130-ZVD-701ZA	7 7/8" x 5 7/8"	
58130-ZVD-801ZA	7 7/8" x 8 1/4"	
58130-ZVD-003ZA	7 7/8" x 7 1/2"	
58130-ZVD-601ZA	7 7/8" x 6 3/4"	

BF5A (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZVD-003ZA	7 7/8" x 7 1/2"	Also suitable for use with BF4.5
58130-ZVD-601ZA	7 7/8" x 6 3/4"	Also suitable for use with BF4.5

BF25D / BF30D (BF20A 3 cyl) (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZV7-000ZA	9 1/4" x 12"	Propellers also suitable for BF20A (3 cyl) - Not BF20D
58130-ZV7-850ZA	9 3/4" x 9 7/8"	
58130-ZV7-860ZB	10" x 8 1/4"	
58130-ZW2-F11ZA	9 7/8" x 9"	
58130-ZW2-F21ZA	9 7/8" x 10"	
58130-ZW2-F31ZA	9 7/8" x 11"	
58130-ZW2-F01ZA	9 7/8" x 12"	

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PROPELLERS

ALUMINIUM PROPELLERS 3 BLADE

BF40D / BF40E / BF50D / BF60A (BF40A / BF50A) (3 Blade)

Part Number	Specification (D & P)	Comments
58130-ZV5-000ZA	11 1/4" x 13"	BF40A / BF50A only
58130-ZV5-850ZA	11 1/2" x 12"	
58130-ZV5-860ZA	11 3/4" x 10"	
58130-ZV5-870ZA	11 1/2" x 14 1/4"	
59130-ZV5-007AH	12 1/4" x 7"	BF40D / BF50D / BF60A BF40A / BF50A
59130-ZV5-008AH	12 1/4" x 8"	
59130-ZV5-009AH	12 1/8" x 9"	
59130-ZV5-011AH	11 5/8" x 11"	
59130-ZV5-012AH	11 3/8" x 12"	BF40D / BF50D / BF60A BF40A / BF50A / BF40E
59130-ZV5-013AH	11 1/8" x 13"	
59130-ZV5-014AH	11 1/8" x 14"	
59130-ZV5-015AH	11" x 15"	
59130-ZV5-016AH	11" x 16"	BF40D / BF50D / BF60A
59130-ZV5-017AH	11" x 17"	
58130-ZZ5-000ZA	11 1/4" x 13"	BF40D / BF50D/ BF40E
58130-ZZ5-630ZA	11 3/4" x 10"	
58130-ZZ5-660ZA	11 1/2" x 12"	
58130-ZZ5-760ZA	11 1/2" x 14 1/4"	



BFP60A / BF75A / BF75D BF80A / BF90 / BF90D / BF100A / BF115A / BF130A 1998 ~ 2009 (3 Blade)

Part Number	Specification (D & P)	Comments
58130-ZW1-011AH	14" x 11"	BFP60A / BF75A / BF75D / BF80A / BF90 / BF90D / BF100A / BF115A / BF130A
58130-ZW1-013AH	13 3/4" x 13"	
58130-ZW1-013B	13 3/4" x 13" CR	BF115A / BF130A
58130-ZW1-015AH	13 1/2" x 15"	BFP60A / BF75A / BF75D / BF80A / BF90 / BF90D / BF100A / BF115A / BF130A
58130-ZW1-015B	13 1/2" x 15" CR	BF115A / BF130A
58130-ZW1-017AH	13 1/4" x 17"	BFP60A / BF75A / BF75D / BF80A / BF90 / BF90D / BF100A / BF115A / BF130A
58130-ZW1-017B	13 1/4" x 17" CR	BF115A / BF130A
58130-ZW1-018AH	13 1/4" x 18"	BF80A / BF100A
58130-ZW1-019AH	13" x 19"	BFP60A / BF75A / BF75D / BF80A BF90 / BF90D / BF100A / BF115A / BF130A
58130-ZW1-021AH	13" x 21"	
58130-ZZ0-D81ZB	13 1/5" x 19"	BFP60A
58130-ZZ0-D91ZB	13 1/5" x 21"	



* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

PROPELLERS

ALUMINIUM PROPELLERS 3 BLADE

BF115D / BF135A / BF150A / BF175A / BF200A / BF225A (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZY3-013A	15 1/2" x 13"	
58130-ZY3-015AH	15 1/4" x 15"	
58130-ZY3-015BH	15 1/4" x 15"	Counter Rotating type
58130-ZY3-017AH	15" x 17"	
58130-ZY3-017BH	15" x 17"	Counter Rotating type
58130-ZY3-019AH	14 3/4" x 19"	
58130-ZY3-019BH	14 3/4" x 19"	Counter Rotating type
58130-ZY3-021AH	14 1/2" x 21"	
58130-ZY3-021BH	14 1/2" x 21"	Counter Rotating type
58130-ZY3-023AH	14 1/4" x 23"	
58130-ZY3-015AP	15 3/4"x 15"	
58130-ZY3-017AP	15 1/2" x 17"	
58130-ZY3-017BP	15 1/2" x 17"	Counter Rotating type

BF6A / BF8A 1986 ~ 2007 (3 Blade)



Part Number	Specification (D & P)	Comments
58130-881-840ZB	9 1/2" x 8 5/8"	Also suitable for BF75 / BF100 1977 ~ 1986

BF9.9A / BF 15A 1986 ~ 2002 (3 Blade)



Part Number	Specification (D & P)	Comments
58130-ZV4-703ZB	9 1/2" x 8 5/8"	
58130-ZV4-030ZB	9 1/2" x 9 1/2"	
58130-ZV4-008AH	9 1/4" x 8"	
58130-ZV4-009AH	9 1/4" x 9"	
58130-ZV4-010AH	9 1/4" x10"	

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PROPELLERS

STAINLESS STEEL PROPELLERS 3 BLADE

BF25D / BF30D (BF20A 3 cyl) (3 Blade)



Part Number	Specification (D & P)	Comments
58133-ZV7-008AH	10" x 8"	Propellers also suitable for BF20A (3 cyl)
58133-ZV7-009AH	10" x 9"	
58133-ZV7-010AH	10" x 10"	
58133-ZV7-011AH	10" x 11"	Not suitable for 2 cyl BF20D
58133-ZV7-012AH	10" x 12"	
58133-ZV7-013AH	10" x 13"	

BF40D / BF50D / BF60A (BF40A / BF50A) (3 Blade)



Part Number	Specification (D & P)	Comments
59133-ZV5-009AH	12 1/4" x 9"	BF40D / BF50D / BF60A BF40A / BF50A
59133-ZV5-011AH	11 3/4" x 11"	
59133-ZV5-012AH	11 1/2" x 12"	
59133-ZV5-013AH	11 1/8" x 13"	
59133-ZV5-014AH	11 1/8" x 14"	
59133-ZV5-015AH	11" x 15"	
59133-ZV5-016AH	10 3/4" x 16"	
59133-ZV5-017AH	11" x 17"	

BFP60A / BF75D / BF75A / BF80A / BF90D / BF90A / BF100A / BF115A / BF130A (3 Blade)



Large blade area design provides:
- Great load carrying capability
- Excellent fuel economy

Part Number	Specification (D & P)	Comments
58133-ZW1-A13AH	13 3/4" x 13"	
58133-ZW1-B13AH	13 3/4" x 13"	Counter Rotating type
58133-ZW1-A15AH	13 3/4" x 15"	
58133-ZW1-B15AH	13 3/4" x 15"	Counter Rotating type
58133-ZW1-A17AH	13 1/4" x 17"	
58133-ZW1-B17AH	13 1/4" x 17"	Counter Rotating type
58133-ZW1-A18AH	13 1/4" x 18"	
58133-ZW1-A19AH	13 1/4" x 19"	
58133-ZW1-B19AH	13 1/4" x 19"	Counter Rotating type

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

PROPELLERS

BF115D / BF135A / BF150A / BF175A / BF175D / BF200A / BF200D / BF225A / BF225D (3 Blade)

Description Provides good acceleration & top end performance on a wide variety of craft.

- Larger Blade area
- Moderate Cupping

Part Number	Specification (D & P)	Comments
58133-ZY3-A15AH	13 1/2" x 15"	
58133-ZY3-B15AH	13 1/2" x 15"	Counter Rotating type
58133-ZY3-A17AH	14 1/4" x 17"	
58133-ZY3-B17AH	14 1/4" x 17"	Counter Rotating type
58133-ZY3-A19AH	14" x 19	
58133-ZY3-B19AH	14" x 19	Counter Rotating type
58133-ZY3-A21AH	14" x 21"	
58133-ZY3-B21AH	14" x 21"	Counter Rotating type

Description Provides better load carrying capability and higher levels of fuel efficiency for higher power Honda Outboard engines

- High camber blade geometry
- Large blade area

58133-ZY3-A15S	15 1/2" x 15"	
58133-ZY3-B15S	15 1/2" x 15"	Counter Rotating type
58133-ZY3-A17S	15 1/4" x 17"	
58133-ZY3-B17S	15 1/4" x 17"	Counter Rotating type
58133-ZY3-A19S	15" x 19"	
58133-ZY3-B19S	15" x 19"	Counter Rotating type
58133-ZY3-A21S	14 3/4" x 21"	
58133-ZY3-B21S	14 3/4" x 21"	Counter Rotating type
58133-ZY3-A23S	14 1/2" x 23"	
58133-ZY3-B23S	14 1/2" x 23"	Counter Rotating type



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

PROPELLERS

STAINLESS STEEL PROPELLERS 3 BLADE

BF115D / BF135A / BF150A / BF175A / BF200A / BF225A (3 Blade)

Part Number	Specification (D & P)	Comments
58133-ZY3-A16HR	14 3/4" x 16"	
58133-ZY3-B16HR	14 3/4" x 16"	Counter Rotating type
58133-ZY3-A17HR	14 3/4" x 17"	
58133-ZY3-B17HR	14 3/4" x 17"	Counter Rotating type
58133-ZY3-A18HR	14 3/4" x 18"	
58133-ZY3-B18HR	14 3/4" x 18"	Counter Rotating type
58133-ZY3-A19HR	14 3/4" x 19"	
58133-ZY3-B19HR	14 3/4" x 19"	Counter Rotating type
58133-ZY3-A20HR	14 3/4" x 20"	
58133-ZY3-B20HR	14 3/4" x 20"	Counter Rotating type
58133-ZY3-A21HR	14 1/2" x 21"	
58133-ZY3-B21HR	14 1/2" x 21"	Counter Rotating type
58133-ZY3-A22HR	14 1/4" x 22"	
58133-ZY3-B22HR	14 1/4" x 22"	Counter Rotating type



BF175D / BF200D / BF225D / BF250A / BF250D (3 Blade)

Part Number	Specification (D & P)	Comments
58133-ZY3-A15LX	15 3/4" x 15"	
58133-ZY3-B15LX	15 3/4" x 15"	Counter Rotating type
58133-ZY3-A16LX	15 5/8" x 16"	
58133-ZY3-B16LX	15 5/8" x 16"	Counter Rotating type
58133-ZY3-A17LX	15 1/2" x 17"	
58133-ZY3-B17LX	15 1/2" x 17"	Counter Rotating type
58133-ZY3-A18LX	15 3/8" x 18"	
58133-ZY3-B18LX	15 3/8" x 18"	Counter Rotating type
58133-ZY3-A19LX	15 1/4" x 19"	
58133-ZY3-B19LX	15 1/4" x 19"	Counter Rotating type
58133-ZY3-A20LX	15 1/8" x 20"	
58133-ZY3-B20LX	15 1/8" x 20"	Counter Rotating type
58133-ZY3-A21LX	15" x 21"	
58133-ZY3-B21LX	15" x 21"	Counter Rotating type



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PROPELLERS

ALUMINIUM PROPELLERS 4 BLADE

BF8D / BF10D / BF15D / BF20D (standard type) (4 Blade)



Part Number	Specification (D & P)	Comments
	Standard Propeller	
58130-ZW9-B23ZA	10" x 6 1/4"	
58134-ZV4-007AH	9 1/4" x 7"	
58134-ZV4-008AH	9 1/4" x 8"	
58134-ZV4-009AH	9 1/4" x 9"	
58134-ZV4-010AH	9 1/4" x 10"	
58134-ZV4-011AH	9 1/4" x11"	
	High Thrust Propeller Kit	
06581-ZW9-A40ZA	10" x 6 1/4"	BF8D / BF10D
06581-ZY0-S00ZB	10" x 7 5/8"	BF15D / BF20D

BF25D / BF30D (BF20A 3 cyl) (4 Blade)



Part Number	Specification (D & P)	Comments
58134-ZV7-011AH	10 1/4" x 11"	Propellers also suitable for BF20A (3 cyl) - Not BF20D
58134-ZV7-012AH	10 1/8" x 12"	
58134-ZV7-013AH	10" x 13"	
58134-ZV7-014AH	10" x 14"	
58134-ZV7-015AH	10" x 15"	

BF40D / BF50D / BF60 (BF40A / BF50A) (4 Blade)



Part Number	Specification (D & P)	Comments
58134-ZV5-009AH	11 7/8" x 9"	BF40D / BF50D / BF60A BF40A / BF50A
58134-ZV5-010AH	11 3/8" x 10"	
58134-ZV5-011AH	11 1/8" x 11"	
58134-ZV5-012AH	10 7/8" x 12"	
58134-ZV5-013AH	10 1/2" x 13"	
58134-ZV5-014AH	10 1/2" x 14"	

BFP60A / BF75D / BF80A / BF90D / BF100A (4 Blade)



Part Number	Specification (D & P)	Comments
58134-ZW1-013AH	13 1/4" x 13"	BFP60A / BF75D / BF90D
58134-ZW1-015AH	13" x 15"	
58134-ZW1-017AH	12 3/4" x 17"	
58134-ZW1-019AH	12 1/2" x 19"	
58134-ZW1-021AH	12 1/2" x 21"	

Suitable for use on: BF75A/ BF90A / BF115A / BF130A

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PROPELLERS

ALUMINIUM PROPELLERS 4 BLADE

BF115D / BF135A / BF150A / BF175A / BF200A / BF225A (4 Blade)

Part Number	Specification (D & P)	Comments
58134-ZY3-015A	14 3/4" x 15"	
58134-ZY3-015B	14 3/4" x 15"	Counter Rotating type
58134-ZY3-017A	14 1/2" x 17"	
58134-ZY3-017B	14 1/2" x 17"	Counter Rotating type
58134-ZY3-019A	14 1/4" x 19"	
58134-ZY3-019B	14 1/4" x 19"	Counter Rotating type
58134-ZY3-021A	14" x 21"	
58134-ZY3-021B	14" x 21"	Counter Rotating type



STAINLESS STEEL PROPELLERS 4 BLADE

BF115D / BF135A / BF150A / BF175A / BF200A / BF225A / BF250A (4 Blade)

Description This 4 Blade High Rake range, offers excellent cruising performance and maneuvering capability making it ideal for offshore applications.

- Very Powerful Thrust
- Smooth Operation
- Provides additional transom lift

Part Number	Specification (D & P)	Comments
58134-ZY3-A15HR	14 1/2 x 15"	
58134-ZY3-B15HR	14 1/2 x 15"	Counter Rotating type
58134-ZY3-A17HR	14 1/4" x 17"	
58134-ZY3-B17HR	14 1/4" x 17"	Counter Rotating type
58134-ZY3-A18HR	14 1/8" x 18"	
58134-ZY3-B18HR	14 1/8" x 18"	Counter Rotating type
58134-ZY3-A19HR	14 1/8" x 19"	
58134-ZY3-B19HR	14 1/8" x 19"	Counter Rotating type
58134-ZY3-A20HR	14" x 20"	
58134-ZY3-B20HR	14" x 20"	Counter Rotating type
58134-ZY3-A21HR	14" x 21"	
58134-ZY3-B21HR	14" x 21"	Counter Rotating type
58134-ZY3-A23HR	14" x 23"	
58134-ZY3-B23HR	14" x 23"	Counter Rotating type
58134-ZY3-A25HR	14" x 25"	
58134-ZY3-B25HR	14" x 25"	Counter Rotating type



New inner hubs for our S/S propellers

Part Number	Comments
08135-ZW2-003HE	for all +++ZW2/ZV7+++ SS propellers
08135-ZV5-003HE	for all +++ZV5+++ SS propellers
08135-ZW1-003HE	for all +++ZW1+++ SS propellers
08135-ZY3-003HE	for all +++ZY3+++ SS propellers



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FUEL SYSTEMS



HONDA MARINE | ENGINEERING FOR *Life*

FUEL SYSTEMS

FUEL TANKS & FUEL LINES

Fuel Tanks

Application: BF5A ~ BF250A

Part Number	Specifications	Comments
17500-ZV4-G01	Plastic Fuel Tank - 12 litre capacity - fuel gauge integrated in fuel cap	BF5A ~ BF250A
17500-ZV5-G01	Plastic Fuel Tank - 25 litre capacity - fuel gauge integrated in fuel cap	BF5A ~ BF250A



Fuel Line

Application: BF5A ~ BF250A

Part Number	Specification (D & P)	Comments
17700-881-C03ZA	Fuel Line - inc fittings & Priming Bulb	BF5A ~ BF8A
17700-ZW9-030		BF5DH ~ BF6AH ~ BF8D ~ BF90
04101-ZW9-010		BF9.9A ~ BF130A
17700-ZY3-010		BF60A ~ BF225A - inboard fuel tank fittings
17700-ZY9-000		BF60A ~ BF225A - Portable fuel tank fittings
17700-ZX2-010		BF250A



Bulk Fuel Line

Application: BF2 ~ BF250A







Diameter	Length (Meters)		
	1 Meter	3 Meter	8 Meter
3,5 MM	95001-3500160M	95001-3500360M	/
4,5 MM	95001-4500160M	95001-4500360M	95001-4500860M
5,5 MM	95001-5500160M	95001-5500360M	95001-5500860M
7,5 MM	95001-7500160M	95001-7500360M	95001-7500860M

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FUEL FILTER / WATER SEPERATORS

Complete Filter Assemblies



Application: BF4A ~ BF250A

Part Number	Specifications
06177-ZX2-000HE	Flow capacity up to 340 litres / hour, 10 micron filtration

Replacement Filter Cartridges



Application: BF5A ~ BF250A

Part Number	Specifications
17670-ZW3-801AH	Flow capacity up to 94 litres / hour (06176-ZW3-801AH)
17670-ZW1-030GH	Flow capacity up to 113 litres / hour (06178-ZW1-030GH)
17670 ZW1-801AH	Flow capacity up to 227 litres / hour (06177-ZW1-801AH)
17670-ZY3-003HE	Flow capacity of 150 litres / hour (06177-ZY3-003HE)
17670-ZX2-000HE	Flow capacity up to 340 litres / hour (06177-ZX2-000HE)

Fuel Line Fittings (Hosetail)



Application: BF5A ~ BF250A

Description For use with following filter assembly 06177-ZX2-000HE

Part Number	Specifications	Comments
19271-ZZ3-010HE	Straight Connector	Brass fitting 1/4 NPT -3/8 - 10mm Ø fuel line
19271-ZZ3-507HE	Elbow Connector	Brass fitting 1/4 NPT -3/8 - 10mm Ø fuel line

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CABLES



HONDA MARINE | ENGINEERING FOR *Life*

CABLES

Hi-Lex Premium Remote Control Cables

Description

- This super flexible and highly efficient remote control cable is the thinnest marine control cable with double layered structure.

Application	Feet	Part Number	Comments
BF5 ~ BF250D	6	**24906-ZY3-003HE**	1.8 M
	7	**24907-ZY3-003HE**	2.1 M
	8	**24908-ZY3-003HE**	2.4 M
	9	**24909-ZY3-003HE**	2,7 M
	10	**24910-ZY3-003HE**	3.05 M
	11	**24911-ZY3-003HE**	3.35 M
	12	**24912-ZY3-003HE**	3.66 M
	13	**24913-ZY3-003HE**	3.96 M
	14	**24914-ZY3-003HE**	4.27 M
	15	**24915-ZY3-003HE**	4.57 M
	16	**24916-ZY3-003HE**	4.88 M
	17	**24917-ZY3-003HE**	5.18 M
	18	**24918-ZY3-003HE**	5.49 M
	19	**24919-ZY3-003HE**	5.79 M
	20	**24920-ZY3-003HE**	6.10 M
	22	**24922-ZY3-003HE**	6.70 M
	24	**24924-ZY3-003HE**	7.32 M
	26	**24926-ZY3-003HE**	7.92 M
	28	**24928-ZY3-003HE**	8.53 M
	30	**24930-ZY3-003HE**	9.14 M
	32	**24932-ZY3-003HE**	9.75 M
	34	**24934-ZY3-003HE**	10.36 M
	35	**24935-ZY3-003HE**	10.67 M



Multipack available as from 1.80 meters up to 6.70 meters.
(24906-ZY3-003MP - 24922-ZY3-003MP)

Features:

- Featering flexibility and high efficiency
- Thinnest and double layered structered cable affords you easy routing and high efficient performance
- Braided wire core with splined nylon coating

Specifications:

- Brand name: Hi-Lex control cable
- Type: clamp "3300 to 33C"
- Braided wire core with splined nylon coating

Performance data:

- Load efficiency:

	push	pull
70N	79.9	80.7
160N	81.3	84.2

- Motion loss: 3.6 mm
- Non Friction load: push 2.0

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

CABLES

Honda Pro-X Cables

Description

- "The ultimate in high performance control cable technology" With a proven track record of high performance in even the most challenging applications. Pro-X cables continue to exceed user expectations wherever they are used.

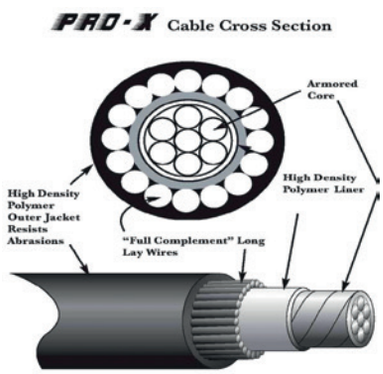
Application	Feet	Part Number	Comments
BF5 - BF250D	6	**24906-ZY3-710HE**	1.8 M
	7	**24907-ZY3-710HE**	2.1 M
	8	**24908-ZY3-710HE**	2.4 M
	9	**24909-ZY3-710HE**	2,7 M
	10	**24910-ZY3-710HE**	3.05 M
	11	**24911-ZY3-710HE**	3.35 M
	12	**24912-ZY3-710HE**	3.66 M
	13	**24913-ZY3-710HE**	3.96 M
	14	**24914-ZY3-710HE**	4.27 M
	15	**24915-ZY3-710HE**	4.57 M
	16	**24916-ZY3-710HE**	4.88 M
	17	**24917-ZY3-710HE**	5.18 M
	18	**24918-ZY3-710HE**	5.49 M
	19	**24919-ZY3-710HE**	5.79 M
	20	**24920-ZY3-710HE**	6.10 M
	22	**24922-ZY3-710HE**	6.70 M
	24	**24924-ZY3-710HE**	7.32 M
	26	**24926-ZY3-710HE**	7.92 M
	28	**24928-ZY3-710HE**	8.53 M
	30	**24930-ZY3-710HE**	9.14 M
	32	**24932-ZY3-710HE**	9.75 M
	34	**24934-ZY3-710HE**	10,36 M
	36	**24936-ZY3-710HE**	10.97 M
	38	**24938-ZY3-710HE**	11.58 M
	40	**24940-ZY3-710HE**	12.19 M



Multipack available as from 1.80 meters up to 5.49 meters.
(24906-ZY3-710MP - 24918-ZY3-710MP)

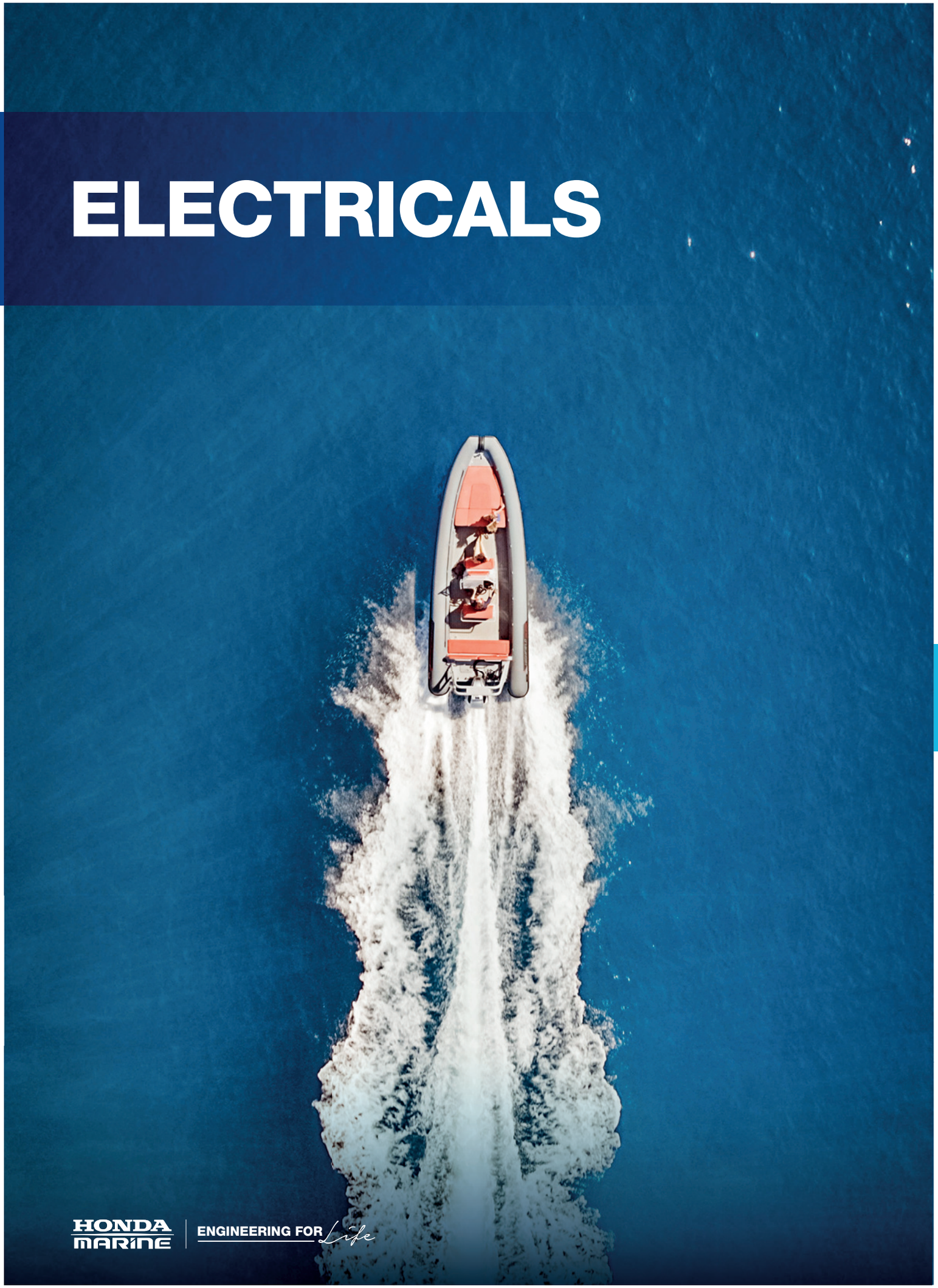
Honda Pro-X Cables Key Features include:

- Braided Stainless Steel with Armoured Core
  Provides high flexibility and incredible strength (4 inch bend radius!)
- Inner Polymer Liner
  Minimises friction, improves efficiency and reduces lost motion
- Heavy Duty Conduit
  Delivers maximum protection without loss in flexibility
- Stainless Steel Terminals
  Ensures maximum corrosion resistance



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ELECTRICALS



HONDA MARINE | ENGINEERING FOR *Life*

ELECTRICALS

Switch panel PGM-FI (4 light alert)

Description

- Key start /Emergency stop switch
- 4 light alert panel → oil pressure/overheat/PGM-FI/ACG
- Warning buzzer
- Panel fittings
- No main wire harness included

Note: Switch panel is available as 1 piece or 2 piece construction
Seperate light panel on 2 piece construction



Application	Part Number	Comment
BF40D/BF50D, BF40E, BF60A/BFP60A BF75DKO - BBAJ - 1004819 ~ BF90DKO - BBCJ 1014203 ~ BF80A/BF100A BF115D - BBHJ 1000001 ~ BF135A - BARJ - 1003841 ~ BF135 (CR Type) BASJ 1000314 ~ BF150A - BANJ - 1010488 ~ BF150A (CR Type) BAPJ - 1001415 ~ BF175/BF200/Bf225 AK1 / AK2 / AK3 BF250A	**06323-ZZ5-M81**	**1 piece construction**
	06323-ZZ5-M91	**2 piece construction**

Trolling Control Switch Kit

Description

- Permits precise control of engine speed in increments of 50rpm from idle speed.No of increments will be model dependant.
- Ideal for use on leisure fishing boats.



Application	Part Number
BF40D - BBDJ 1101831, BF50D - BBEJ 1103757 BF60A, BFP60A , BF80A, BF100A, BF115D, BF135A, BARJ1003841 ~ BASJ1000314, BF150A, BANJ1010488 ~ BAPJ1001415	**35345-ZZ3-741**

Trolling Control - Top Mount / Flush Mount Installations

Description

- The following harness must also be used in addition to Trolling control switch kit 35345-ZZ3-741



Part Number
32186-ZZ3-000

Tilt Limit Switch Kit

Description

- Limits Tilt angle from the Remote control box & reduces risk of impact with the boat and engine hood
- Full tilit angle is still obtainable by use of the engine PTT switch



Application	Part Number
BF40E / BF60 / BFP60 A-AK1	**06357-ZZ3-000**

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ELECTRICALS

Rudder meter kit

Description

- Rudder meter allows the operating angle of the motor to be determined easily without looking behind or if the motor is obstructed from view.
- Recommended for use with Deluxe gauge Pre Rigging kits



Application	Part Number	Comments
BF40E, BF60A, BFP60A	**06373-ZZ3-000**	White
BF40E, BF60A, BFP60A	**06373-ZZ3-610**	Black

Main wire harness (PGM-FI cord-integrated type)

Description

- Main wire harness



Application	Metres	Part Number
BF40D ~ BF250A	5	**32205-ZY6-016AH**
	6.1	**32205-ZY6-020AH**
	7.6	**32205-ZY6-025AH**
	9,1	**32205-ZY6-030AH**
	15,2	**32205-ZY6-050AH**

Main wire harness kit (separate PGM-FI cord)

Content

- Main wire harness
- 2 light panel indicator cord (PGM-FI)



Application	Metres	Part Number
BF40D ~ BF250A	6.1	**06325-ZZ5-600**
	7.6	**06325-ZZ5-700**
	9	**06325-ZZ5-800**

Instrument harness

Description

- For fog resistant gauges
- Connects 5 gauge set
- Optional water pressure gauge connection



Application	Metres	Part Number
BF40D ~ BF250A	1.37	**32200-ZW7-000AH**
	2.1	**32200-ZW7-210EU**

Main wire harness (PGM-FI cord required)

Content

- Main wire harness



Application	Metres	Part Number
BF25 ~ BF250A	5.0	**32580-ZW2-D01**
	6.1	**32580-ZZ5-D01**
	7.6	**32580-ZZ5-D11**
	9.1	**32580-ZZ5-D21**

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ELECTRICALS

Wire harness extensions

Description • 2.1M long

Application	Part Number	Comments
BF15D ~ BF20D	**32570-ZW9-D01**	4 plugs, extension of the main 10 wire, attaches at engine end
BF40D ~ BF250A	**32570-ZY3-900**	6 plugs, extension of the main 14 wire, attaches at remote control end
BF40D ~ BF250A	**32570-ZW5-U20**	8 plugs, extension of the main 18 wire, attaches at remote control end
BF8D / BF10D	**32570-ZW9-900**	4 plugs, extension of 8 wire conductor harness, attaches at engine end



2 light Panel - Indicator harness (PGM-FI)

Application	Metres	Part Number	Comments
BF40D ~ BF250A	6.1	**32185-ZY6-020AH**	Engine end has a 6 pin connector Helm end has both 6 & 3 pin connectors
	7.6	**32185-ZY6-025AH**	
	1.25	**32185-ZY6-004AH**	Used to extend the above harnes



Wire harness

Application	Length (M)	Part Number	Comments
BF8 ~ BF250A	2.1	**32540-ZV5-911**	Harness A: connecting tachometer, trim meter, light switch and harness B
	2.1	**32550-ZV5-910**	Harness B: connects to Harness A, includes connections for the speedometer light, voltmeter and hourmeter
	2.1	**32550-ZW5-U00**	Deluxe: connects to harness A, includes connections for the speedometer light, voltmeter and hourmeter Deluxe
BF25 to BF250A	2.1	**32570-ZW5-U00**	Connecting 3 wire PGM-FI light panel to engine
BF40 to BF250A	5.0	**32185-ZY6-000**	Connecting 2 wire PGM-FI light panel to engine (Designed for digital gauges)
BF115 to BF250A	5.0	**32185-ZY3-000**	Connecting 3 wire PGM-FI light panel to engine
BF75 to BF250A	9.15	**32570-ZW5-U10**	Connecting 3 wire PGM-FI light panel to engine



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ELECTRICALS

Battery

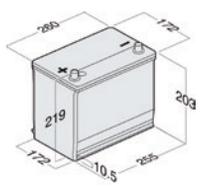


Description

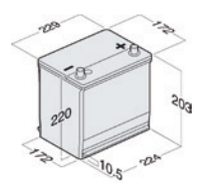
- Totally maintenance free battery
- Cover heatsealed
- No filler caps
- No contamination
- Charge indicator

Ah	kg	Reference	BF 8D	BF 10D	BF 15D	BF 20D	BF 25D	BF 30D	BF 40D/E	BF 50D	BF 60D	BFP 60D
45	12.4	31500-ST3-111HE	■	■	■	■						
45	12.4	31500-ST3-011HE	■	■	■	■						
65	16.4	31500-SV2-011HE	■	■	■	■	■	■	■	■	■	■
70	17.7	31500-SP0-031HE	■	■	■	■	■	■	■	■	■	■
70	17.7	31500-SP0-041HE	■	■	■	■	■	■	■	■	■	■

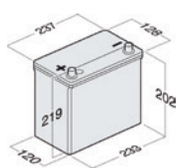
CATALOG REF 31500-SP0-041HE	
Ah	70
RES CAP MIN	125
CCA EN - 18° C	**600**
CCA BCI - 18° C	500
CCA IEC - 18° C	275
CCA DIN - 18° C	250
LOAD TEST AMPS	250
WEIGHT KG	17.65



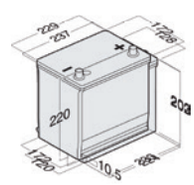
CATALOG REF 31500-SV2-011HE	
Ah	65
RES CAP MIN	110
CCA EN - 18° C	**480**
CCA BCI - 18° C	525
CCA IEC - 18° C	280
CCA DIN - 18° C	250
LOAD TEST AMPS	260
WEIGHT KG	16.40



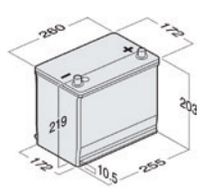
CATALOG REF 31500-ST3-011HE	
Ah	45
RES CAP MIN	75
CCA EN - 18° C	**420**
CCA BCI - 18° C	450
CCA IEC - 18° C	250
CCA DIN - 18° C	210
LOAD TEST AMPS	220
WEIGHT KG	12.40



CATALOG REF 31500-ST3-111HE	
Ah	45
RES CAP MIN	75
CCA EN - 18° C	**420**
CCA BCI - 18° C	450
CCA IEC - 18° C	250
CCA DIN - 18° C	210
LOAD TEST AMPS	220
WEIGHT KG	12.40



CATALOG REF 31500-SP0-031HE	
Ah	70
RES CAP MIN	125
CCA EN - 18° C	**600**
CCA BCI - 18° C	500
CCA IEC - 18° C	275
CCA DIN - 18° C	250
LOAD TEST AMPS	250
WEIGHT KG	17.65



Honda OptiMate

Description	Part Number	Comments
HONDA OptiMate 5 battery optimiser (NOT FOR UK)	**08M51-EWA-800E**	Automatic charger, maintainer and tester for 12V lead/acid batteries for from 7,5 to 120Ah. includes crocodile clamps harness & a permanent connection harness.
HONDA OptiMate 5 battery optimiser (ONLY FOR UK)	**08M51-EWA-800U**	Automatic charger, maintainer and tester for 12V lead/acid batteries for from 7,5 to 120Ah. includes crocodile clamps harness & a permanent connection harness. **Fitted with a 3-pin UK plug**.



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

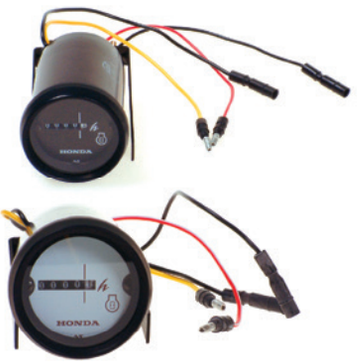
GAUGES



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GAUGES

Hourmeter



Description

- 0-9999 hours
- Flat lens
- Drilling diameter 53MM
- Required parts:
  Wiring Harness A: 32540-ZV5-911
  Wiring Harness B: 32550-ZW5-U00

Application	Part Number	Comments
BF25D ~ BF250A	**06397-ZW5-U10**	Black face, analogue display, req. part: 32550-ZW5-U00
	06397-ZW5-U00	White face, analogue display, req. part: 32550-ZW5-U00
BF20A ~ BF250A (Not with BF25 ~ BF50A4)	**39700-ZV5-800AH**	Black face, digital display, req. part: 32550-ZV5-910

Speedometer



Description

- Flat lens
- Drilling diameter 53MM
- Required parts:
  Wiring Harness A: 32540-ZV5-911
  Wiring Harness B: 32550-ZW5-U00
  Wiring Harness 32550-ZV5-910

Application	Part Number	Comments
BF25D ~ BF250A	**06373-ZW5-U11**	Black face, 10-50 mph/20-80 km/h, req. part 32550-ZW5-U00
	06373-ZW5-U01	White face 10-50 mph/20-80 km/h, req. part 32550-ZW5-U00

Tachometer



Description

- 0-7000 rpm
- Drilling diameter 86MM
- Required parts:
  Wire harness: 32540-ZV5-911

Application	Part Number	Comments
BF25D ~ BF250A	**06375-ZW5-U11**	Black face, drilling diameter 81MM
	06375-ZW5-U01	White face, drilling diameter 81MM
BF40A / BF50A, BF40D / BF50D	**37250-ZV5-823**	Black face, drilling diameter 81MM
BF20 / 25/30A, BF25 / 30D BF60 ~ BF250A	**37250-ZV7-913**	
BF8D ~ BF20D	**37250-ZW9-902**	
BF20A ~ BF250A	**37250-ZV5-950AH**	Black face, drilling diameter 86MM

Trimmeter



Description

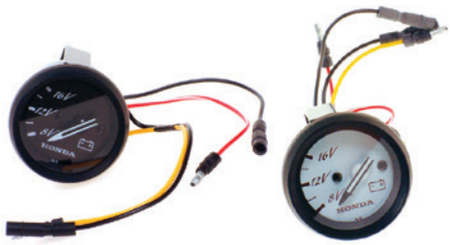
- Up & down indicator
- Flat lens
- Drilling diameter 53MM
- Required parts:
  Wire harness: 32540-ZV5-911

Application	Part Number	Comments
BF25D - BF250A	**06372-ZW5-U11**	Black face
BF25D ~ BF250A	**06372-ZW5-U01**	White face
BF40 ~ BF250A	**37260-ZV5-822**	Black face

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

GAUGES

Voltmeter



Description

- 8-16 volts indicator
- Flat lens
- Drilling diameter 53MM

- Required part:
  Wire harness: 32540-ZV5-911, 32550-ZW5-U00

Application	Part Number	Comments
BF25D ~ BF250A	**06374-ZW5-U10**	Black face
	06374-ZW5-U00	White face

Dual assy meter with Tacho/Hour meter function



Description

- A five digit LCD display reads up to 99999 rpm in 20 rpm increments
- Displays up to 9999.9 hours of engine operation before resetting to zero
- Maximum 16000 RPM

Application	Part Number
BF2 ~ BF20	**08174-ZL8-023HE**

Instrument set



Description

- Fog Resistant
- Includes 5* gauges: 0-7000rpm / digital hour meter, 10-65 mph / 20-100 km/h speedometer, 8-18 voltmeter, 240-33 ohms (or 10-180 ohms EU sender) fuel gauge, trim meter, drilling diameter 86MM (rpm & speed) and 53MM (volt, fuel, trim), domed lens

- Required part:
  Wire harness: 32200-ZW7-000AH

Application	Part Number	Comments
BF25 ~ BF250A	**06304-ZW5-000ZB**	EU Instrument set, white face, black letters

Instrument set



Description

- Fog Resistant
- Includes 5* gauges: 0-7000rpm / digital hour meter, 10-65 mph / 20-100 km/h speedometer, 8-18 voltmeter, 240-33 ohms (or 10-180 ohms EU sender) fuel gauge, trim meter, drilling diameter 86MM (rpm & speed) and 53MM (volt, fuel, trim), domed lens

- Required part:
  Wire harness: 32200-ZW7-000AH

Application	Part Number	Comments
BF25 ~ BF250A	**06304-ZW5-000ZA**	EU Instrument set, black face, white letters

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

GAUGES

Instrument set

Description

- Fog Resistant
- Includes 4 gauges: 0-7000rpm / digital hour meter, 10-65 mph / 20-100 km/h speedometer, 240-33 ohms (or 10-180 ohms EU sender) fuel gauge, trim meter, drilling diameter 86MM (rpm & speed) and 53MM (volt, fuel, trim), domed lens
- Required parts:
  Wire harness: 32200-ZW7-000AH



Application	Part Number	Comments
BF25 ~ BF250A	**06300-ZW5-003SK**	US Instrument set, Charcoal grey face - no voltmeter
	06320-ZW5-003SK	EU Instrument set, Charcoal grey face - no voltmeter

Speedometer

Description

- Fog Resistant
- 10-65mph / 20-100 km/h*
- Domed lens
- Drilling diameter 86MM
- Required parts:
  Wire harness: 32200-ZW7-000AH



Application	Part Number	Comments
BF25 ~ BF250A	**37203-ZW5-000ZB**	White face, black letters, 0 ~ 65Kts
	37203-ZW5-000ZA	Black face, white letters, 0 ~ 65kts
	37200-ZW5-003SK	Charcoal grey, 0 ~ 50kts

Tacho / hourmeter

Description

- Fog Resistant
- 0-7000 rpm & digital hour meter
- Domed lens
- Drilling diameter 86MM
- Required parts:
  Wire harness: 32200-ZW7-000AH



Application	Part Number	Comments
BF25 ~ BF250A	**37253-ZW5-000ZB**	White face, black letters
	37253-ZW5-000ZA	Black face, white letters
	37250-ZW5-003SK	Charcoal grey

Trim meter

Description

- Fog Resistant
- Up & down indicator
- Domed lens
- Drilling diameter 53MM
- Required parts:
  Wire harness: 32200-ZW7-000AH



Application	Part Number	Comments
BF25 ~ BF250A	**37263-ZW5-000ZB**	White face, black letters
	37263-ZW5-000ZA	Black face, white letters
	37260-ZW5-003SK	Charcoal grey

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

GAUGES

Voltmeter



Description

- Fog Resistant
- 8-18 volts indicator
- Domed lens
- Drilling diameter 53MM

- Required part:
  Wire harness: 32200-ZW7-000AH

Application	Part Number	Comments
BF25 ~ BF250A	**37453-ZW5-000ZB**	White face, black letters
	37453-ZW5-000ZA	Black face, white letters
	37450-ZW5-003SK	Charcoal grey

Fuel Meter (EU type - 10 ohms ~ 180 ohms)



Description

- Fog Resistant
- For inbuilt fuel tanks
- Drilling diameter 53MM

Application	Part Number	Comments
BF25 ~ BF250A	**37304-ZW5-000ZB**	EU, white face, Ohms 10Ω (empty) to 180Ω (full) scale
	37304-ZW5-000ZA	EU, black face, Ohms 10Ω (empty) to 180Ω (full) scale
	37320-ZW5-003SK	EU Charcoul grey face, Ohms 10Ω (empty) to 180Ω (full) scale

Fuel Meter (USA type - 240 ohms ~ 33 ohms)



Description

- Fog Resistant
- For inbuilt fuel tanks
- Drilling diameter 53MM

Application	Part Number	Comments
BF25 ~ BF250A	**37303-ZW5-000ZB**	US, white face, Ohms 240Ω (empty) to 33Ω (full) scale
	37303-ZW5-000ZA	US, black face, Ohms 240Ω (empty) to 33Ω (full) scale
	37300-ZW5-003SK	US, charcoal grey face, Ohms 240Ω (empty) to 33Ω (full) scale

Prestige Gauges

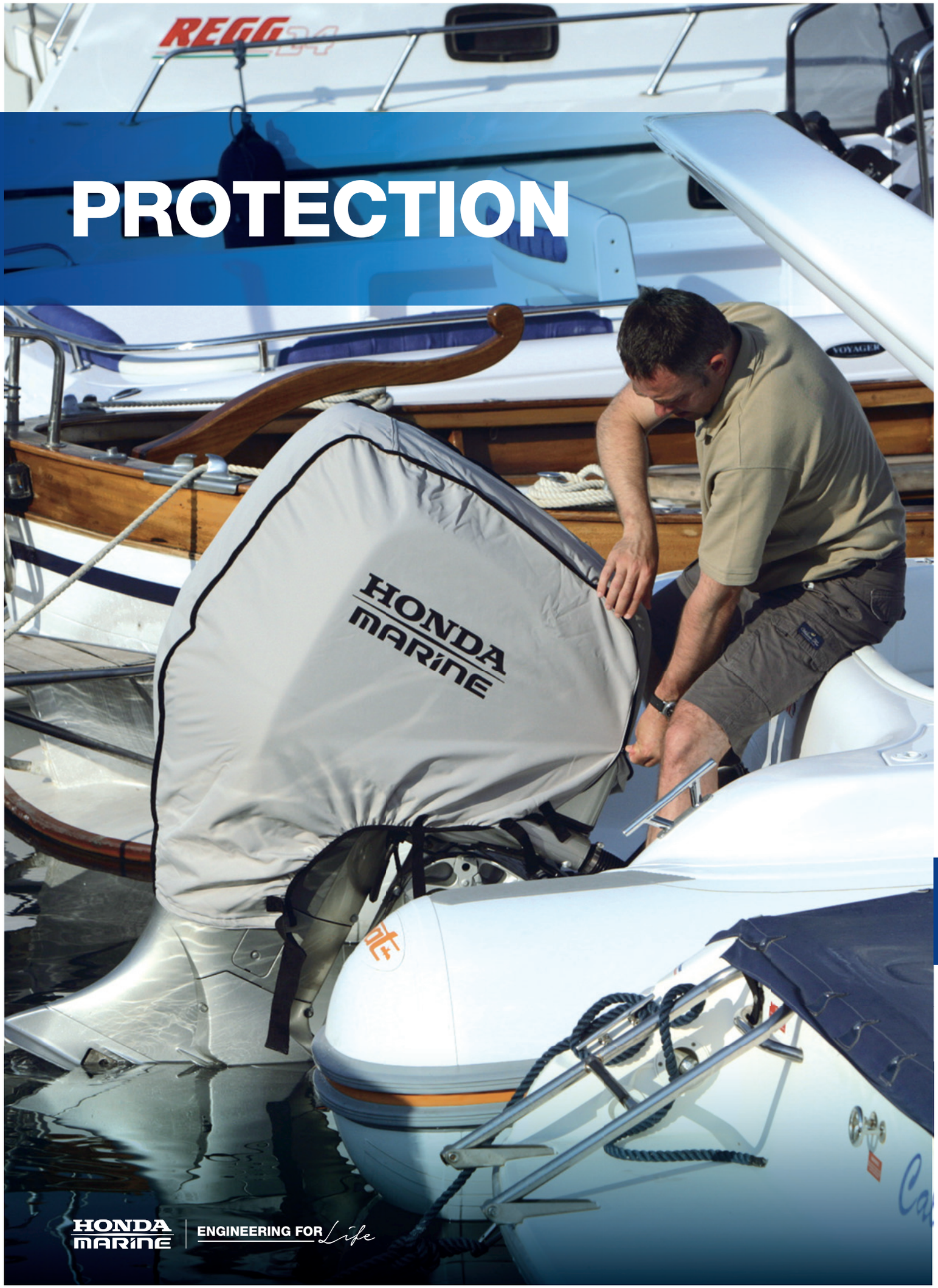


Description

- Tachometer and Trim function in one 3" dial - no need to mount separate gauges saving space on dash
- Black and silver styling - compliments latest styling of Honda engine covers
- Deutsch plug in connections - makes for easy installation/service etc
- Harness supplied with Prestige Tach/Trim gauge provides an additional connector for easy addition of fuel gauge whenever required

Application	Part Number	Comments
BF25 ~ BF250A	**06380-ZX2-U00HE**	Black face tacho trim harness
	06303-ZX2-U00HE	Black face US fuel meter Ohms 240Ω ~ 33Ω
	06304-ZX2-U00HE	Black face EU fuel meter Ohms 10Ω ~ 180Ω

* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.



PROTECTION

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PROTECTION

Remote control cover



Description

- Remote control cover single and dual, top mount.

Application	Part Number
06240-ZW5-U40 R/H, 06240-ZW5-U50 L/H (single)	**06881-ZW5-U01**
06240-ZW5-U60 R/H, 06240-ZW5-U70 L/H (twin)	**06881-ZW5-U11**

Outboard cover



Description

- Protects from UV rays, fading, sun damage
- Protects from road grime and rock chips when towing
- Keeps dust out of intakes, protects the internal workings
- Weather resistant, great for winter storage

Application	Part Number
BF2 - BF2.3	**06311-ZW6-000ZB**
BF2.3D	**06311-ZVA-000ZB**
BF4AH - BF4.5 - BF5DH -BF6AH	**06311-ZV1-000ZB**
BF8 - BF10	**06311-ZW9-000ZB**
BF15 - BF20	**06311-ZV6-000ZB**
BF25 - BF30	**06311-ZV4-000ZB**
BF40 - BF50	**06311-ZV3-000ZB**
BF60A - BFP60A	**06311-ZZ3-000ZB**
BF75DK0 - BF90DK0 - BF80 - BF100	**06311-ZY9-000ZB**
BF115A - BF130A	**06311-ZW5-000ZB**
BF115D -BF135A BF150A	**06311-ZY6-000ZB**
BF175 - BF225	**06311-ZY3-000ZB**
BF250	**06311-ZX2-000ZB**
BF175D - BF200D - BF225D - BF250D	**06311-ZVL-000ZB**

Outboard locks



Application	Part Number
BF4.5 ~ BF30	**06248-ZW6-000HE**
BF35 ~ BF250A	**06248-ZW5-000HE**

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

MISCELLANEOUS

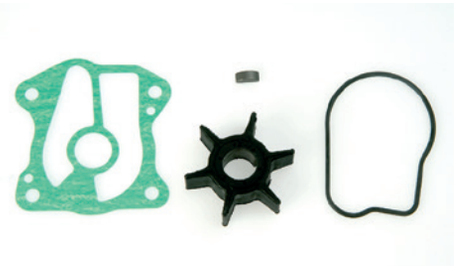


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MISCELLANEOUS

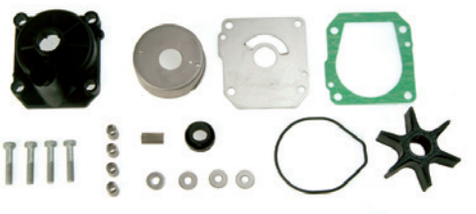
Impeller service kits

Description For general or annual servicing / repair



Water pump rebuild kit

Description For rebuild and repair



Impeller & pump kits

Application: BF5A

Part Number	Specification	Comments
06192-ZV1-C00	Impeller service Kit	Also suitable for use with BF4.5
06193-ZV1-000	Water Pump Rebuild Kit	Also suitable for use with BF4.5



Impeller & pump kits

Application: BF4AH / BF5DH / BF6AH

Part Number	Specification	Comments
06193-ZVD-000	Water Pump Rebuild Kit	



Impeller & pump kits

Application: BF8D / BF10D / BF15D / BF20D

Part Number	Specification	Comments
06192-ZW9-000	Impeller service Kit	
06193-ZW9-020	Water Pump Rebuild Kit	
06192-ZW9-A30	Impeller service Kit	Extra Long Shaft (X Type)
06193-ZW9-A32	Water Pump Rebuild Kit	Extra Long Shaft (X Type)



Impeller & pump kits

Application: BF25D / BF30D / BF20A 3 Cyl

Part Number	Specification	Comments
06192-ZV7-000	Impeller service Kit	
06193-ZV7-020	Water Pump Rebuild Kit	



* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

MISCELLANEOUS

Impeller & pump kits

Application: BF40D/BF50D - BF60A/BF40E - BF40A/BF50A



Part Number	Specification	Comments
06192-ZV5-003	Impeller service Kit	BF40A/BF50A - BF40D/BF50D
06193-ZV5-020	Water Pump Rebuild Kit	BF40A/50A , BF40D/50D
06193-ZZ3-010	Water Pump Rebuild Kit	BF40E/BF60A

Impeller & pump kits

Application: BF6A / BF8A / BF9.9A / BF15A



Part Number	Specification
06192-ZV4-000	Impeller service Kit
06193-ZV4-000	Water Pump Rebuild Kit

Impeller & pump kits

Application: BFP60A / BF75A / BF80A / BF90A / BF75D / BF90D / BF100A / BF115A / BF130A



Part Number	Specification	Comments
06192-ZW1-000	Impeller service Kit	BF75A / BF90A - Serial No:1200002~
06193-ZW1-B03	Water Pump Rebuild Kit	BF75A / BF90A - Serial No:1200002~
06194-ZZ3-000	Water Pump Rebuild Kit	BFP60A
06193-ZZ0-000	Water Pump Rebuild Kit	BF75D / BF90D
06193-ZW5-030	Water Pump Rebuild Kit	BF115A / BF130A
06192-ZW1-305	Impeller service Kit	BF75AT - Serial No: BBAL 1000001 ~ BBAL 2999999 BF90AT - Serial No: BBBL 1000001~ BBBL 2999999
06193-ZW1-305	Water Pump Rebuild Kit	BF75AT - Serial No: BBAL 1000001 ~ BBAL 2999999 BF90AT - Serial No: BBBL 1000001~ BBBL 2999999
06193-ZY9-H00	Impeller service Kit	BF80 / 100A

Impeller & pump kits

Application: BF115D / BF135A / BF150A / BF175A / BF200A / BF225A / BF250A



Part Number	Specification	Comments
06192-ZY9-H00	Water pump rebuild Kit	BF115D/ BF135A / BF150A
06192-ZY6-000	Impeller service Kit	
06193-ZY6-000	Water Pump Rebuild Kit	
06192-ZY3-000	Impeller service Kit	BF175A / BF200A / BF225A
06193-ZY3-000	Water Pump Rebuild Kit	
06192-ZX2-C00	Impeller service Kit	BF250A
06193-ZX2-C00	Water Pump Rebuild Kit	

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MISCELLANEOUS

First maintenance service kit

Application: BF2.3D ~ BF225A BF80/100A

Part Number	Specification	Comments
06211-ZW6-505	BF2.3	Kits contain most parts to undertake first major service Example kit (BF75A / BF90A)contains: • Pump kit impeller • Oil filter • Fuel strainer • Gasket thermo • Pin split 4 • Spark plugs
06211-ZV1-505	BF5A	
06211-ZV1-606	BF5AK2	
06211-ZV8-505	BF6A	
06211-ZVD-505	BF4AH / BF5DH / BF6AH	
06211-ZW9-505	BF8D / BF10D	
06211-ZV6-505	BF9.9A	
06211-ZV4-505	BF15A	
06211-ZY0-505	BF15D / BF20D	
06211-ZV7-505	BF25D / BF30D	
06211-ZV5-505	BF35A / BF40A / BF45A / BF50A	
06211-ZZ5-505	BF40D / BF50D	
06211-ZZ3-505	BF40E / BF60D	
06211-ZZ0-505	BF80A / BF100A	
06211-ZW0-505	BF75A / BF90A	
06211-ZY9-505	BF75D / BF90D	
06211-ZW5-505	BF115A / BF130A	
06211-ZY6-505	BF115D/DK1	
06211-ZY5-505	BF135A / BF150A	
06211-ZY2-506	BF175A / BF200A / BF225A	
06211-ZX2-505	BF250A	
06152-ZX2-010HE	BF175D / BF200D / BF225D / BF250D	100 hours maintenance
06153-ZX2-010HE		400 hours maintenance
06158-ZX2-010HE		800 hours maintenance



Transom Bolt Kits

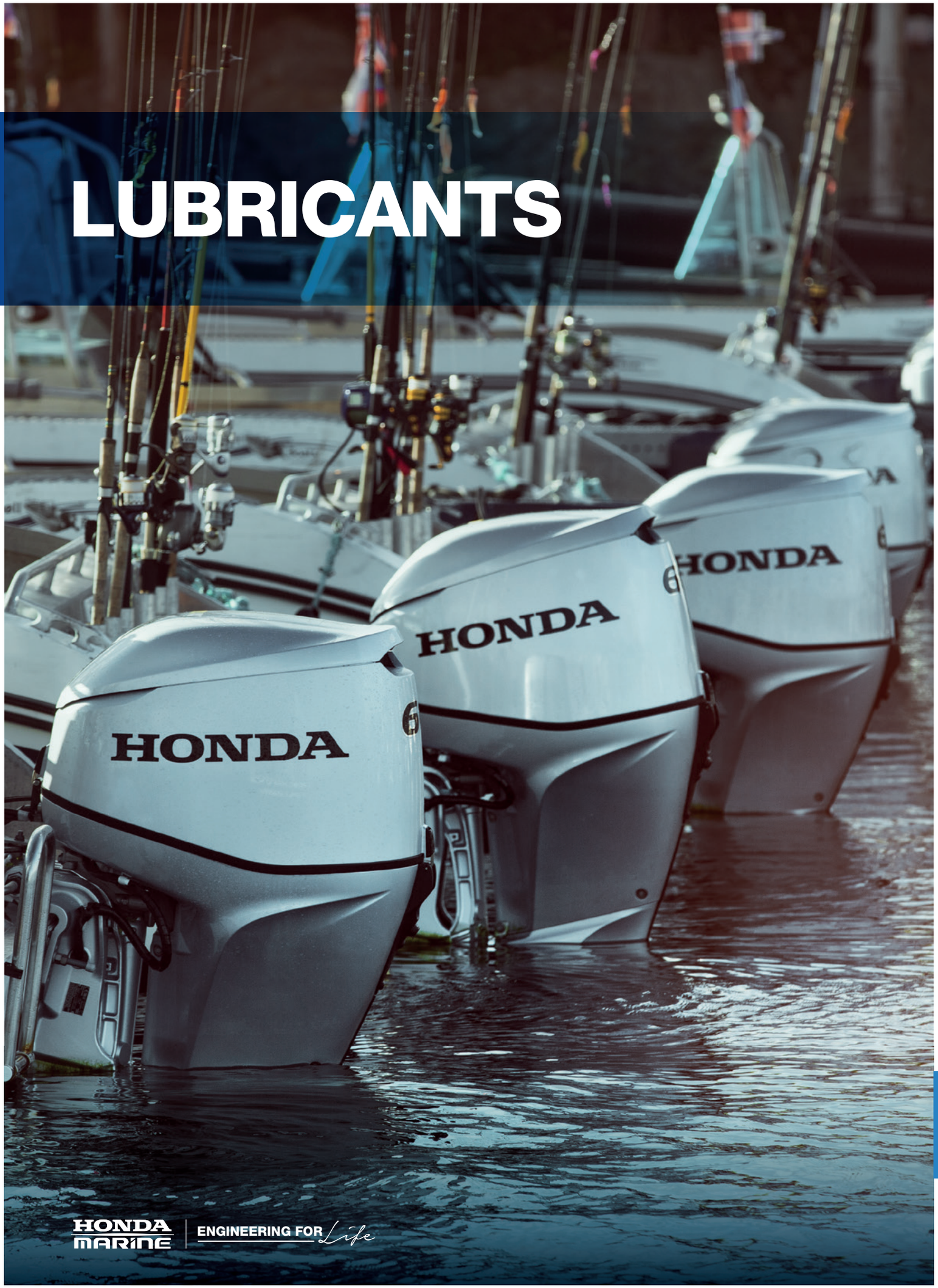
Application: BF25D ~ BF225A

Part Number	Specification (mm)/Qty	Comments
06413-ZV7-000	10 x 100 (4)	BF25D / BF30D
06413-ZZ5-000HE	12 x 100 (4)	BF40D / BF50D
06413-ZZ3-000HE	12 x 100 (4)	BF60A / BFP60A
06413-ZW1-000HE	12 x 119 (4)	BF75D / BF90D / BF80A / BF100A
06413-ZY9-000HE	12 X 130 (4)	BF115D / BF250
90129-ZZ3-010AH	12 X 160 (2)	BF75 / BF250



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LUBRICANTS



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LUBRICANTS

Lubricants

Application: BF2~ BF250A

4 Stroke Engine Oil
- Mineral based Marine engine oil
- Formulated for use with Honda Motors
- High quality solvent refined base oil

Gear Oil
- Mineral based lubricant
- Formulated for use in mechanical transmissions
- High quality solvent refined base oil

Marine Grease
- High quality multi purpose lithium grease
- Excellent anti corrosion / oxidation additives

Automatic Transmission Fluid
- ATF-Z1 for Trim & Tilt



Part Number	Specification	Comments
08221-999-100HE	4 Stroke engine oil - AP / SJ 10 W 30	1 x litre Bottle
08221-999-124MP	4 Stroke engine oil - AP / SJ 10 W 30	Multi pack - 24 x 1litre Bottles
08221-999-500HE	4 Stroke engine oil - AP / SJ 10 W 30	1 x 5 litre Bottle
08251-999-102HE	Marine gear oil - SAE 90 GL4	1 x litre Bottle
08251-999-101MP	Marine gear oil - SAE 90 GL4	Multi pack - 12 x 1litre Bottles
08739-B06-100HE	Honda Marine Grease (Lithium Nr 2)	400 gr Tube
08268-99904HE	Honda Marine ATF-Z1	4 litre barrel

Lubricants

Application: BF40D~ BF50D

Synthetic oil
A range of modern oils & lubricants have been developed to provide superior levels of engine protection in the harshest of marine environments.
- Superior protection against engine wear at low and high operating temperatures
- Excellent anti rust performance
- Outstanding engine cleanliness
- Reduced oil / fuel consumption



Application	Part Number	Specification	Comments
BF40D ~ BF50D	**08221-777-060HE**	4 Stroke Synthetic engine oil 05W30 API SL JASO MA	1 x 0.6 litre Bottle
	08221-777-060MP		Multi pack - 24 x 0.6 litre Bottles
	08221-777-100HE		1 x 1 litre Bottle
	08221-777-100MP		Multi pack - 24 x 1litre Bottles
	08221-777-400HE		1 x 4 litre Bottle
	08221-777-400MP		Multi pack - 4 x 4 litre Bottles

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

LUBRICANTS

Gear Oil Pump



Application: BF2~ BF250A

Part Number	Comments
08200-9011-HE	Fits standard Honda Marine 1 litre Gear oil bottle

Oil Extractor



Application: BF2~ BF250A

Description
- Vacuum engine oil extractor
- Removes oil from engine with no spills or mess
- Float mechanism prevents overfill
- Capacity of 6.5 litres

Application	Part Number	Comments
BF2 ~ BF250A	07999-ZW7-000AH	
	07998-ZW7-009AH	Replacement extractor tube (225mm)

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

LUBRICANTS

Boat Shampoo & Wax 1L



Description

- Effectively biodegradable and low odour formulation, developed specifically for cleaning and protection of the Boat surfaces and materials
- Formulated with carnauba wax for maximum protection and maintenance of the treated surface
- Skin friendly technology that does not contain very harmful and acidic detergents
- Removes water scales, fungus, traffic film, leaving a streak-free, shiny surface
- Safe to use on metal, synthetic material, painted surfaces, aluminium and rubber

Part Number	Comments
06782-ZY3-000HE	

Cockpit Polish Shine 400ml



Description

- Instantly restores all interior plastic, vinyl and rubber surface of any colour to their original showroom condition while freshening the vehicle with a new fragrance
- Cleans, shines and protects plastic with an inbuilt air-freshener
- Leaves a protective layer and stays for a long time and leaves a glossy finish

Part Number	Comments
06784-ZY3-000HE	To be ordered in multiples of 12pcs

Wax & Shine Polish 400ml



Description

- White Foam Polish spray in an Aerosol Can to treat plastic and rubber parts
- Leaves a protective layer and stays for a long time
- Repels moisture, protecting the surface degradation
- Safe to use on most plastic, rubber and fibreglass materials
- Leaves a glossy finish

Part Number	Comments
06783-ZY3-000HE	To be ordered in multiples of 12pcs

* The pictures used are for illustration purposes only. The rigging components may differ from those supplied.

HONWAVE



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ACCESSORIES

Bow bag

Description • With 6 connection

Application	Part Number
T25-SE/T25-AE	06310-ZV5-T41HE
T30-AE	06310-ZV5-T51HE
T24-IE	06310-ZV5-T96HE
T27-IE/T32-IE	06310-ZV5-T61HE
T38-IE	06310-ZV5-T91HE
T35-AE	06310-ZV5-T71HE
T40-AE	06310-ZV5-T81HE



Seat bag

Application	Part Number
T25-SE/T25-AE/T30-AE/T27-IE/T32-IE	06883-ZV5-T11HE
T35-AE/T38-IE	06883-ZV5-T21HE
T40-AE	06883-ZV5-T31HE



Boat cover

Application	Part Number
T20-SE	06311-ZV5-T61HE
T25-SE	06311-ZV5-T71HE
T25-AE	06311-ZV5-T76HE
T24-IE	06311-ZV5-T81HE
T27-IE	06311-ZV5-T01HE
T32-IE	06311-ZV5-T11HE
T38-IE	06311-ZV5-T51HE
T30-AE	06311-ZV5-T21HE
T35-AE	06311-ZV5-T31HE
T40-AE	06311-ZV5-T41HE



Seat kits

Description • Additionel kits including holders and glue

Application	Part Number
T25-SE2/T25-AE2/T30-AE2/T24-IE2/T27-IE2/T32-IE2	77210-ZV5-T30HE
T35-AE2/T38-IE2	77210-ZV5-T40HE
T40-AE2	77210-ZV5-T50HE



* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

ACCESSORIES

Stirrup Pump

Note • **The pump adapter is NOT supplied with the pump - order adapter seperately**

Application	Part Number
Professional pump - 300 litre	06250-ZV5-T00HE
Pump adapter	06251-ZV5-T00HE



Boat bag

Application	Part Number
T20-SE	06893-ZV5-T41HE
T24-IE, T25-SE, T25-AE, T30-AE, T27-IE, T32-IE	06893-ZV5-T51HE
T35-AE, T38-IE - Bag for Boat Only	06893-ZV5-T61HE
T35-AE, T38-IE - Bag for Aluminium Floor	06893-ZV5-T70HE
T40-AE - Bag for the Boat Only	06893-ZV5-T81HE
T40-AE - Bag for the Aluminium Floor	06893-ZV5-T90HE



Wheel kit

Application	Part Number	Comments
T32-IE, T38-IE	06427-ZV5-T50HE	Inflatable floor
T35-AE, T40-AE	06427-ZV5-T01HE	Slatted and aluminium floor



* The pictures shown, may not correspond with the content of the package that goes with the partnumber(s) mentionned.

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