

YAMAHA

OUTBOARD MOTORS

RIGGING

PARTS

GUIDE



PREFACE

This Rigging Parts Guide explains the basic features and functions of rigging parts fitted to a Yamaha Outboard Motor to help Yamaha Distributors/ Importers create proper promotional materials in each market.

For further details, please refer to the latest version of the RIGGING GUIDE that is issued separately.

The abbreviations used in this guide stand for the following words.

AGI:	Analog Gauge Interface	FM:	Flush Mount	S:	Starboard
ASSY:	Assembly	MFD:	Multi Function Display	SBW:	Steer By Wire
BCU:	Boat Control Unit	NA:	Not Applicable, Not Available	SCU:	Steering Control Unit
C:	Center	OP:	Optional	SDS:	Shift Dampener System
CP:	Center Port	P:	Port	STD:	Standard
CS:	Center Starboard	PT:	Power Tilt	STBD:	Starboard
DEC:	Digital Electronic Control	PTT:	Power Trim & Tilt	SW:	Switch
DES:	Digital Electric Steering	RC:	Remote Control	TM:	Top Mount
EKS:	Electronic Key Switch	RPM:	Revolutions Per Minute	VTS:	Variable Trolling RPM Switch

- Parts to be supplied in a kit are listed with a dot (.) in front of the part name as shown below.
- The numeral appearing to the right of each component part indicates the quantity of parts for each kit.

(Example)

Ref. No.	Part name	Part number	Q'ty	Remarks
	Steering kit	6X9-762S0-00	3	
15	. Bolt-on steering actuator	6X9-42401-00	1	
16	. Split harness	6X9-8258A-90	1	

Engine Product Planning Group
Strategy Planning Division
Planning Section
Marine Business Operations
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Note:

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WIRING DIAGRAM EXAMPLE

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29	SINGLE	703	6Y8			SINGLE
30	SINGLE	6X3	6Y8	64D/6R5		SINGLE
31	SINGLE	6X3	CL5	64D/6R5		SINGLE
32	SINGLE	6X3	CL7	64D/6R5		SINGLE
33	SINGLE	704	6Y8	6R5		SINGLE
34	SINGLE	704	CL5	6R5		SINGLE
35	SINGLE	704	CL7	6R5		SINGLE
36	TWIN	704	6Y5	6K1		SINGLE
37	TWIN	704	6Y8	6Y8		SINGLE
38	TWIN	704	CL5	6Y8		SINGLE
39	TWIN	704	CL7	6Y8		SINGLE
40	TRIPLE	6X5	6Y8	6X5		SINGLE
41	SINGLE	6X7	CL5	64D		SINGLE
42	SINGLE	6X9	CL5	EKS		SINGLE
43	SINGLE	6X9	CL5	6X6		SINGLE
44	SINGLE	6X7	CL5	64D	DES	SINGLE
46	SINGLE	6X9	CL5	EKS	DES	SINGLE
48	SINGLE	6X9	CL5	6X6	DES	SINGLE
50	TWIN	6X9	CL5	EKS		SINGLE
51	TWIN	6X9	CL5	6X6		SINGLE
52	TWIN	6X9	CL5	EKS	DES	SINGLE
54	TWIN	6X9	CL5	6X6	DES	SINGLE
56	TRIPLE	6X9	CL5	EKS		SINGLE
57	TRIPLE	6X9	CL5	6X6		SINGLE
58	TRIPLE	6X9	CL5	EKS	DES	SINGLE
60	TRIPLE	6X9	CL5	6X6	DES	SINGLE
62	QUAD	6X9	CL5	EKS		SINGLE
64	QUAD	6X9	CL5	6X6		SINGLE
66	QUAD	6X9	CL5	EKS	DES	SINGLE
68	QUAD	6X9	CL5	6X6	DES	SINGLE

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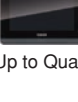
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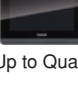
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				Gauge		Remote Control Box		Steering
				Conventional Analog Meter	Digital Network Meter *3	Mechanical RC	Digital Electronic Control (DEC) *3	Digital Electric Steering (DES) *3
				 	 Up to Quad   Up to Quad  Up to Quad	   	  	  
6HY	F20GE(P)*	F20*B		●*1	●*2	●	—	—
6FM	F25GE(T)*	F25*C / T25*C		●*1	●*2	●	—	—
6BT	F30B*	F30*A		●	●	●	—	—
6BG	F40F*	F40*A		●	●	●	—	—
60A	F50D*	—	Commercial	●	—	●	—	—
61S	FT50C*	—	Commercial, High Thrust	●	—	●	—	—
6C1	F50H*	F50*B		●	●	●	—	—
6C5	F60F*	F60*B		●	●	●	—	—
6C2	FT50J*	T50*B	High Thrust	●	●	●	—	—
6C6	FT60G*	T60*B	High Thrust	●	●	●	—	—
6CJ	F70A*	F70*A		●	●	●	—	—
6HW	F75D*	F75*B		●	●	●	—	—
6JX	F75F*	—	Commercial	●	—	●	—	—
6HV	F80D*	—		●	●	●	—	—
6FP	F90C*	F90*B		●	●	●	—	—
6HK	F90D*	VF90*A	VMAX SHO	●	●	●	—	—
60C	F100B*	—	Commercial	●	—	●	—	—
6HJ	F100F*	—		●	●	●	—	—
6JY	F100G*	—	Commercial	●	—	●	—	—
6EK	F115B*	F115*B		●	●	●	—	—
6EL	FL115B*	LF115*B		●	●	●	—	—
6FN	F115C*	VF115*A	VMAX SHO	●	●	●	—	—
6EM	F130A*	F130*A		●	●	●	—	—
6KM	FL130A*	LF130*A		●	●	●	—	—
6EH	F150C*	VF150*A	VMAX SHO	●	●	●	—	—
63P	F150D*	F150*B		●	●	●	—	—
64P	FL150D*	LF150*B		●	●	●	—	—
6BM	F150F*	—	Commercial	●	●	●	—	—
6BN	FL150F*	—	Commercial	●	●	●	—	—
6HP	F150G*	F150*CA		△	●*4	—	●	●*4 (Bolt-on)
6HR	FL150G*	LF150*CA		△	●*4	—	●	●*4 (Bolt-on)
6FA	F175A*	F175*A		●	●	●	—	—
6FH	F175B*	VF175*A	VMAX SHO	●	●	●	—	—
6HS	F175C*	F175*CA		△	●*4	—	●	●*4 (Bolt-on)
6HT	FL175C*	LF175*CA		△	●*4	—	●	●*4 (Bolt-on)
6S1	F200B*	—	Commercial	●	●	●	—	—
6S2	FL200B*	—	Commercial	●	●	●	—	—

●: Applicable —: Not applicable △: Analog Gauge Interface (AGI) is required
*1: 6Y7 Tacho Meter without warning lamp only. *2: 6Y8 Tacho Meter only. Tacho meter does not show trim information when used with F20G/F25G.
*3: Software update on certain components may be required for system compatibility.
*4: Bolt-on or Built-in DES require either CL7 Display, CL5 Display or MFD Interface.

				Gauge		Remote Control Box		Steering
				Conventional Analog Meter	Digital Network Meter *3	Mechanical RC	Digital Electronic Control (DEC) *3	Digital Electric Steering (DES) *3
				 	 Up to Quad   Up to Quad  Up to Quad	   	  	  
6AL	F200C*	F200*A		●	●	●	—	—
6AM	FL200C*	LF200*A		●	●	●	—	—
6CD	F200D*	VF200*A	VMAX SHO	●	●	●	—	—
6DA	F200F*	F200*B		●	●	●	—	—
6DB	FL200F*	LF200*B		●	●	●	—	—
6DV	F200G*	F200*CA		△	●*4	—	●	●*4 (Bolt-on)
6DW	FL200G*	LF200*CA		△	●*4	—	●	●*4 (Bolt-on)
6AS	F225B*	—		●	●	●	—	—
6AT	FL225B*	—		●	●	●	—	—
6CC	F225D*	VF225*A	VMAX SHO	●	●	●	—	—
6CL	F225F*	F225*CA		△	●*4	—	●	●*4 (Bolt-on)
6CM	FL225F*	LF225*CA		△	●*4	—	●	●*4 (Bolt-on)
6HB	F225H*	F225*B		●	●	●	—	—
6HC	FL225H*	LF225*B		●	●	●	—	—
6CB	F250C*	VF250*A	VMAX SHO	●	●	●	—	—
6CG	F250D*	F250*CA		△	●*4	—	●	●*4 (Bolt-on)
6CH	FL250D*	LF250*CA		△	●*4	—	●	●*4 (Bolt-on)
6FJ	F250H*	—	Commercial	●	●	●	—	—
6FK	FL250H*	—	Commercial	●	●	●	—	—
6FR	F250J*	VF250*A	VMAX SHO	●	●	●	—	—
6HD	F250L*	F250*B		●	●	●	—	—
6HE	FL250L*	LF250*B		●	●	●	—	—
6CE	F300B*	F300*CA		△	●*4	—	●	●*4 (Bolt-on)
6CF	FL300B*	LF300*CA		△	●*4	—	●	●*4 (Bolt-on)
6JA	F300C*	F300*A		●	●	●	—	—
6JB	FL300C*	LF300*A		●	●	●	—	—
6JD	F300D	—	Commercial	△	●*4	—	●	●*4 (Bolt-on)
6JE	FL300D	—	Commercial	△	●*4	—	●	●*4 (Bolt-on)
6GT	F375A*	XF375*SA		—	●*4	—	●	●*4 (Built-in)
6GU	FL375A*	—		—	●*4	—	●	●*4 (Built-in)
6GR	F425A*	XF425*SA		—	●*4	—	●	●*4 (Built-in)
6GS	FL425A*	—		—	●*4	—	●	●*4 (Built-in)
688	85A*	—		●	—	●	—	—
6G4	150A*	—		●	—	●	—	—
6K0	L150A*	—		●	—	●	—	—
60H	200A*	—		●	—	●	—	—
60J	L200A*	—		●	—	●	—	—

●: Applicable —: Not applicable △: Analog Gauge Interface (AGI) is required
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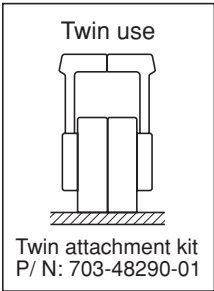
Mechanical Remote Control Box

Operated by mechanical cables to control throttle and shift mechanism.

703 Side Mount Remote Control

- All in one design such as ignition key, lanyard switch, 10pin harness with 5 meter long and PTT switch.
- Designed for use with electric start models with single engine installation.
- Either side (left or right) screw on fitting, quick and easy installation.
- Control lever with neutral lock function.

Gauge	   
Engine	  *1
Switch	Incorporated in the remote control box



*1: 2 (two) pieces of 703 control box and twin attachment are required for twin engine installation.

Reversal of the lever grip

You can reverse the grip without opening a back panel.

Original position



Step 1



- Remove the wire cover.
- Remove the lever.
- Remove the lever cover.

Step 2



- Remove the PTT harness.
- Remove the neutral lock holder.
- Remove the neutral lock lever.
- Pull the grip from lever.

Step 3



- Attach the lever.
- Attach the lever cover.

Step 4



- Attach the neutral lock lever.
- Set the PTT harness.

Step 5



- Reverse the control box.
- Attach the neutral lock holder.
- Put the grip into the lever.

704 Top Mount Remote Control

- Premium-look top mount control.
- PTT switch on the lever controls trim and tilt of twin engines simultaneously.
- Single or twin key switch panel (with ignition key and lanyard switch) and 10-pin wire harness are required separately.

Gauge	    
Engine	   
Switch	   



Single



Twin



6X3 Flush Mount Remote Control

- Premium-look flush mount control
- 2 different mounting positions (right or left side mount) are available to support variety of boat consoles.
- Single key switch panel (with or without lanyard switch depending on Remote-control's spec) and 10-pin wire harness are required separately.

Gauge	    
Engine	
Switch	 



Right side flush mount



Left side flush mount
(extra lanyard switch)



Flush mount

6X5 Top Mount Remote Control (For US)

- This unique binnacle-mount remote control is designed for triple engine application for F225 and F250 with mechanical remote control.
- Can be used only in conjunction with the genuine triple-switch panel and Digital Network Gauge System (6Y8).
- *Yamaha remote control cable, Premier Series, or equivalent cable (Teleflex CC3300) is recommended for 6X5 remote control box.
- *For further information, see the instruction (P/ N: 6X5-28199-P0) included in the package.

Gauge	   
Engine	
Switch	



Triple



Top mount

Analog Conventional Meter

- Each gauge is directly connected to the corresponding sensor.
- For electric start outboard models only to secure power source.
- For single control station only.



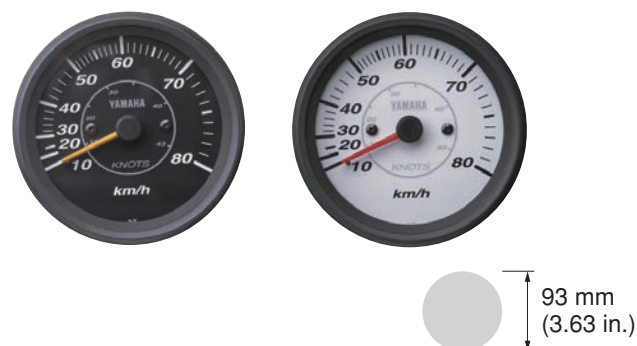
6Y7 Analog Conventional Meter

All independent instruments ease of free layout.

6Y7 Tachometer



6Y7 Speedometer



6Y7 Fuel meter



6Y7 Trim meter



6Y7 Voltage meter



6Y7 Water pressure meter



6Y7 Water temperature meter

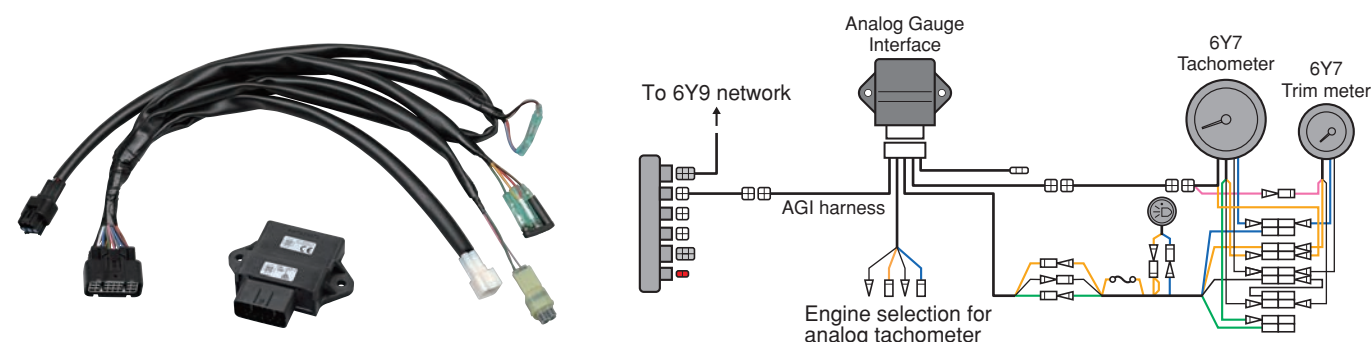


6Y7 Hour meter



Analog Gauge Interface

Uses to connect between analog gauge and network hub.
You can expand the network corresponding to the number of the engine.



6Y5 Analog Conventional Meter

Multiple information on LCD display.
Digital instruments for conventional wiring system.
Sub information can be selected to indicate.
Warning indication incorporated.

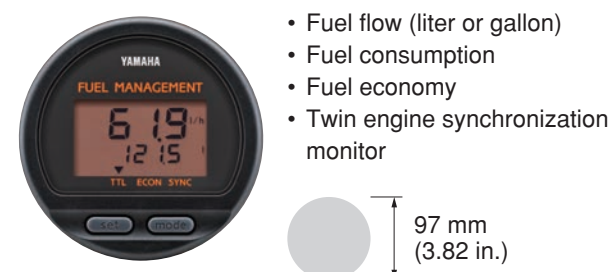
6Y5 Tachometer



6Y5 Speedometer



6Y5 Fuel management meter



Digital Network Meter

All the engine information is streamlined in the digital network for simpler rigging.
Supports multiple engine installations and multiple control stations.



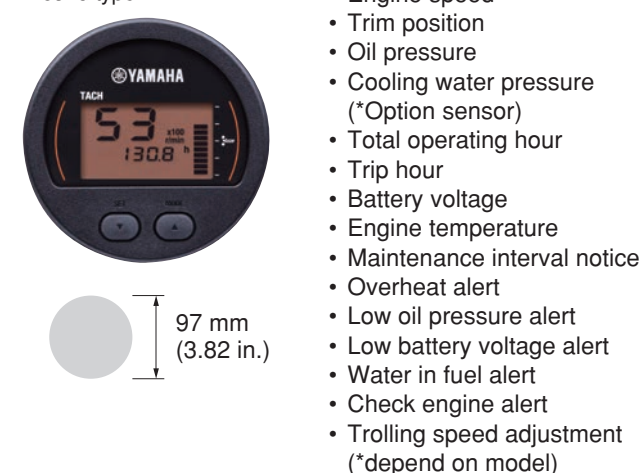
6Y8 Digital Network Meter

- Multiple information on LCD display
- Large indication of main information (on top)
- Pre-selectable sub-information (on bottom)

- Performs self-function check on start-up
- Dimmer control can be synchronized or individual

6Y8 Tachometer (round)

Round type



6Y8 Speed/ fuel combination meter (round)

Round type



Digital Electronic Control (DEC)

The remote control box and the outboard motor connected by electric wire with digital control system. The electric wires are easy to connect by one touch connector to make rigging work much simpler.

6X6 Top Mount DEC

- Support single to quad engine installations
- Support single and dual control station.
- PTT switch on the lever controls trim and tilt of multiple engines simultaneously.
- Lanyard, key switch panel, and 16 pin DBW harness are separately required.
- Automatic engine RPM synchronization (for multiple engine installation).
- Triple and quad engines can be controlled with 2 levers.
- Variety of switch panels are available, including push-button type.
- DEC may require software update depending on the outboard models applied.

Gauge	   			
Engine				
Switch		 +  + 	 +  + 	 +  +  + 


6X7 Flush Mount DEC

- Flush-mount, very compact out fitting harness with 5 meter long and PTT switch.
- Support single and dual control station.
- Lanyard switch incorporated.
- Key switch panel and 16 pin DBW harness are separately required.
- DEC may require software update depending on the outboard models applied.

Gauge	   
Engine	
Switch	



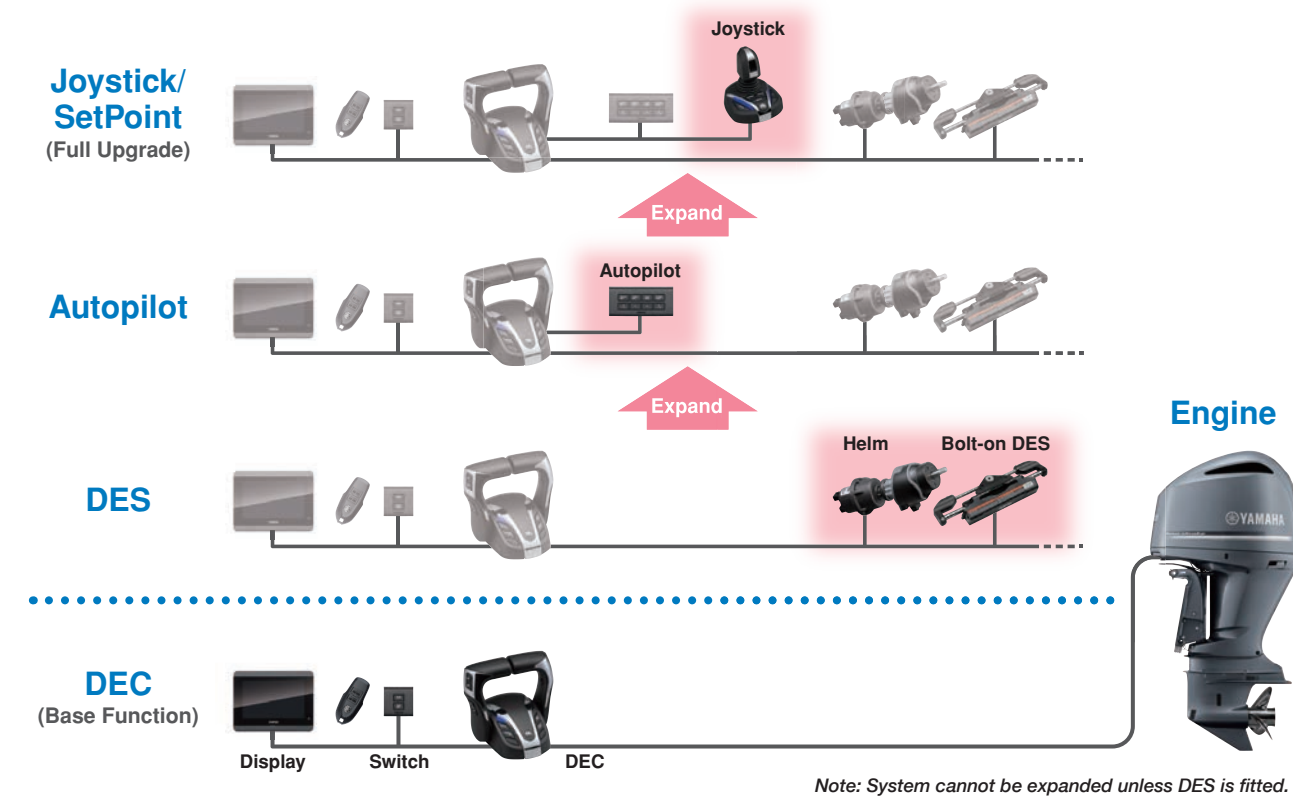
MEMO

System Concept

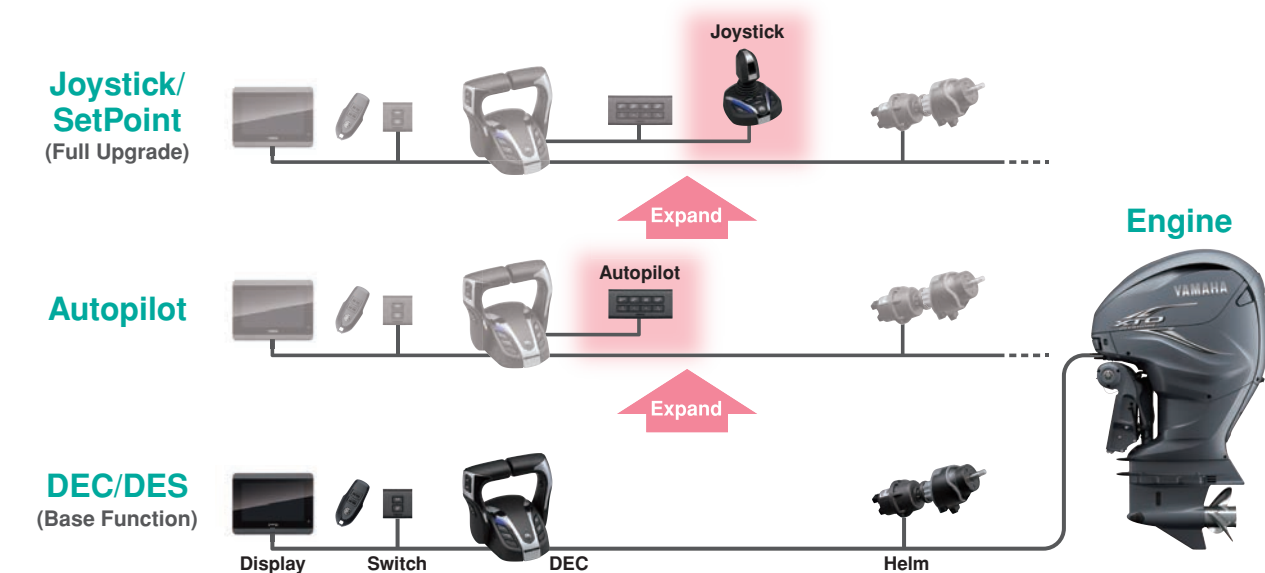
Helm Master® EX is Yamaha's new integrated boat control platform. It consists of four primary levels - Digital Electronic Control (DEC), Digital Electric Steering (DES), Autopilot and Joystick with SetPoint® with each level offering a suite of benefit to boat builders, dealers and consumers. Made with Yamaha reliability as a system. It can be installed at OEM (boat builder) factories and also easily field upgradeable by dealers according to consumer demands and preferences. Compatible with all Yamaha DEC engines from 2.8L to 5.6L (150-425hp) *1. Software of certain components are updateable via SD card, USB and/ or YDIS *2.

*1: Except first generation F350A (6AW), model year up to 2010
*2: Software update may be required for system compatibility among components. Dealers can check the necessity of update by system scan with YDIS.

DEC Outboards (F150-F350)



Built-in DES Outboards (F425)



Feature table

Function	DEC	DES	Autopilot	Joystick
Variable Troll RPM Switch (VTS)	●	●	●	●
Single Lever	●	●	●	●
Speed Control	●	●	●	●
Pattern Shift	●	●	●	●
Trim Assist	●	●	●	●
Center Engine	●	●	●	●
Neutral Hold	●	●	●	●
Adjustable Lock to Lock	—	●	●	●
Adjustable Steering Friction	—	●	●	●
Heading Hold	—	—	●	●
Course Hold	—	—	●	●
Pattern Steer	—	—	●	●
Track Point	—	—	●	●
Autopilot with Joystick Adjustability	—	—	—	●
Joystick Maneuverability (incl. Single Engine)	—	—	—	●
SetPoint® Suite Features (incl. Single Engine)	—	—	—	●
Track Point with SetPoint® Final Stop	—	—	—	●
Electronic Key Switch (EKS) with Y-COP®	●	●	●	●
CL7 Display	●	●	●	●
CL5 Display	●	●	●	●
MFD Interfaces	●	●	●	●

Digital Electronic Control (DEC)

On top of legacy values like virtually effortless shift and throttle control, built-in redundancy system and plug-and-play convenience, the new DEC offers you much more boat controls in your hand. Compatible with all Yamaha DEC engines from 2.8L to 5.6L (150-425hp) *1.

*1: Except first generation F350A (6AW), Model Year up to 2010

6X9 Top Mount DEC

Customer feature and benefit

- Compact & ergonomic design
- Speed Control
- Pattern Shift
- Single Lever
- Station
- Center Engine
- Neutral Hold
- Dimmerable lights
- Shift Detent & Throttle Friction Adjustment

Boat Builder feature and benefit

- Minimum under-dash space - main station control with separate ECU(s) and 2nd station control without ECU
- Built-in YDIS connection port
- Easy installation by a hole saw
- Updateable ECU



Gauge	CL5 CL7 MFD							
Engine	6X6 6X9		6X6 6X9		6X6 6X9		6X6 6X9	
Switch			+		+		+	

STATION

Press this button for active station transfer (when applicable).

NEUTRAL HOLD

This button throttles up the engine(s) without shift engagement.

SINGLE LEVER

Press this button to control multiple outboards with the port-side lever only.

CENTER ENGINE

Press this button to run only the center engine(s) for slower trolling.

SPEED CONTROL

Once you reach your desired RPM or Boat Speed *2 by the control lever(s), press speed DN button to hold or throttle up or down with the touch of a button. Buttons are conveniently located on the port-side lever for easy use with Single Lever mode.

PATTERN SHIFT

Activated when you are in-gear (trolling) and press speed DN, system takes care of automatic shifting to further lower trolling speed. Applicable also to reverse shift. Great for troll fishing like walleye or back trolling.

INDIVIDUAL TRIM CONTROL

TRIM ASSIST

Automates engine trim as you accelerate or decelerate to maximize performance and fuel economy. Trim Assist can be activated by compatible Yamaha gauges. Five points preset is available by specific RPM or Boat Speed *2.

*2: Control by Boat Speed is available only when upgraded to Autopilot or Joystick.

(%)

100

80

60

40

20

0

1000

2000

3000

4000

5000

6000

(r/min)

Built-in YDIS connection port

The easily accessible port helps Yamaha dealers connect YDIS for system compatibility scan and diagnosis.

Separate ECU

for Single engine

for Twin engine

for Triple engine

for Quad engine

17

For details, refer to the latest version of RIGGING GUIDE.

Display

Helm Master® EX offers four different types of displays - CL7, CL5 and MFD Interfaces (Type-1 and -2) - to support a wide variety of console configurations. Installation of one of these displays is required for full system performance and indications/ settings shown below. These displays are also compatible with Command Link Plus® legacy DEC system and Command Link® fuel injection, mechanical controlled outboards *1.

- Regular indication *2

 - Shift position
 - Engine speed
 - Trim position
 - Engine temperature
 - Cooling water pressure
 - Oil pressure
 - Cranking battery voltage
 - House battery voltage
 - Boat speed
 - Fuel economy
 - Fuel consumption
 - Fuel flow
 - Available fuel volume
 - Total hour
 - Trip hour
 - Trip Distance
 - Water surface temperature
 - Water Depth
 - Rudder angle
 - Trim tab position
- Alert indication *2

 - Overheat
 - Low oil pressure
 - Low voltage
 - Water in fuel
 - Check engine
 - Check system
 - Steering malfunction
 - Low fuel pressure
- Condition indication *2

 - Y-COP® Immobilizer icon
 - Engine warming up icon
 - Engine synchronization icon
 - Autopilot icon and status/ bar
 - Speed Control icon
 - Single Lever icon
 - Trim Assist icon
 - Function and status pop-up massages
 - Maintenance Reminder
- Setting *2

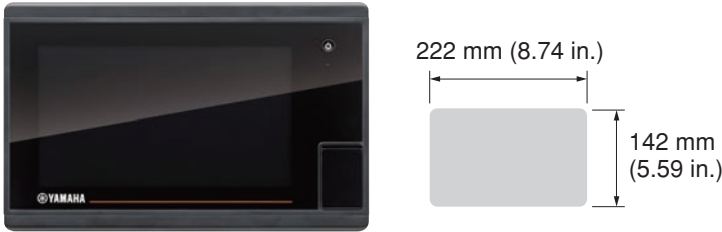
 - Trim Assist (On/Off) and Preset
 - PTT Switch Preset (Quad engine)
 - Tank Preset
 - Calibration
 - Steer Friction (Regular/Heavy)
 - Lock to Lock (Constant/Variable)
 - Speed Control (RPM/GPS)
 - Autopilot Setting
 - Joystick and SetPoint Setting
 - Reset
 - Trip Information
 - Diagnosis (Trouble codes)
 - Technician setting
 - Maintenance Reminder

*1: Except F20G/ F25G (6HY/ 6FM).
*2: Contents of indication may vary by outboard models and/or external accessories applied.

CL7 Display *3

7 inch full TFT touch-screen display.
Built-in gateway offers easier connection with NMEA 2000 compatible devices.
Variety of optional MFD functions are also available, such as radar, sonar, etc.
Software updateable via SD Card and YDIS.

*3: Radio law is applicable for Wifi model. Sale is restricted to the certified countries shown in a separate page.



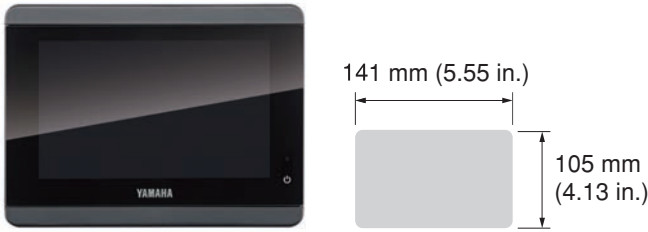
INTEGRATED CONTROL AND INFORMATION SYSTEM

	Feature/ Products	CL7™	Remarks
Engine Information	Single/Twin/Triple/Quad engine	○	
	Engine gauge screen design on the other brands' MFD	○	Information via built-in gateway. Work with compatible MFD.
	Personalized picture	○	
MFD Function	Chart Plotter	○/ OP	Need map (depend on model)
	Sonar	OP	8p/ G or Airmar transducer
	Rader	OP	Garmin net/ G antenna
	Autopilot	OP	
	Video	OP	
	Music control	OP	NMEA2000 compatible
	Digital switching	OP	NMEA2000 compatible
	XM Weather	OP	NMEA2000 compatible
	Control w/ button	OP	Garmin net/ G panel
Connection	Gateway (Engine info)	○	
	Fuel sender (Analog)	○ (6 tank)	4 tanks (Helm Master)
	NMEA2000/ 0183	○	
	Video-IN	○	
	Wi-Fi	○	Depends on model
Other	Updateable	○	microSD™ memory card

○: Standard feature
OP: Garmin optional parts required (all the necessary optional parts are available from Garmin)

CL5 Display

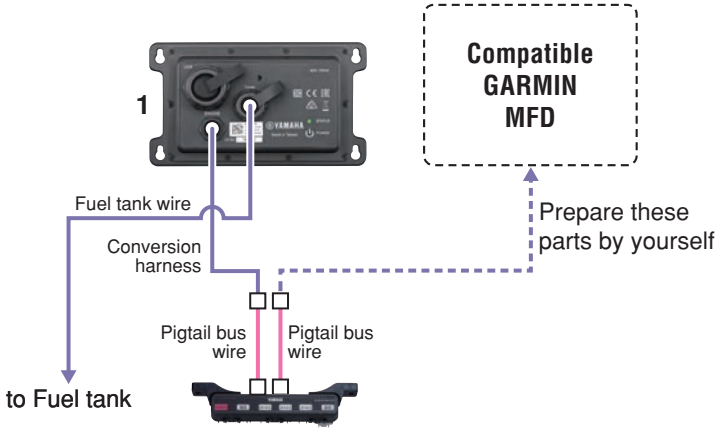
5 inch LCD touch panel display with sophisticated flat design.
Simple software update by USB.



MFD Interface

MFD Interface Type-1

This unit interfaces engine information to the compatible Garmin MFD, allowing touch panel operation. No installation space required on console - perfect for a boat with large MFD's or limited console space. Simple software update by USB.

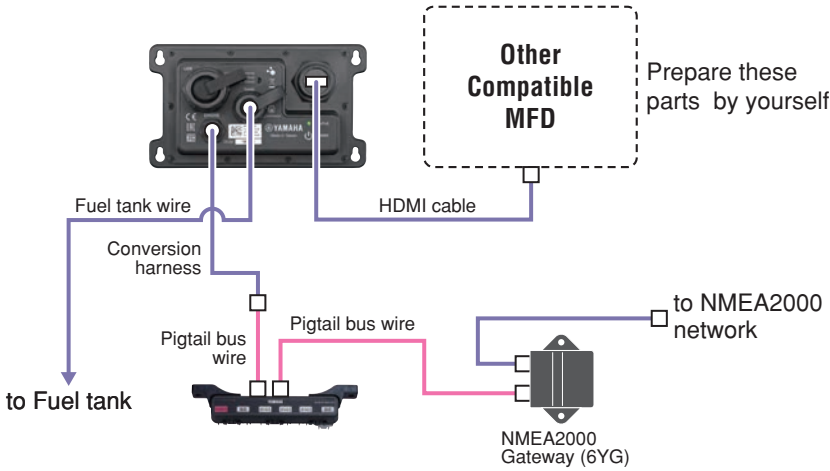


MFD Interface Type-2 *4

This unit interfaces engine information to the compatible MFD via HDMI cable and NMEA2000 Gateway (6YG). *5
Engine display operation can be done via wireless handheld remote controller.
No installation space required on console - perfect for a boat with large MFD's or limited console space. Simple software update by USB.



Remote controller



*4 Radio law is applicable. Sale is restricted to the certified countries shown in a separate page.
*5 The latest version of NMEA2000 Gateway (6YG) is required for MFD Interface Type-2.

Electronic Key Switch (EKS) *1

Start your outboard (s) without a mechanical key. With a smart key fob in your pocket, push POWER button to unlock Y-COP® and power up the system at a time. Another push starts your engines simultaneously *2. Working with new 6X9 Digital Electronic Control (DEC).

- Customer feature and benefit

 - Car-like operation - start your engines with the key fob in your pocket
 - Integrated Y-COP® outboard theft-deterrent system
 - Sophisticated and flat panel design
 - Floatable key fob
 - Key fob weak battery notification
 - Factory provided 4-digit password will help you start engines when Y-COP® locked and key fob lost - you can also set your own password.
- Boat Builder feature and benefit

 - Less footprint by split panels
 - Initialization by YDIS (instead of Entry Box)

*1: Radio law is applicable. Sale is restricted to the certified countries shown in a separate page.
*2: All Start/Stop function is available for triple engines and up.

Engine number (s)	Main station			2nd station		
Single	Power SW Start/ stop SW	Emergency stop SW	Key fob	Start/ stop SW	Emergency stop SW	
Twin	Power SW Start/ stop SW	Emergency stop SW	Key fob	All start/ stop SW	Individual start/ stop SW	Emergency stop SW
Triple	Power SW All start/ stop SW	Individual start/ stop SW	Emergency stop SW	Key fob	All start/ stop SW	Individual start/ stop SW
Quad	Power SW All start/ stop SW	Individual start/ stop SW	Emergency stop SW	Key fob	All start/ stop SW	Individual start/ stop SW

Radio law certified country list

Area	Country	CL7 Display (Wifi model)	MFD Interface Type-2 (Wifi)	EKS/ Y-COP® 433MHz	EKS/ Y-COP® 315MHz
North America	Canada	○	○		○
	USA	○	○		○
EU	Austria	○	○	○	
	Belgium	○	○	○	
	Bulgaria	○	○	○	
	Croatia	○	○	○	
	Cyprus	○	○	○	
	Czech Republic	○	○	○	
	Denmark	○	○	○	
	Estonia	○	○	○	
	Finland	○	○	○	
	France	○	○	○	
	Germany	○	○	○	
	Greece	○	○	○	
	Hungary	○	○	○	
	Ireland	○	○	○	
	Italy	○	○	○	
	Latvia	○	○	○	
	Lithuania	○	○	○	
	Luxembourg	○	○	○	
	Malta	○	○	○	
	Netherlands	○	○	○	
Other Europe	Poland	○	○	○	
	Portugal	○	○	○	
	Romania	○	○	○	
	Slovakia	○	○	○	
	Slovenia	○	○	○	
	Spain	○	○	○	
	Sweden	○	○	○	
	UK	○	○	○	
	Albania	○	○	○	
	Bosnia & Herzegovina	○	○	○	
	Iceland	○	○	○	
	Kyrgyzstan	○	○	○	
Russia	Liechtenstein	○	○	○	
	Moldova	○	○	○	
	Montenegro	○	○	○	
	Norway	○	○	○	
	Republic of Macedonia	○	○	○	
	Serbia	○	○	○	
	Switzerland	○	○	○	
	Ukraine	○	○	○	
	Russia	○	○	○	
	UAE	○	○	○	
Middle East	Turkey			○	
	Japan	○	○		○
Asia	Singapore		○		○
	Australia	○	○		○
Oceania	New Zealand	○	○		○
	Antigua and Barbuda	○	○		○
Caribbean	Bahamas	○	○		○
	Barbados	○	○		○
	Bermuda	○	○		○
	BVI		○		○
	Cayman	○	○		○
	Curacao	○	○	○	
	F. Guiana	○	○	○	
	Guadeloupe	○	○	○	
	Jamaica		○		○
	Martinique	○	○	○	
	Puerto Rico		○		○
	Trinidad		○		○
Africa	USVI		○		○
	South Africa	○	○	○	
Central America	Honduras		○		○

Digital Electric Steering (DES)

Yamaha's DES is the electronically controlled steering system with two different forms; Bolt-on and Built-in. Unlike aftermarket steering system, it is digitally connected from the helm to the engine, requiring no external pumps or steering fluid. It offers stable and assured steering and also steering setting can be changed depending on various boating situation.

Customer feature and benefit

- More responsive and precise than conventional steering system
- Selectable Steering Friction (Regular/ Heavy)
- Selectable Lock-to-Lock (Constant/ Variable)
- Rudder Angle indication on Helm Master® EX compatible displays
- Durable steering actuator
- System condition detection with fail-safe control

Boat Builder feature and benefit

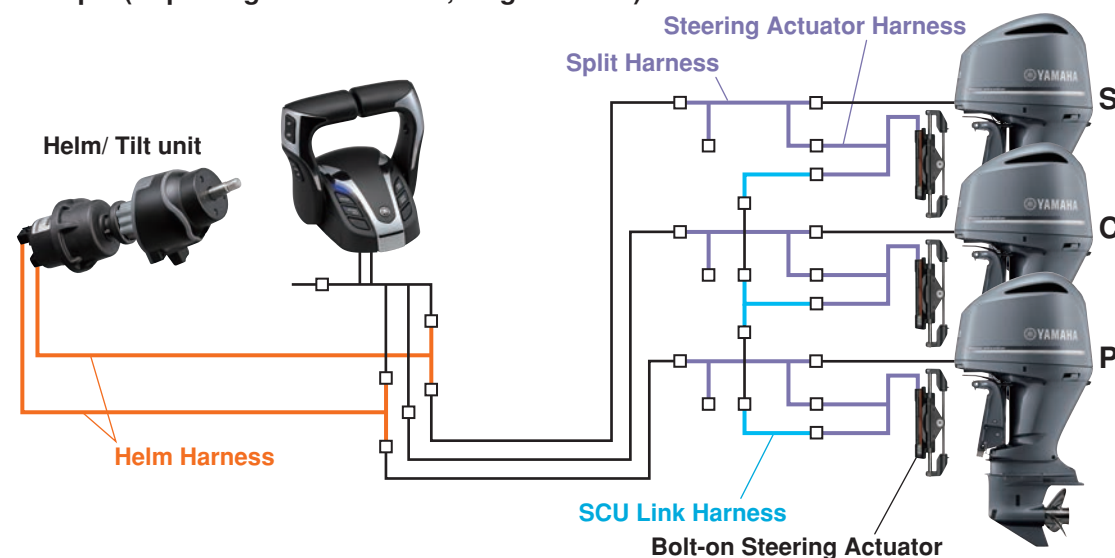
- Simpler rigging - no pump, hydraulic hoses, fluid filling nor air purging
- Save space - no pump
- Clean rigging, orderly bilge area and low power consumption.
- Two helm types are available to support various console shape and size
- Steering Friction preset (100% to 200% friction)
- Lock-to-Lock preset (4 to 9 turns, constant and variable)
- Toe adjust -2.0° (tow-in) to +2.0° (tow-out)
- Wedge-angle (pontoon boats), max 10°.



Bolt-on DES

Compatible with all current DEC outboards with conventional clamp-bracket, 2.8L to 5.3L (150-350hp). Support single to quad engine installation.

Diagram example (Triple engine installation, single station)



Bolt-on Steering Actuator

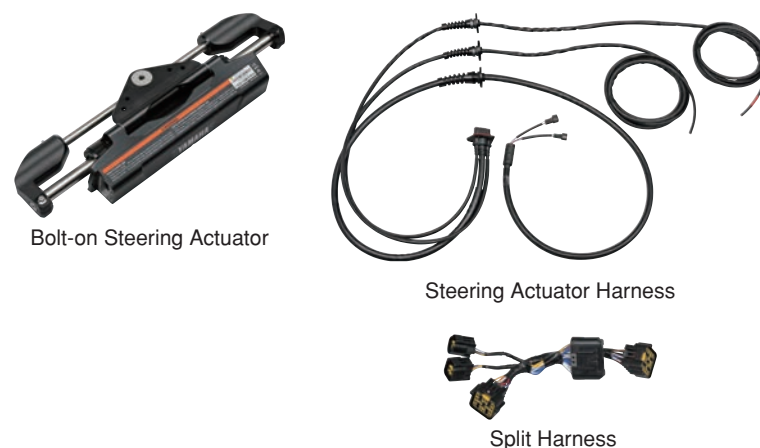
- All-in-one design integrating SCU

Steering Actuator Harness

- Required to connect Bolt-on Steering Actuator to the digital network
- Length variations are available to support standard boat transom and outer-bracket

Split Harness

- Required to connect Bolt-on Steering Actuator to the digital network
- No length variation

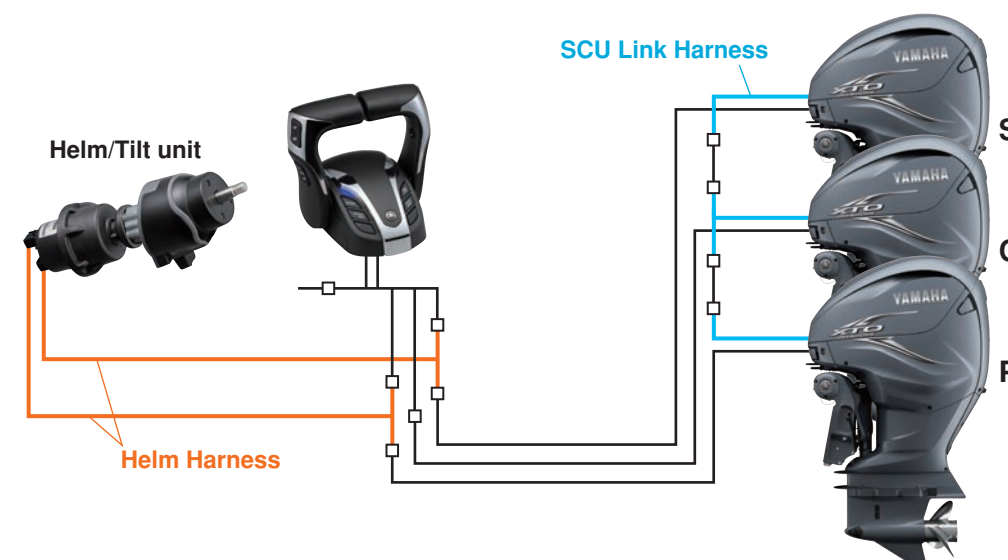


Built-in DES (XTO)

Industry-first integrated electric steer-by-wire system.

Support single to quad engine installation. Less interference with motor well when tilted up - can be used in flat-transom applications.

Diagram example (Triple engine installation, single station)



Helm, Tilt and Harness

Helm and Tilt unit

- Digitally control steering angle of outboard motor
- Steering friction applied by electromagnetic brake
- Adjustable tilt angle (6GR type)
- Less under-dash projection length for smaller console (6X9 type)
- Steering wheel needs to be prepared as a boat builder's preference



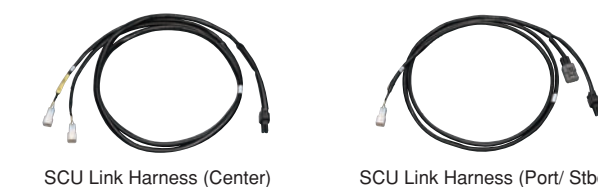
Helm Harness

- Required to connect Helm Unit to the digital network
- Length variations are available. Different type of harnesses are applied by single or multiple engine and main or 2nd station



SCU Link Harness

- Required only for multiple engine installations for engine's mutual communication
- Length variations are available. Different type of harnesses are applied by port/ starboard or center engine connection





AUTOPILOT

Yamaha's first Genuine Autopilot system. In addition to the standard Autopilot functions like Heading/Course Hold, it will offer you Yamaha's exclusive features in combination with Joystick and SetPoint®.



■Customer feature and benefit

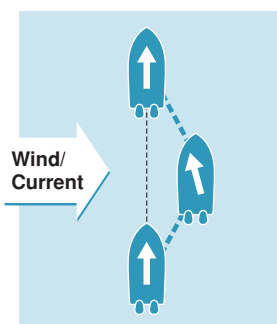
- Standard Autopilot functions - Heading/Course Hold, Pattern Steer and Track Point *1
- Autopilot with Joystick Adjustability *2
- Track Point with SetPoint® Final Stop *2
- Easy-to-use switches (button per function)
- Low speed autopilot with pattern shift
- Sophisticated flat panel design

■Boat Builder feature and benefit

- Upgradeable for a DES fitted boat
- No initial setting required except compass calibration
- Compatible with all current DEC outboards 2.8L to 5.6L (150-425hp) *3

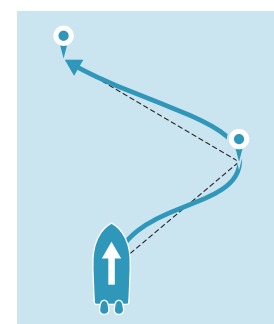
Standard Autopilot functions

Course Hold



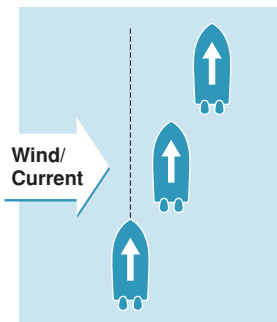
Holds the vessels course automatically adjusting for wind or current drift.

Track Point *1



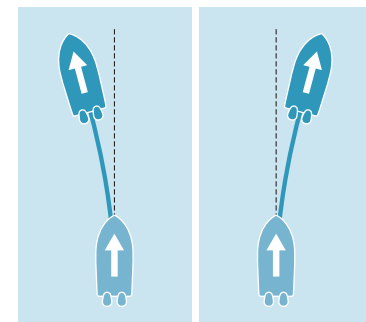
Navigates through operator selected MFD waypoints.

Heading Hold



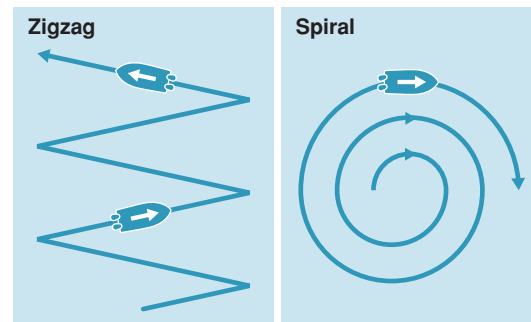
Holds the vessels compass setting. Applicable also to reverse shift for enhanced back trolling.

Arrow Buttons



Press this button to change the set heading of your boat at Heading/ Course Hold modes. Short press : 1 degree increment. Long press : 5 degrees increment. Hold the button down for further steering.

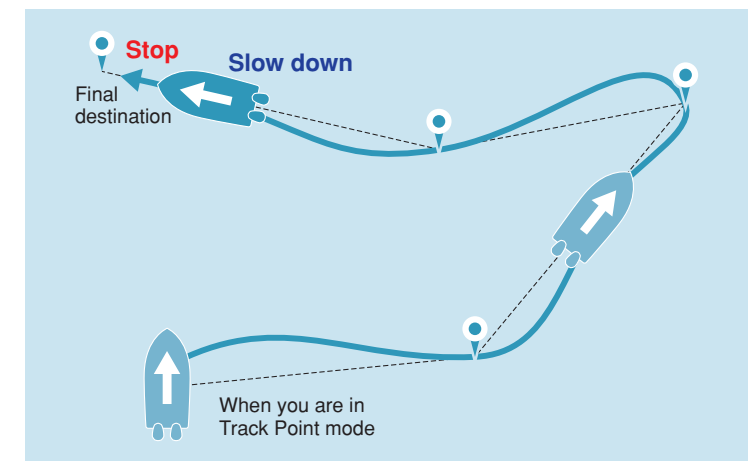
Pattern Steer



Pre-selected patterns that are adjustable - Spiral and Zig-zag - useful to find signs of fish at a target spot.

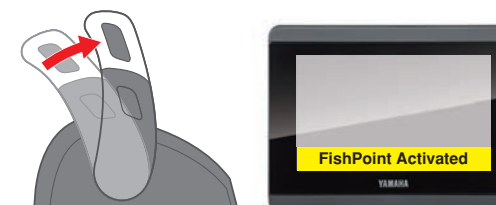
TRACK POINT with SETPOINT

Approaching the final destination of Track Point, the boat will automatically slow down and finally stop *4.



Upon arrival at final destination, shifting neutral activates either of following;

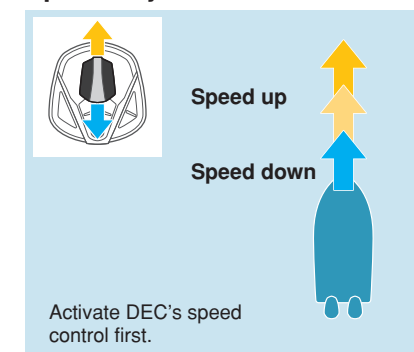
- Boat stop automatically, then SetPoint *2
- Boat stop automatically (no SetPoint)
- No automatic stop



Autopilot with Joystick Adjustability *2

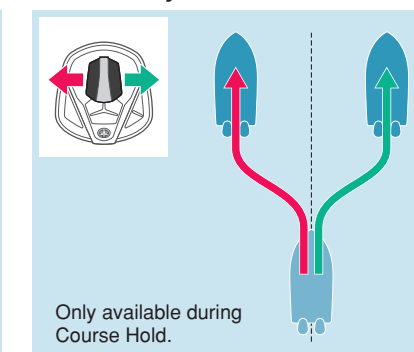
More intuitive Autopilot control by Joystick knob - adjustment of speed, course and heading without touching steering wheel or throttle levers.

Speed Adjust



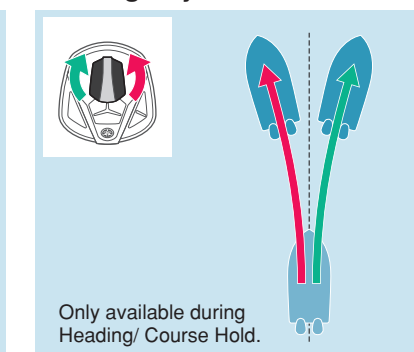
Activate DEC's speed control first.

Course Adjust



Only available during Course Hold.

Heading Adjust



Only available during Heading/ Course Hold.

*1: The latest version of NMEA2000 Gateway (6YG) or CL7 Display is required for Track Point and DriftPoint Track to obtain MFD navigation route information via NMEA 2000 network.

*2: Available when upgraded to Joystick (full upgrade).

*3: Except first generation F350A (6AW), model year up to 2010.

*4: Boat may pass by the final destination depending on MFD.

* Autopilot/ SetPoint do not monitor or avoid people, other boats, obstacles, shoal, etc. Skipper needs to stay at helm with lanyard switch and keep proper lookout to avoid collisions.



JOYSTICK

Ergonomic and low profile design. Smoother knob action and better feeling. The next generation Joystick gives you much more low speed maneuverability with less shifting *1. Intuitive Autopilot control. SetPoint® suite features. And most of these features are available for the single engine application too.



Customer feature and benefit

- New ergonomic and low profile design
- SetPoint® Suite Features - StayPoint®, FishPoint®, DriftPoint® and DriftPoint® Track
- Single engine Joystick maneuverability and SetPoint® *2
- Autopilot with Joystick Adjustability
- Track Point with SetPoint® Final Stop
- Easy-to-use switches (button per function)
- Smoother Joystick maneuvering
- Wide range Joystick calibration
- 5 step Joystick thrust adjustment
- Cool blue lighting illumination

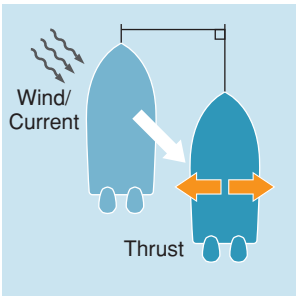
Boat Builder feature and benefit

- Upgradeable for a DES fitted boat
- Easy installation by a hole saw and ring nut
- Compatible with all current DEC outboards 2.8L to 5.6L (150-425hp) *3

SETPoint suite features

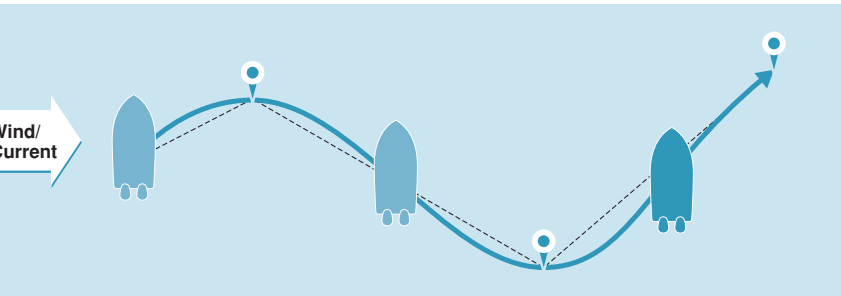
SetPoint® has three primary modes - StayPoint®, FishPoint® and DriftPoint® - offers captains even greater control for situations such as fishing, controlled drifting and maintaining position.

DRIFTPOINT



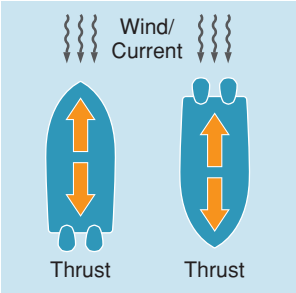
Keeps heading. Great for drift-fishing a wreck or kite fishing.

DRIFTPOINT TRACK *4



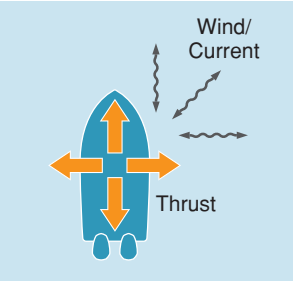
Keep the heading and drift to trace the waypoint (s) which you set from MFD - like following same depth contour or keeping distance from shore. You can enter this mode to push DRIFTPOINT button when MFD navigation route is set.

FISHPOINT



Keeps position. This mode uses minimal RPM to hold your position. Perfect for stationary fishing.

STAYPOINT



Keeps position and heading. Handy when waiting for a bridge or for your turn to approach a fuel dock.

JOYSTICK

Press this button to activate Joystick maneuvering mode shown in the adjacent page.

Thrust Adjustment

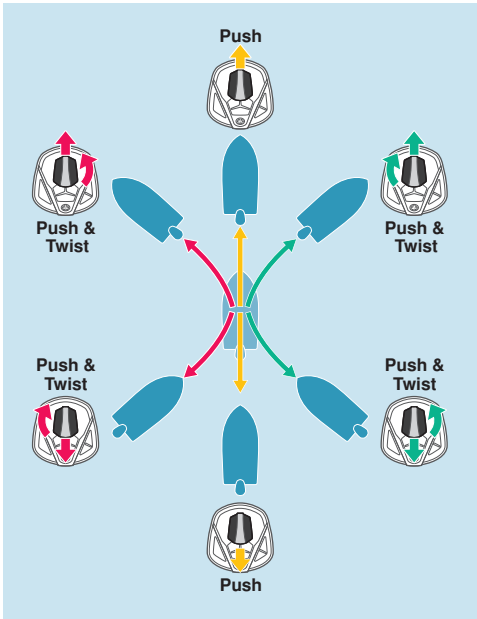
5 steps Joystick thrust adjustment. It can also adjust Autopilot steering sensitivity.

Joystick maneuvering

Low speed Joystick maneuvering is extremely intuitive and useful for various occasions like docking, turning in the confined space or navigating through no-wake zone. Single-hand, fingertip joystick operation integrates control of the throttle, shift and steering – instead of multiple boat operating devices like conventional steering wheel and control levers.

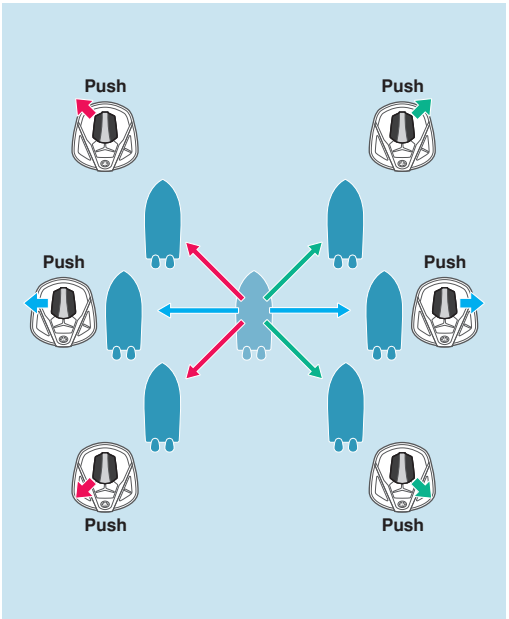
Standard maneuver

Moving forward, backward, and turn right or left



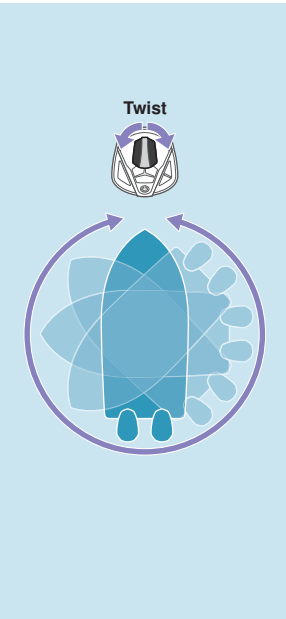
Lateral maneuver

Moving left, right or diagonal



Pivot-turn maneuver

Rotating left or right on the spot



Multiple engines

	●	●	●
Single engine	●	—	—

*1: Joystick maneuvering performance, especially sideways move is dependent on boat/ engine application. Performance test and boat builder acknowledgement is required prior to ordering/ sales.
*2: Joystick sideways operation and StayPoint® are not applicable to single engine application.
*3: Except first generation F350A (6AW), model year up to 2010.
*4: The latest version of NMEA2000 Gateway (6YG) or CL7 Display is required for Track Point and DriftPoint Track to obtain MFD navigation route information via NMEA 2000 network.
* Autopilot/ SetPoint do not monitor or avoid people, other boats, obstacles, shoal, etc. Skipper needs to stay at helm with lanyard switch and keep proper lookout to avoid collisions.

SINGLE
ENGINE

703
Remote Control

6Y5
GAUGE

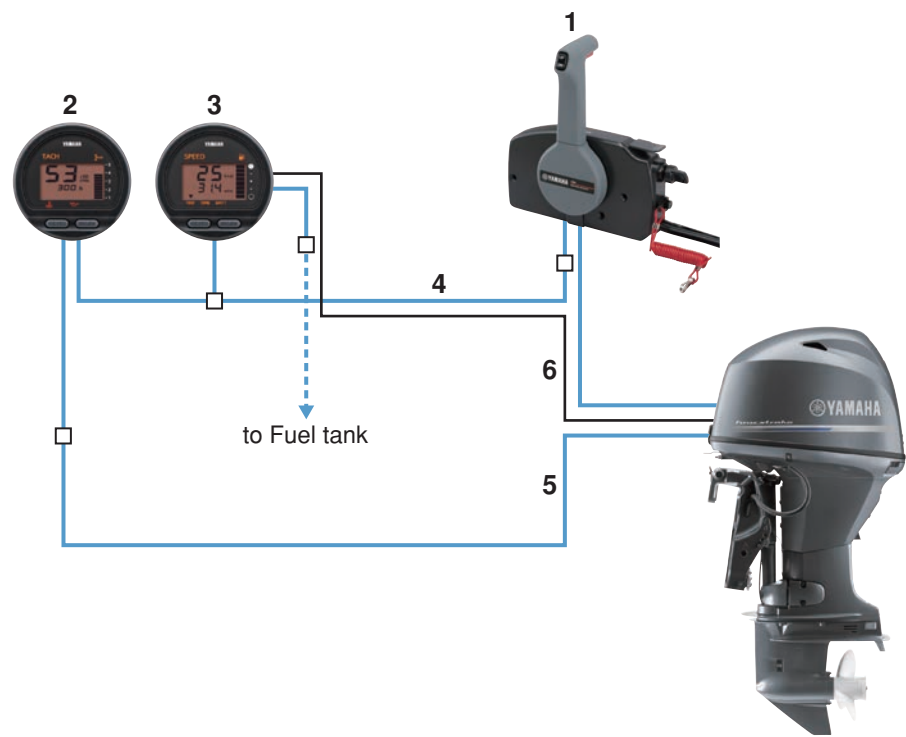
SWITCH

STEERING

SINGLE
STATION

Compatible outboard motors

2 stroke & 4 stroke, mechanical remote control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number				Q'ty	Remarks
1	703 single RC	703-48207-22				1	
	Gauge kit	6YR-762G0-20	1	6YR-762G0-30	1	6YR-762G0-50	1
2	. Tachometer	6Y5-8350T-E0	1	6Y5-8350T-E0	1	6Y5-8350T-E0	1
3	. Speedometer	—	—	6Y5-83570-A0	1	6Y5-83570-A0	1
4	. Meter harness	—	—	—	—	6Y5-83553-M0	1
	. Meter harness	—	—	6Y5-83553-N0	1	—	2.5 m (8 ft) with 10 amp twin-fuse (for single engine with tachometer + speedometer)
	. Meter harness	6Y5-83553-20	1	—	—	—	2.5 m (8 ft) with 10 amp twin-fuse (for single engine with tachometer or twin engine regular rotation)
5	. Trim and oil lead	6Y5-83653-20	1	—	—	—	2.5 m (8 ft) with 10 amp twin-fuse (for single engine with tachometer or twin engine counter rotation)
6	. Trim and oil lead	—	—	6Y5-83653-30	1	6Y5-83653-30	7 m (23 ft)
	. Speedometer tube	—	—	6Y5-83557-10	1	6Y5-83557-10	8 m (26 ft)
	. Wire-lead	—	—	—	—	6Y5-82117-00	30 cm (1 ft), BLK

SINGLE
ENGINE

703
Remote Control

6Y8
GAUGE

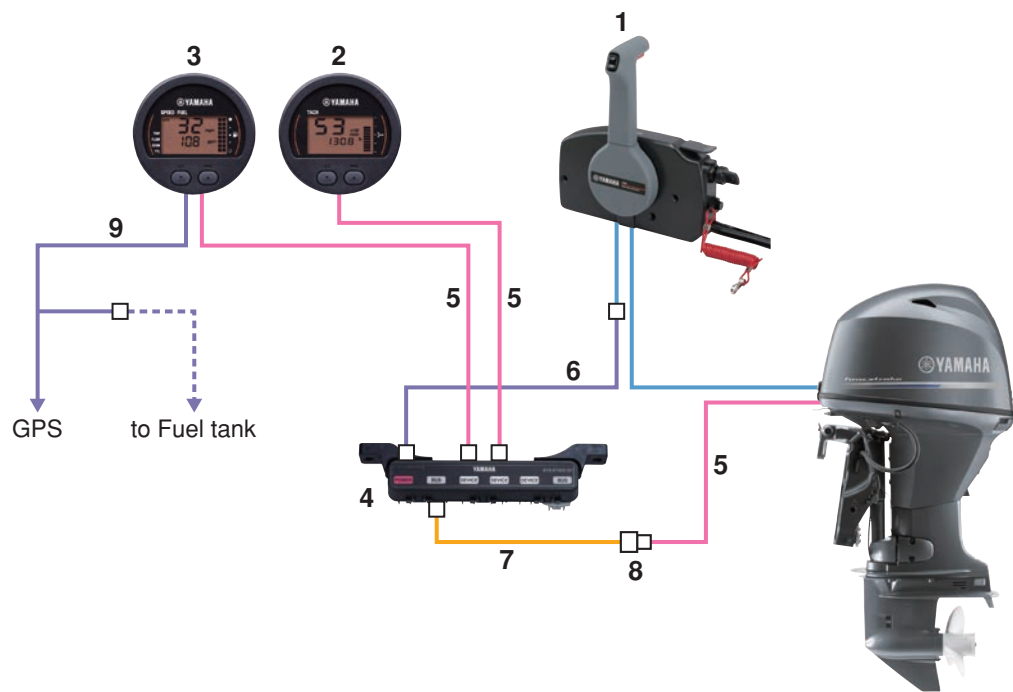
SWITCH

STEERING

SINGLE
STATION

Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number				Q'ty	Remarks
1	703 single RC	703-48207-22				1	
	Gauge kit	6YR-762G0-80	1	6YR-762G0-40	1	6YR-762G0-90	1
2	. Tachometer	6Y8-8350T-20	1	6Y8-8350T-20	1	6Y8-8350T-20	1
3	. Speed and Fuel combination meter	—	—	6Y8-83500-20	1	6Y8-83500-20	1
4	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	6Y8-81920-01	1
5	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	2	6Y8-82521-11	2
	. Pigtail bus wire	6Y8-82521-41	1	—	—	—	—
6	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	6Y8-83553-01	1
7	. Main bus wire	6Y8-82553-21	1	6Y8-82553-21	1	6Y8-82553-21	1
8	. Single-hub	6Y8-81920-11	1	6Y8-81920-11	1	6Y8-81920-11	1
9	. Fuel tank/ GPS wire	—	—	6Y8-8356N-01	1	6Y8-8356N-01	1
	. Speed sensor Kit	—	—	60V-8A4L1-1A	1	—	—
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	1	6Y8-82582-11	1

1) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21 *1	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

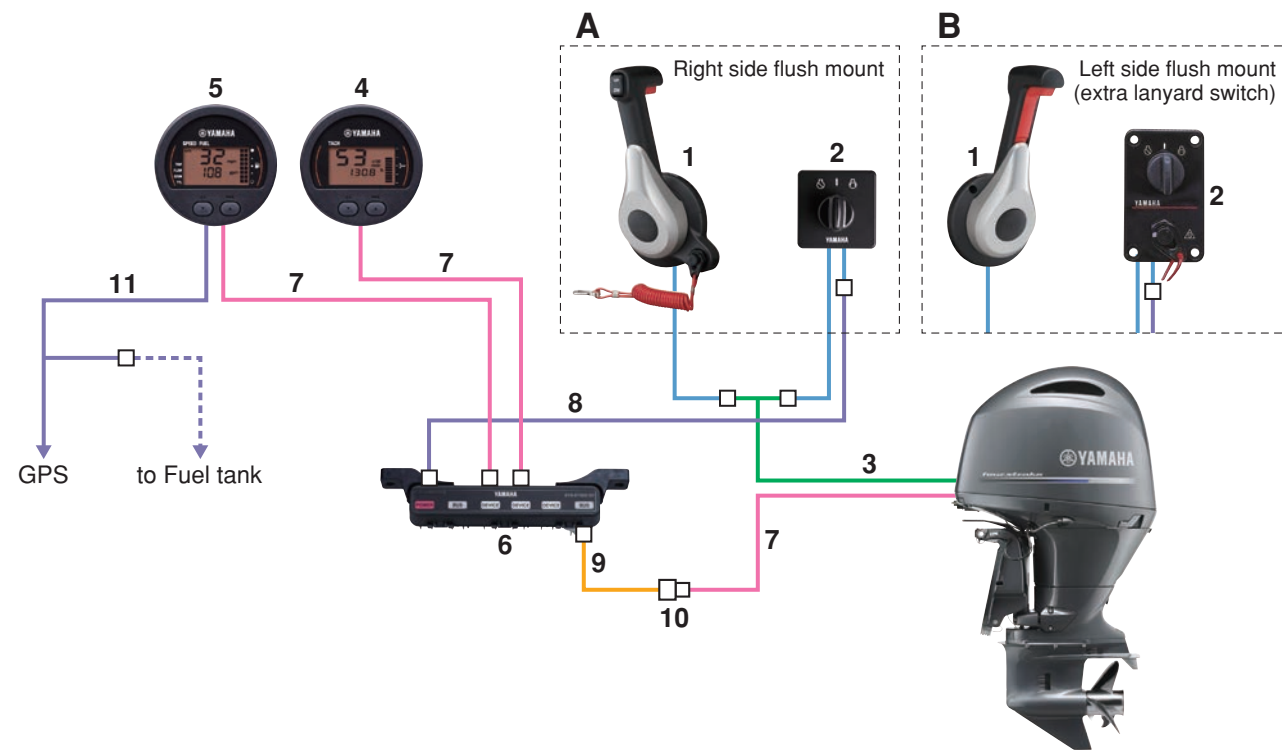
2) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11 *1	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41 *1	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

SINGLE ENGINE	6X3 Remote Control	6Y8 GAUGE	64D/6R5 SWITCH		SINGLE STATION
				STEERING	

Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
A	Remote Control Box & Main SW			
	1	6X3 single RC	1	Right side flush mount
	2	Main SW	1	Right side flush mount
B	Remote Control Box & Main SW			
	1	6X3 single RC	1	Left side flush mount (extra lanyard switch)
	2	Main SW	1	Left side flush mount (extra lanyard switch)
3	10-pin main harness	See list 1)	1	
	Gauge kit			
4	. Tachometer	6Y8-8350T-20	1	6Y8-8350T-20
5	. Speed and Fuel combination meter	—	—	6Y8-83500-20
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	. Pigtail bus wire	6Y8-82521-41	1	—
8	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
9	. Main bus wire	6Y8-82553-21	1	6Y8-82553-21
10	. Single-hub	6Y8-81920-11	1	6Y8-81920-11
11	. Fuel tank/ GPS wire	—	—	6Y8-8356N-01
	. Speed sensor Kit	—	—	60V-8A4L1-1A
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11

1) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

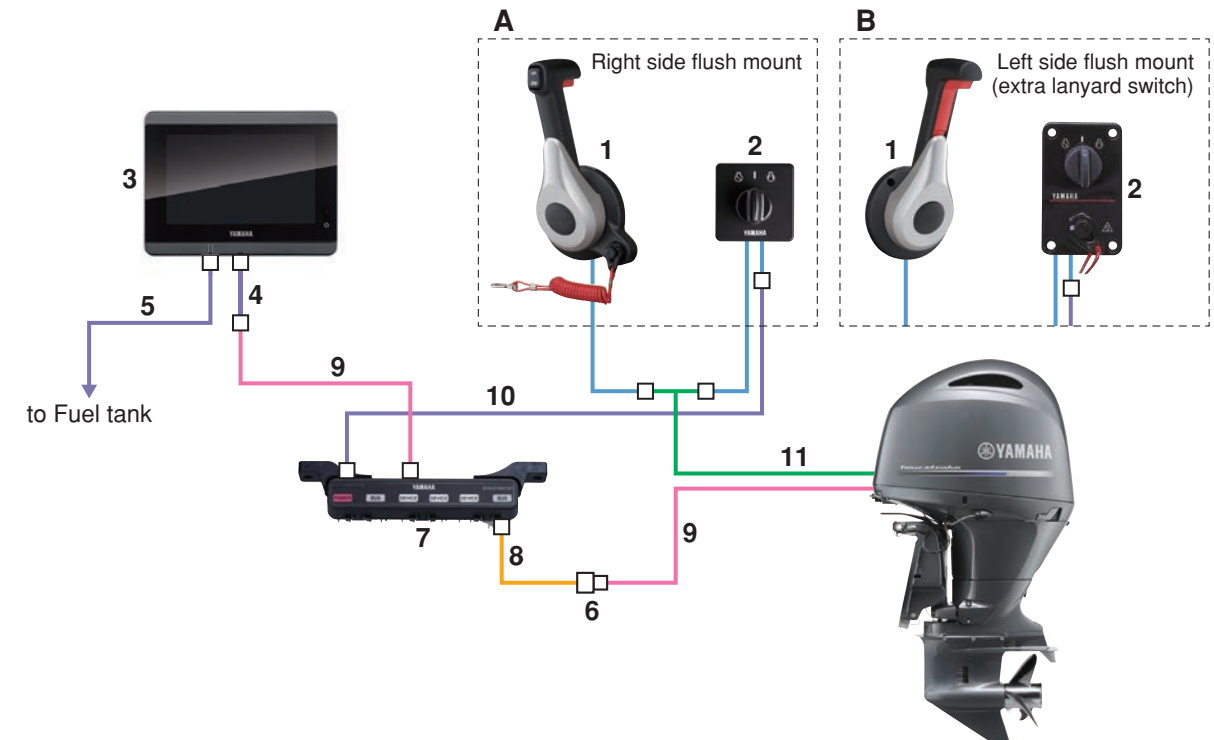
2) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21 *1	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11 *1	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41 *1	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

SINGLE ENGINE	6X3 Remote Control	CL5 DISPLAY	64D/6R5 SWITCH		SINGLE STATION
				STEERING	



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
A	Remote Control Box & Main SW			
	1	6X3 single RC	1	Right side flush mount
	2	Main SW	1	Right side flush mount
B	Remote Control Box & Main SW			
	1	6X3 single RC	1	Left side flush mount (extra lanyard switch)
	2	Main SW	1	Left side flush mount (extra lanyard switch)
	Gauge kit			
3	. CL5 display	6YM-762G0-30	1	6YM-762G0-20
4	. Conversion harness	6YM-83710-10	1	6YM-83710-10
5	. Fuel tank wire	6YM-83553-00	1	6YM-83553-00
6	. Single-hub	6YD-8356N-00	1	6YD-8356N-00
7	. Multi-hub	6Y8-81920-11	1	6Y8-81920-11
8	. Main bus wire	6Y8-81920-01	1	6Y8-81920-01
		—	—	6Y8-82553-21
		6Y8-82553-31	1	—
9	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
		—	—	6Y8-82521-31
		6Y8-82521-51	1	—
10	. System power supply wire	6Y8-82553-01	1	6Y8-82553-01
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
11	10-pin main harness	See list 1)	1	

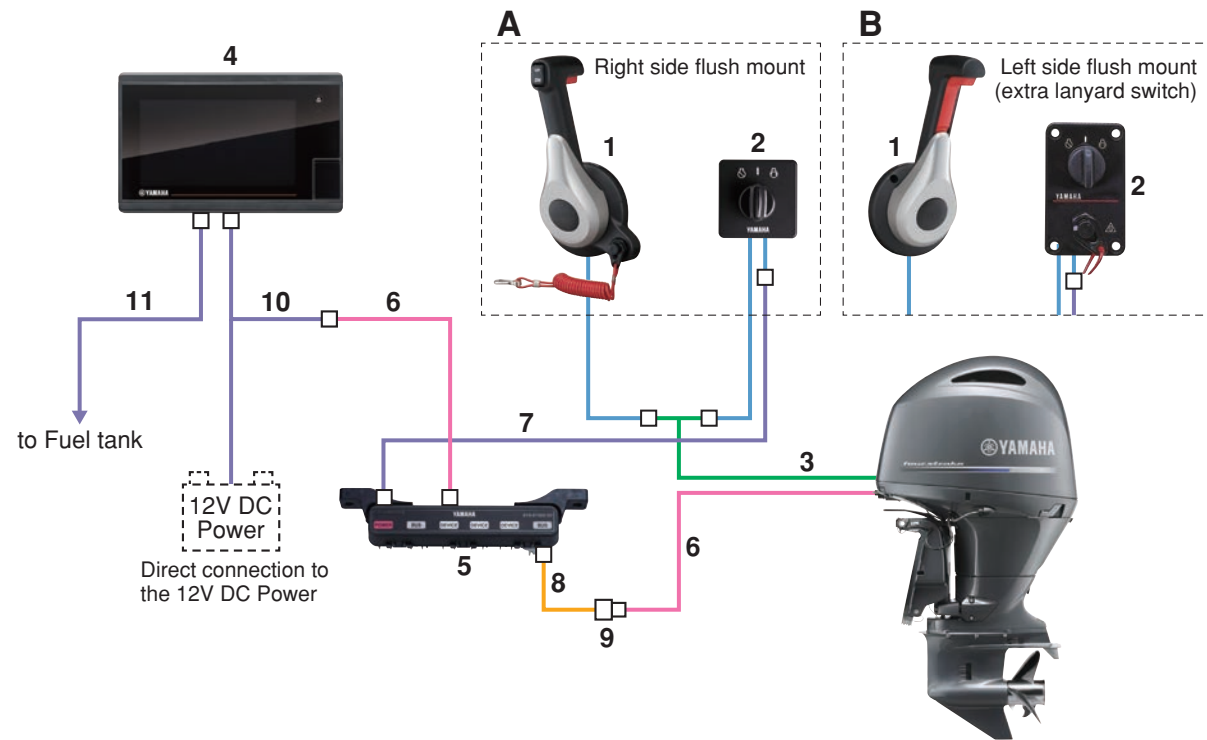
1) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

SINGLE ENGINE	6X3 Remote Control	CL7 DISPLAY	64D/6R5 SWITCH		SINGLE STATION
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Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
A	1 Remote Control Box & Main SW			
	1 6X3 single RC	6X3-48206-11	1	Right side flush mount
	2 Main SW	64D-82570-22	1	Right side flush mount
B	1 Remote Control Box & Main SW			
	1 6X3 single RC	6X3-48206-22	1	Left side flush mount (extra lanyard switch)
	2 Main SW	6R5-82570-07	1	Left side flush mount (extra lanyard switch)
3	10-pin main harness	See list 2)	1	
4	CL7 DISPLAY (6YD)	See list 1)	1	
	CL7 display setup kit	6YD-762A0-10	1	
5	. Multi-hub	6Y8-81920-01	1	With resistor cap, GRY
6	. Pigtail bus wire	6Y8-82521-01	1	
	. Pigtail bus wire	6Y8-82521-51	1	
7	. System power supply wire	6Y8-83553-01	1	
8	. Main bus wire	6Y8-82553-31	1	
9	. Single-hub	6Y8-81920-11	1	Ending resistor integrated
10	. Conversion harness	6YD-83553-00	1	
11	. Fuel tank wire	6YD-8356N-00	1	
	. 4-pin waterproof cap	6Y8-82582-11	2	White

1) CL7 Model Variation

Part number	Map	Wi-Fi	Remarks
6YD-83710-03	OP	STD	Wi-Fi model
6YD-83710-13	STD	STD	Wi-Fi model, US detailed map model
6YD-83710-23	OP	NA	

2) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

3) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31 *1	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

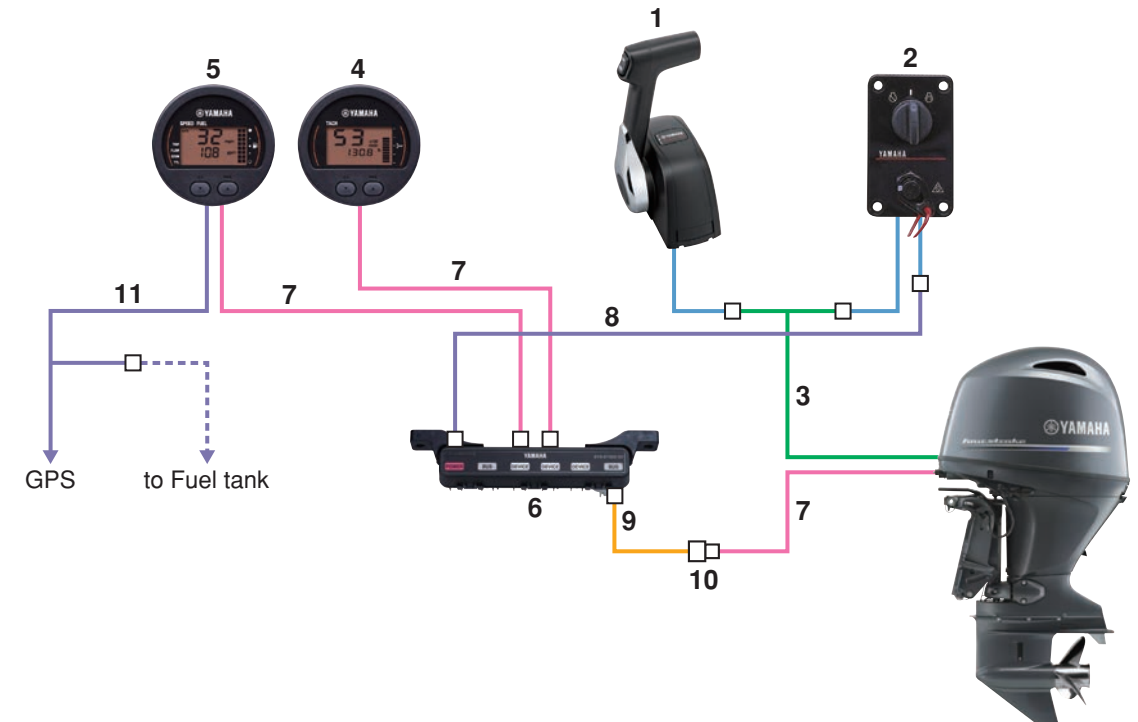
4) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01 *1	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51 *1	3.6 m (12 ft)

SINGLE ENGINE	704 Remote Control	6Y8 GAUGE	6R5 SWITCH		SINGLE STATION
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Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	704 single RC	704-48205-R0	1	
2	Single Main SW	6R5-82570-07	1	
3	10-pin main harness	See list 1)	1	
	Gauge kit	6YR-762G0-80	1	
4	. Tachometer	6Y8-8350T-20	1	6Y8-8350T-20
5	. Speed and Fuel combination meter	—	—	6Y8-83500-20
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	. Pigtail bus wire	6Y8-82521-41	1	—
7	. Pigtail bus wire	—	—	6Y8-82521-31
8	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
9	. Main bus wire	6Y8-82553-21	1	6Y8-82553-21
10	. Single-hub	6Y8-81920-11	1	6Y8-81920-11
11	. Fuel tank/ GPS wire	—	—	6Y8-8356N-01
	. Speed sensor Kit	—	—	60V-8A4L1-1A
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11

1) 10-pin main harness

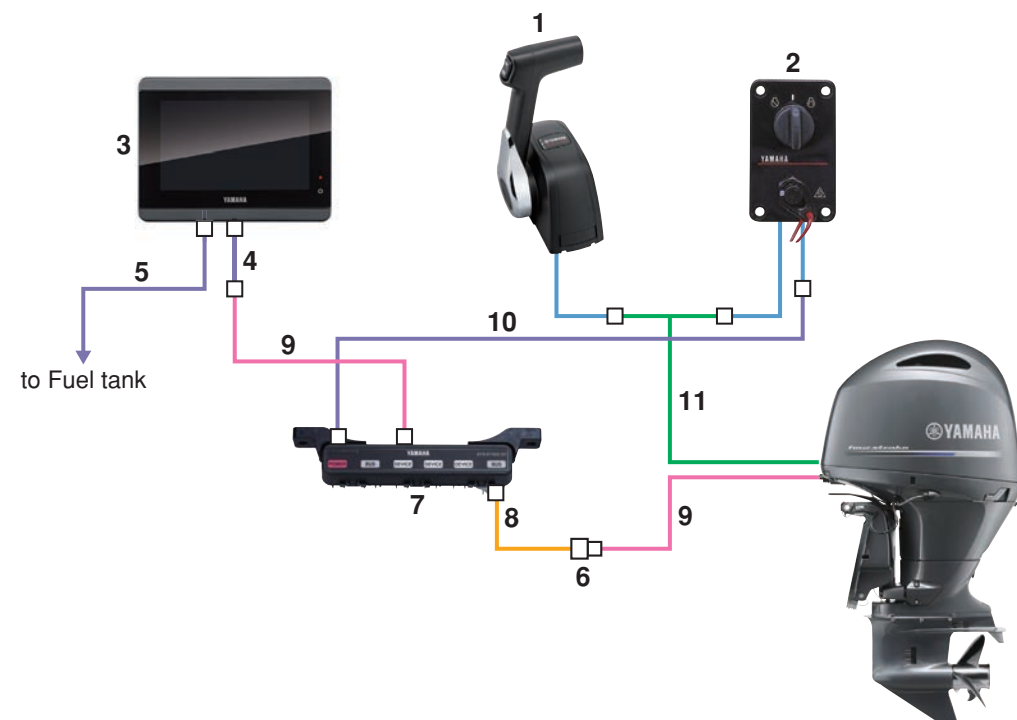
Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

2) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21 *1	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11 *1	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41 *1	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

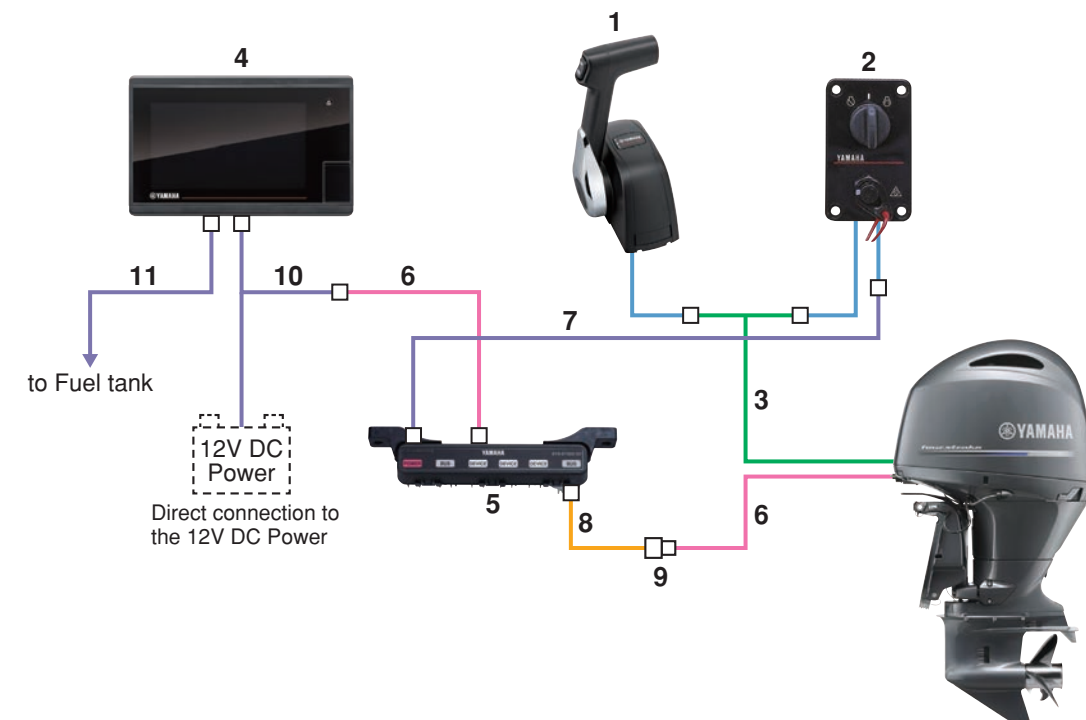
Ref. No.	Part name	Part number			Q'ty	Remarks
1	704 single RC	704-48205-R0			1	
2	Single main SW	6R5-82570-07			1	
	Gauge kit	6YM-762G0-30	1	6YM-762G0-20	1	
3	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
6	. Single-hub	6Y8-81920-11	1	6Y8-81920-11	1	
7	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
8	. Main bus wire	—	—	6Y8-82553-21	1	6.1 m (20 ft)
		6Y8-82553-31	1	—	—	7.6 m (25 ft)
9	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1	0.6 m (2 ft)
		—	—	6Y8-82521-31	1	1.8 m (6 ft)
		6Y8-82521-51	1	—	—	3.6 m (12 ft)
10	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
11	10-pin main harness	See list 1)			1	

1) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	704 single RC	704-48205-R0	1	
2	Single Main SW	6R5-82570-07	1	
3	10-pin main harness	See list 2)	1	
4	CL7 DISPLAY (6YD)	See list 1)	1	
	CL7 display setup kit	6YD-762A0-10	1	
5	. Multi-hub	6Y8-81920-01	1	With resistor cap, GRY
6	. Pigtail bus wire	6Y8-82521-01	1	
	. Pigtail bus wire	6Y8-82521-51	1	
7	. System power supply wire	6Y8-83553-01	1	
8	. Main bus wire	6Y8-82553-31	1	
9	. Single-hub	6Y8-81920-11	1	Ending resistor integrated
10	. Conversion harness	6YD-83553-00	1	
11	. Fuel tank wire	6YD-8356N-00	1	
	. 4-pin waterproof cap	6Y8-82582-11	2	White

1) CL7 Model Variation

Part number	Map	Wi-Fi	Remarks
6YD-83710-03	OP	STD	Wi-Fi model
6YD-83710-13	STD	STD	Wi-Fi model, US detailed map model
6YD-83710-23	OP	NA	

2) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

3) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31 *1	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

4) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01 *1	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51 *1	3.6 m (12 ft)

TWIN
ENGINE

704
Remote Control

6Y5
GAUGE

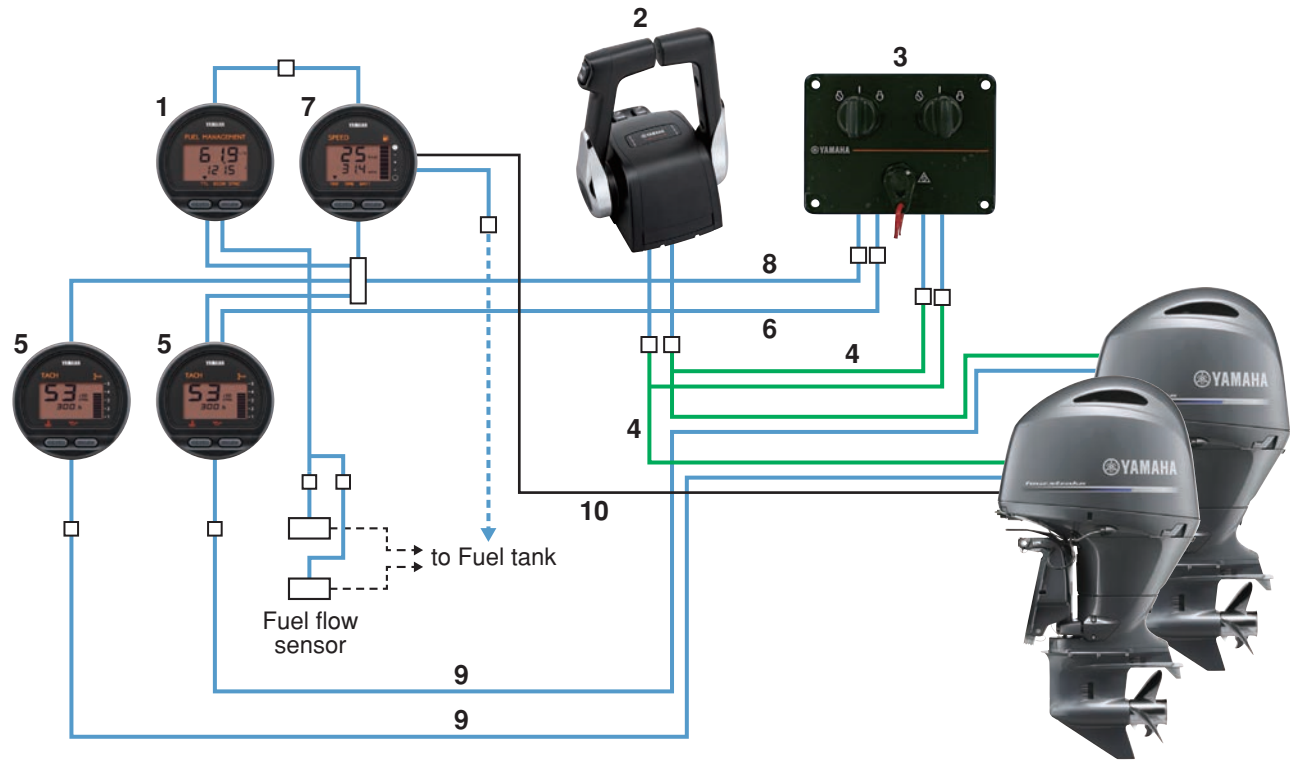
6K1
SWITCH

STEERING

SINGLE
STATION

Compatible outboard motors

2 stroke & 4 stroke, mechanical remote control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
	Gauge kit	6YR-762R0-11	1	
1	. Fuel management meter	6Y5-8350F-B0	1	With 3-prong connector
2	. 704 twin RC	704-48207-R1	1	
3	. Twin SW panel	6K1-82570-13	1	For twin engine installation
4	. 10-pin main harness	6K1-8258A-40	1	
	. 10-pin main harness	61B-8258A-01	1	
5	. Tachometer	6Y5-8350T-E0	1	Includes instruction tag
6	. Meter harness	6Y5-83553-F1	1	8 m (26 ft)
9	. Trim and oil lead	6Y5-83653-40	1	9 m (29 ft)
	. Meter harness	6Y5-83553-20	1	2.5 m (8 ft) with 10 amp twin-fuse (for single engine with tachometer or twin engine counter rotation)
	Gauge kit	6YR-762G0-30	1	
5	. Tachometer	6Y5-8350T-E0	1	
7	. Speedometer	6Y5-83570-A0	1	
8	. Meter harness	6Y5-83553-N0	1	2.5 m (8 ft) with 10 amp twin-fuse (for single engine with tachometer + speedometer or twin engine regular rotation)
9	. Trim and oil lead	6Y5-83653-30	1	8 m (26 ft)
10	. Speedometer tube	6Y5-83557-10	1	8 m (26 ft)

1) 10-pin main harness *1 : Included in the kit.

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40 *1	8 m (26 ft)
61B-8258A-01 *1	9.5 m (31 ft)

TWIN
ENGINE

704
Remote Control

6Y8
GAUGE

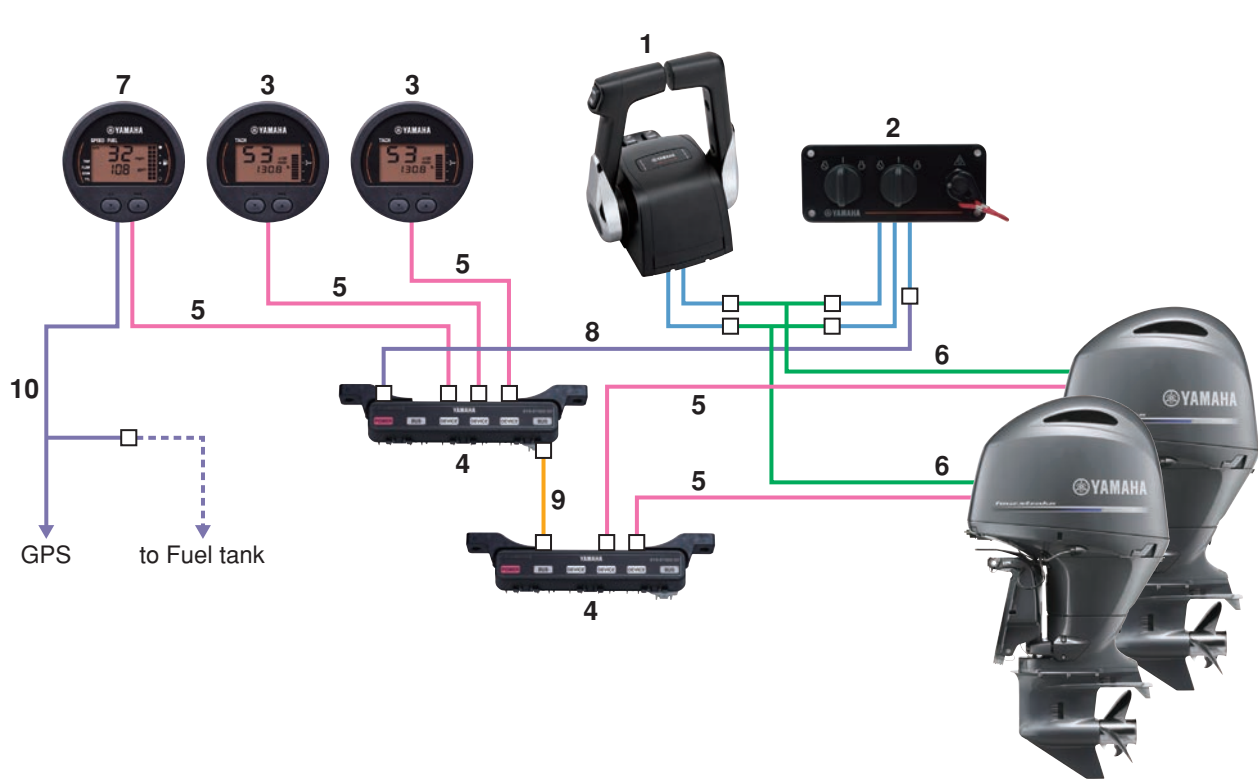
6Y8
SWITCH

STEERING

SINGLE
STATION

Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	704 twin RC	704-48207-R1	1	
2	Twin Main SW	6Y8-82570-04	1	
3	Tachometer	6Y8-8350T-20	1	
4	Multi-hub	6Y8-81920-01	1	With resistor cap, GRY
5	Pigtail bus wire	See list 3)	2	
6	10-pin main harness	See list 1)	2	
	Gauge kit	6YR-762G0-40	1	6YR-762G0-90
3	. Tachometer	6Y8-8350T-20	1	6Y8-8350T-20
7	. Speed and Fuel combination meter	6Y8-83500-20	1	6Y8-83500-20
4	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
5	. Pigtail bus wire	6Y8-82521-11	2	6Y8-82521-11
	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
8	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
9	. Main bus wire	6Y8-82553-21	1	6Y8-82553-21
10	. Fuel tank/ GPS wire	6Y8-8356N-01	1	6Y8-8356N-01
	. Single-hub	6Y8-81920-11	1	6Y8-81920-11
	. Speed sensor Kit	60V-8A4L1-1A	1	—
	. 4-pin waterproof cap	6Y8-82582-11	1	6Y8-82582-11

1) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

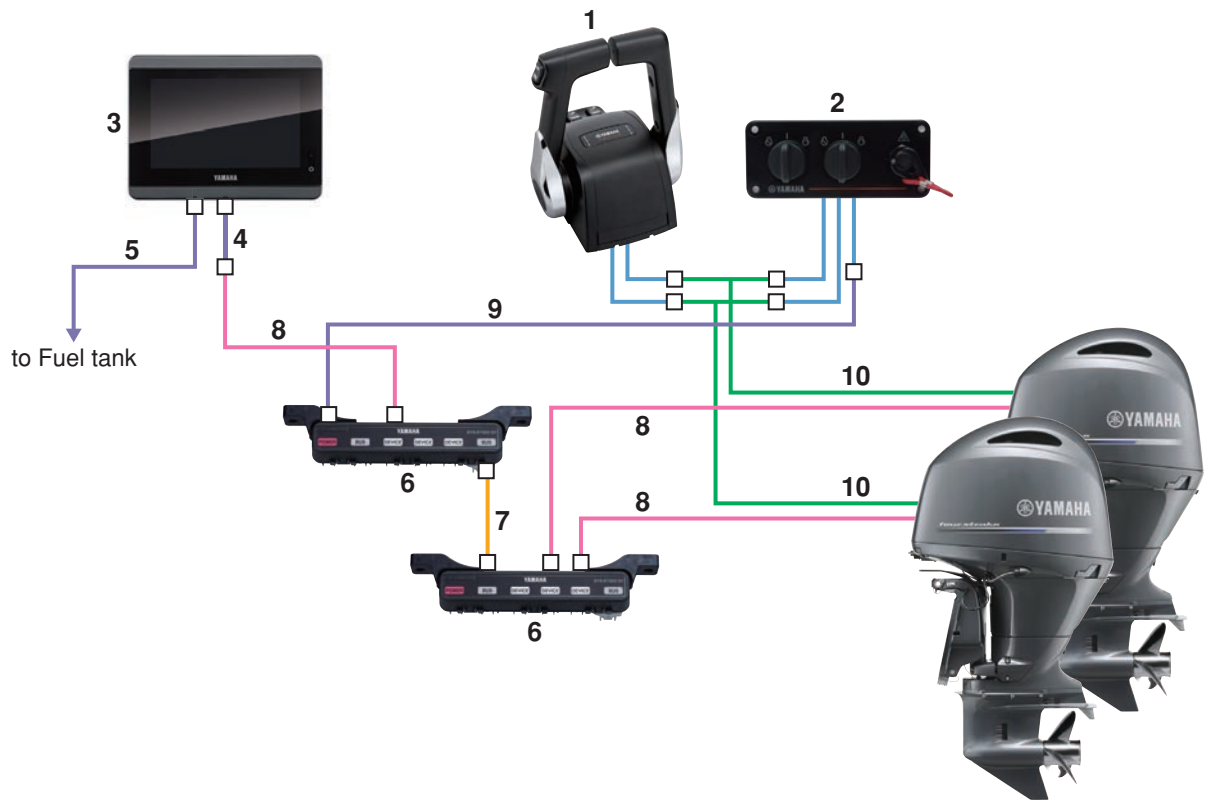
2) Main bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21 *1	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11 *1	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

TWIN ENGINE	704 Remote Control	CL5 DISPLAY	6Y8 SWITCH	STEERING	SINGLE STATION
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Parts order list for basic installation:

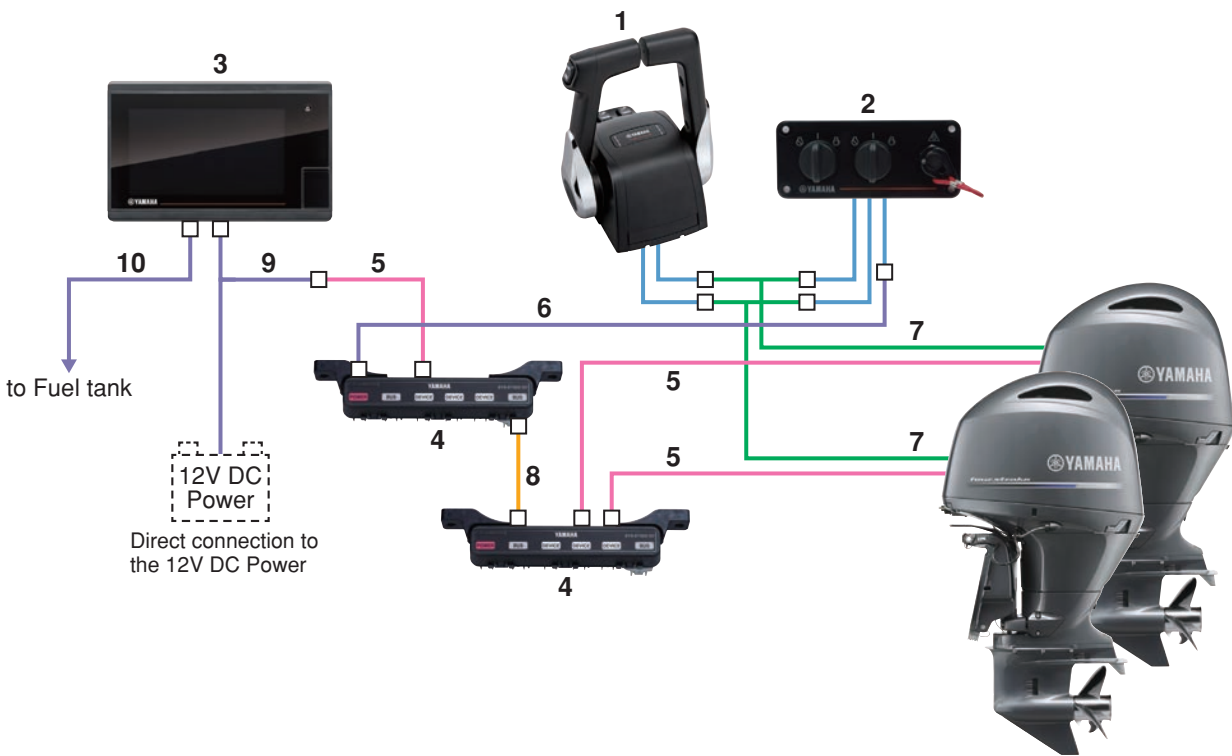
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
	Remote Control kit	6YM-762R0-10	1	6YM-762R0-00
1	. 704 twin RC	704-48207-R1	1	704-48207-R1
2	. Twin main SW	6Y8-82570-04	1	6Y8-82570-04
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	2	6Y8-81920-01
7	. Main bus wire	6Y8-82553-31	1	6Y8-82553-31
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
		6Y8-82521-31	1	6Y8-82521-31
		6Y8-82521-41	1	6Y8-82521-41
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. 10-pin main harness	6K1-8258A-40	1	6K1-8258A-40
		61B-8258A-01	1	61B-8258A-01
	. 4-pin waterproof cap	6Y8-82582-11	3	6Y8-82582-11
	. 2-pin waterproof cap	6Y8-82582-01	1	6Y8-82582-01
	. Speed sensor kit	60V-8A4L1-1A	1	—

TWIN ENGINE	704 Remote Control	CL7 DISPLAY	6Y8 SWITCH	STEERING	SINGLE STATION
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Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
3	CL7 DISPLAY (6YD)	See list 1)	1	
	Remote Control kit	6YD-762R0-00	1	
1	. 704 twin RC	704-48207-R1	1	
2	. Twin Main SW	6Y8-82570-04	1	
4	. Multi-hub	6Y8-81920-01	2	With resistor cap, GRY
5	. Pigtail bus wire	6Y8-82521-01	1	
		6Y8-82521-31	1	
		6Y8-82521-41	1	
6	. System power supply wire	6Y8-83553-01	1	
7	. 10-pin main harness	6K1-8258A-40	1	
		61B-8258A-01	1	
8	. Main bus wire	6Y8-82553-31	1	
9	. Conversion harness	6YD-83553-00	1	
10	. Fuel tank wire	6YD-8356N-00	1	
	. 2-pin waterproof cap	6Y8-82582-01	1	Red
	. 4-pin waterproof cap	6Y8-82582-11	3	White

1) CL7 Model Variation

Part number	Map	Wi-Fi	Remarks
6YD-83710-03	OP	STD	Wi-Fi model
6YD-83710-13	STD	STD	Wi-Fi model, US detailed map model
6YD-83710-23	OP	NA	

2) 10-pin main harness *1 : Included in the kit.

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40 *1	8 m (26 ft)
61B-8258A-01 *1	9.5 m (31 ft)

3) Main bus wire *1 : Included in the kit.

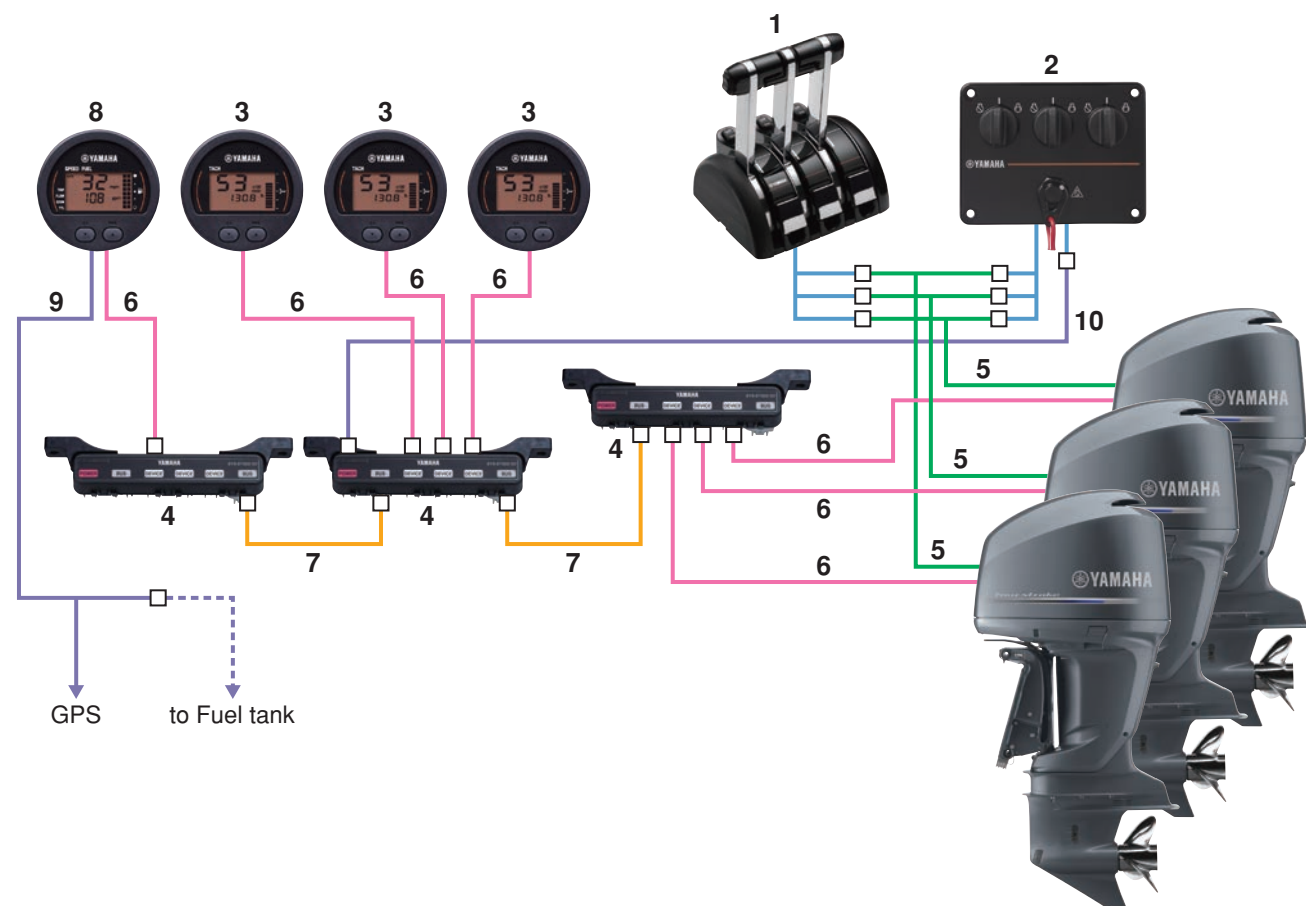
Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31 *1	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

4) Pigtail bus wire *1 : Included in the kit.

Part number	Remarks
6Y8-82521-01 *1	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41 *1	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

Compatible outboard motors

4 stroke, Fuel Injection (FI), Mechanical Remote Control models. Please refer to page 6 for further detail.



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X5 triple RC	6X5-48207-02	1	
2	Main SW	6X5-82570-02	1	
3	Tachometer	6Y8-8350T-20	2	
4	Multi-hub	6Y8-81920-01	2	With resistor cap, GRY
5	10-pin main harness	See list 1)	3	
6	Pigtail bus wire	See list 3)	4	
7	Main bus wire	See list 2)	1	
	Gauge kit	6YR-762G0-40	1	
3	. Tachometer	6Y8-8350T-20	1	
4	. Multi-hub	6Y8-81920-01	1	With resistor cap, GRY
6	. Pigtail bus wire	6Y8-82521-11	2	
	. Pigtail bus wire	6Y8-82521-31	1	
7	. Main bus wire	6Y8-82553-21	1	
8	. Speed and Fuel combination meter	6Y8-83500-20	1	
9	. Fuel tank/ GPS wire	6Y8-8356N-01	1	0.3 m (1 ft), NMEA0183
10	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. Single-hub	6Y8-81920-11	1	Ending resistor integrated
	. Speed sensor Kit	60V-8A4L1-1A	1	
	. 4-pin waterproof cap	6Y8-82582-11	1	White

1) 10-pin main harness

Part number	Remarks
688-8258A-50	5 m (16 ft)
688-8258A-60	6 m (20 ft)
688-8258A-70	7 m (23 ft)
6K1-8258A-40	8 m (26 ft)
61B-8258A-01	9.5 m (31 ft)

2) Main bus wire *1 : Included in the kit.

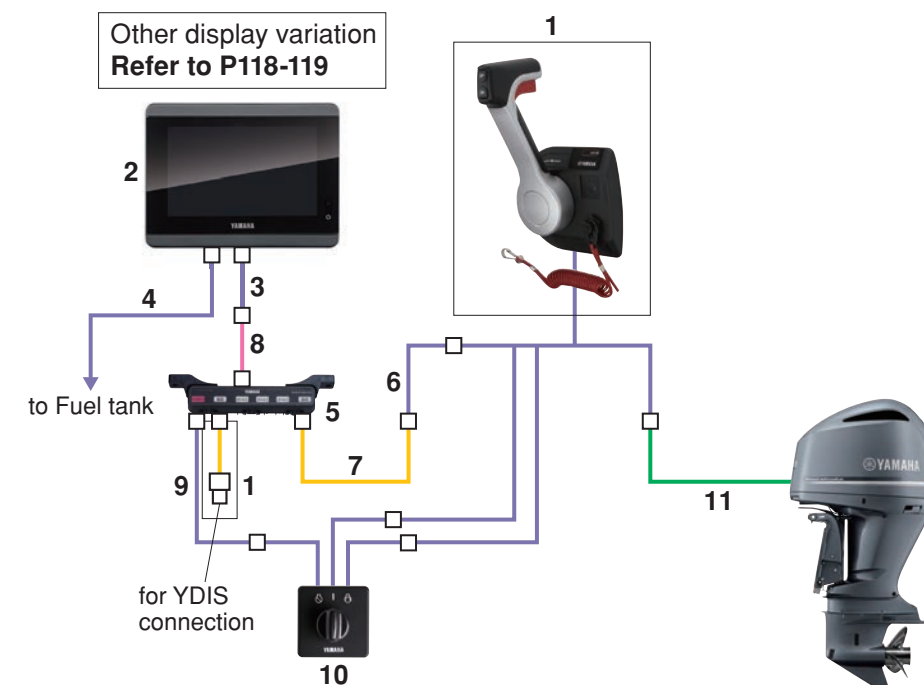
*1 : Included in the kit.

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21 *1	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire *1 : Included in the kit.

*1 : Included in the kit.

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11 *1	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31 *1	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)



Parts order list for basic installation:

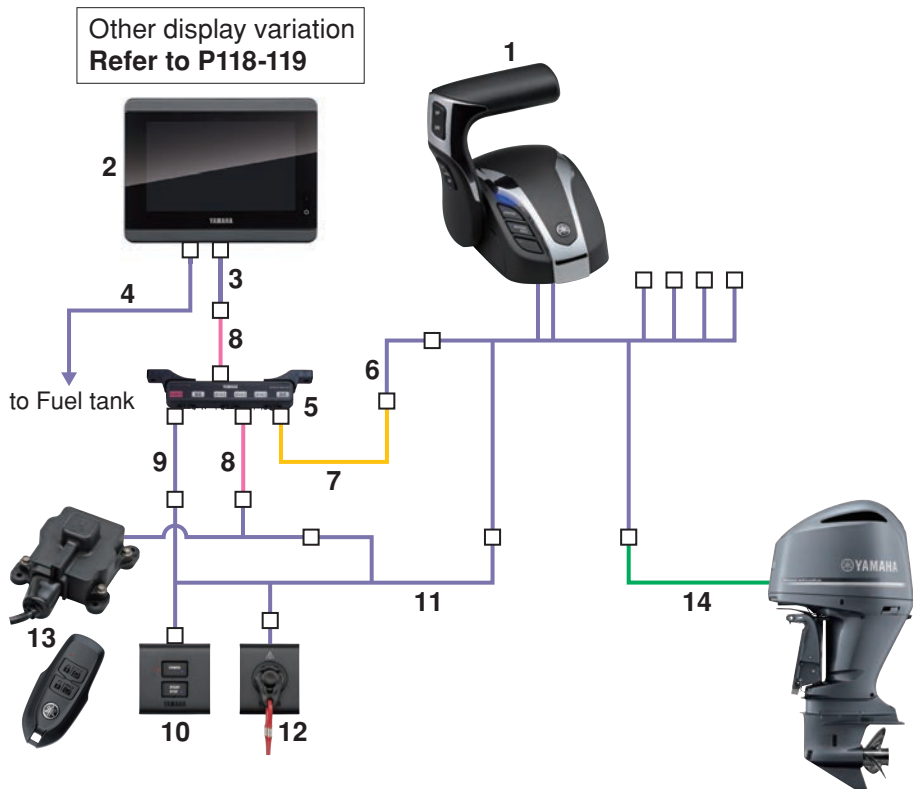
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number			Q'ty	Remarks
1	6X7 single DEC	6X7-48206-21			1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1	
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
10	Main SW	64D-82570-22			1	
11	Main-harness (16P)	See list 1)			1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

- SINGLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- EKS
SWITCH
- DES
STEERING
- SINGLE
STATION



Parts order list for basic installation:

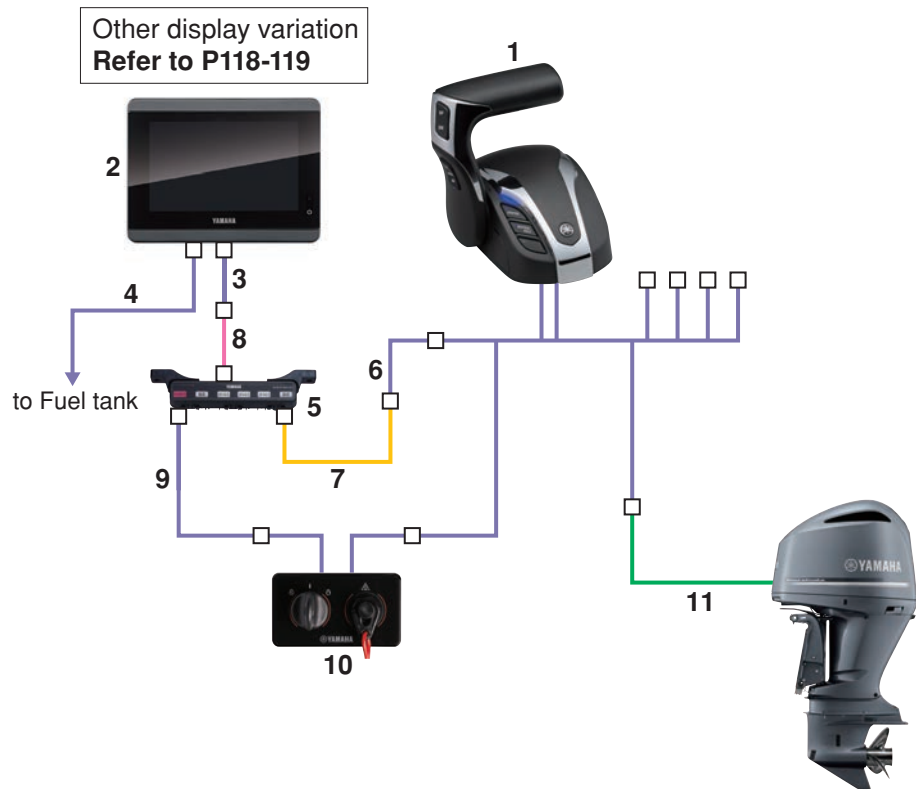
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1 No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1 0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1 DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1 0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1 1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1 With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2 White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	EKS kit	6X9-762B0-01	1	6X9-762B0-41	1
10	. Power SW	6X9-82570-00	1	6X9-82570-00	1
11	. EKS harness	6X9-82716-21	1	6X9-82716-21	1 DEC to SW panel
12	. Emergency stop SW	6X9-82570-70	1	6X9-82570-70	1
13	. Key fob and receiver assy	6X9-86254-00	1	—	— Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1 Radio frequency 315 MHz, Key fob: 2 pcs.
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1 0.6 m (2 ft)
14	Main-harness (16P)	See list 1)		1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

- SINGLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- SINGLE
STATION



Parts order list for basic installation:

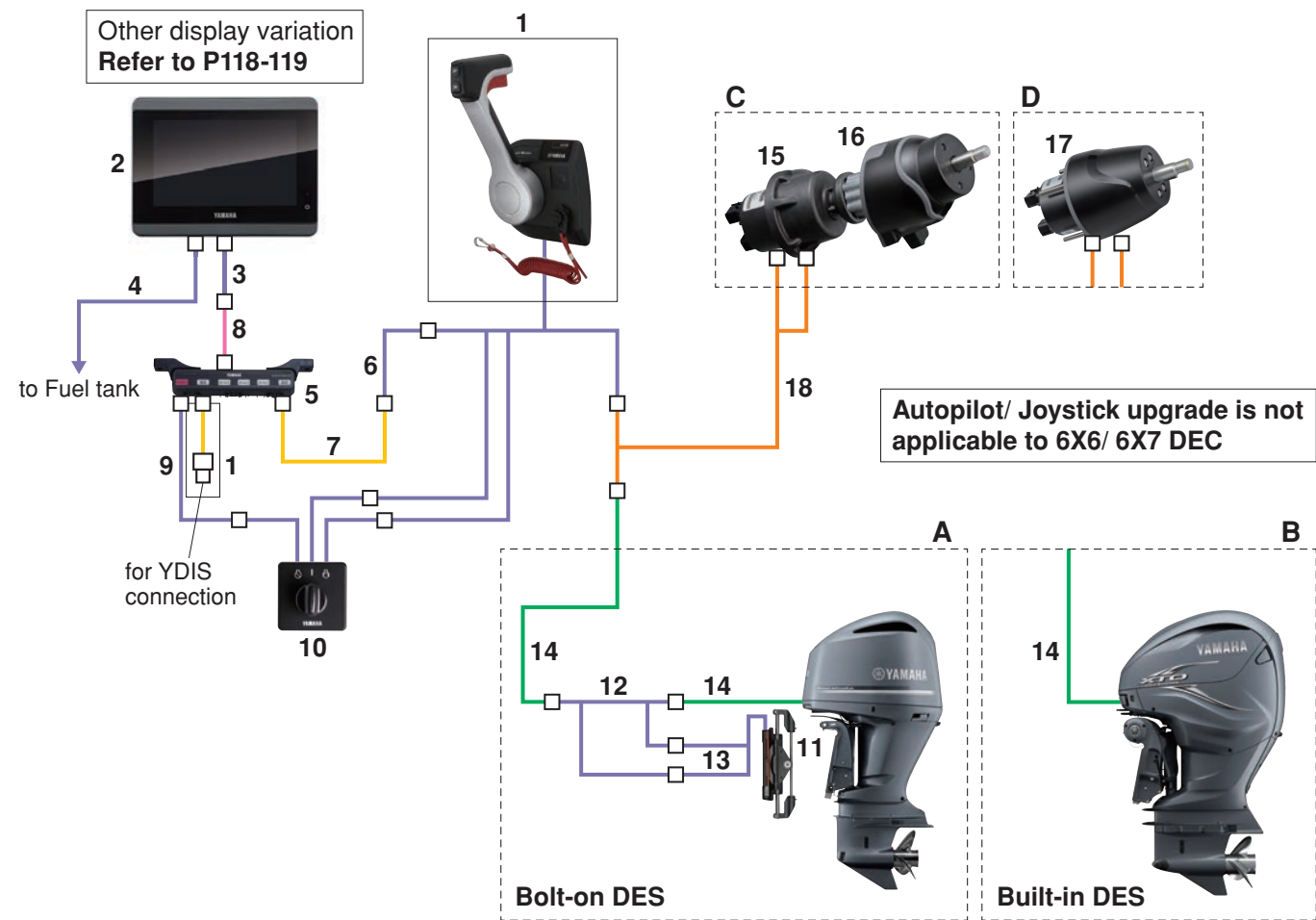
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1 No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1 0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1 DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1 0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1 1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1 With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2 White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
10	Main SW	6X6-82570-33		1	
11	Main-harness (16P)	See list 1)		1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

- SINGLE
ENGINE
- 6X7
DEC FM
- CL5
DISPLAY
- 64D
SWITCH
- DES
STEERING
- SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X7 single DEC	6X7-48206-21	1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
2	. CL5 display	6YM-83710-10	1	6YM-83710-10
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
10	Main SW	64D-82570-22	1	
	Steering kit	6X9-762S0-00	1	
A	11 Bolt-on steering actuator	6X9-42401-00	1	
	12 Split harness	6X9-8258A-90	1	SCU to 16-pin
	13 Steering actuator harness	See list 3)	1	
	14 Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
C	Helm and tilt kit	6GR-762H0-00	1	
	15 Helm unit assy	6GR-615A0-00	1	
	16 Tilt helm unit	6GR-6154A-00	1	
D	17 Helm unit assy	6X9-762H0-00	1	
	18 Helm harness (Main/ Single)	See list 2)	1	
	14 Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

3) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

SINGLE
ENGINE

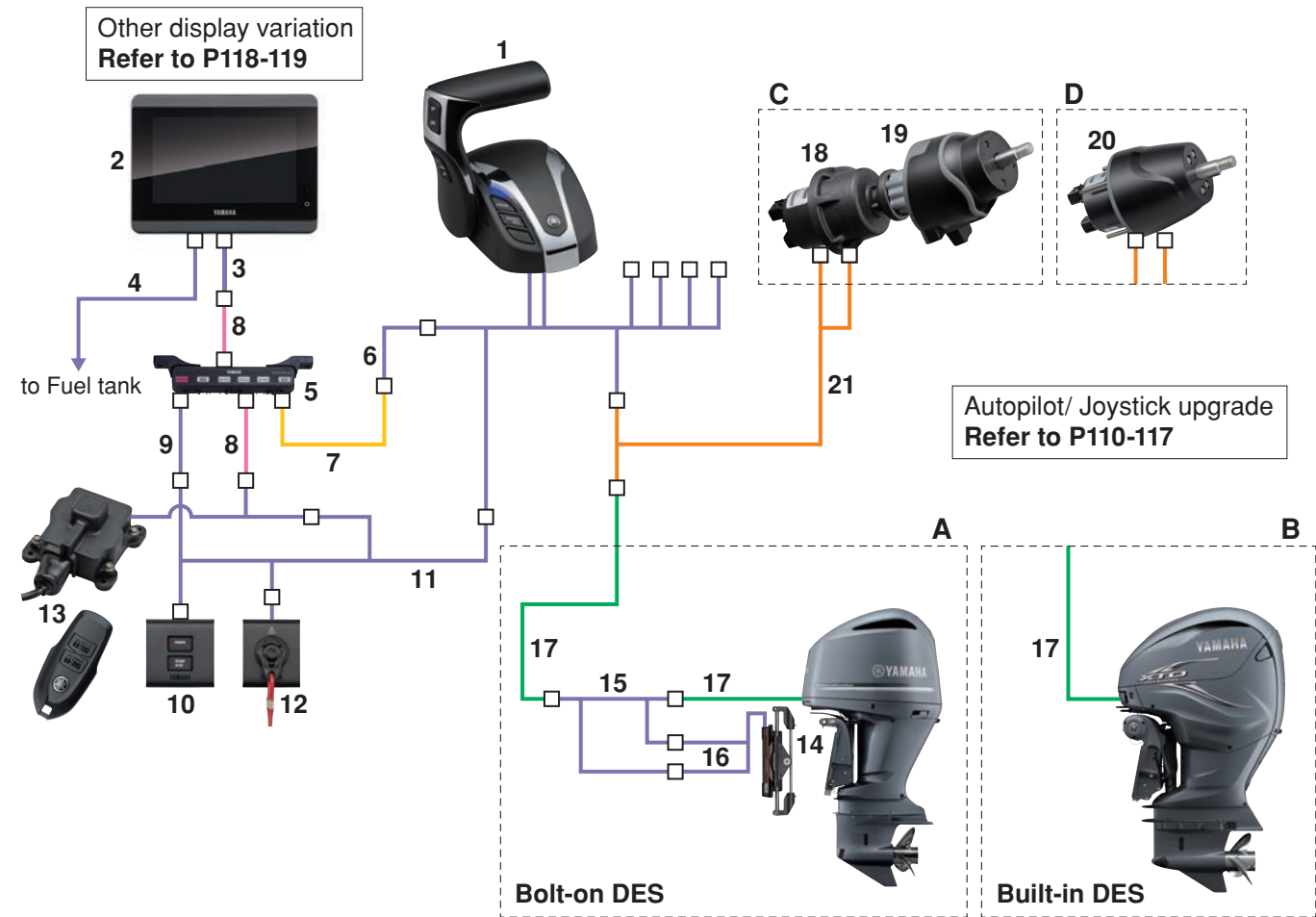
6X9
DEC TM

CL5
DISPLAY

EKS
SWITCH

DES
STEERING

SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00	1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
2	. CL5 display	6YM-83710-10	1	6YM-83710-10
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
	EKS kit	6X9-762B0-01	1	6X9-762B0-41
10	. Power SW	6X9-82570-00	1	6X9-82570-00
11	. EKS harness	6X9-82716-21	1	6X9-82716-21
12	. Emergency stop SW	6X9-82570-70	1	6X9-82570-70
13	. Key fob and receiver assy	6X9-86254-00	1	—
		—	—	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	Steering kit	6X9-762S0-00	1	
	. Bolt-on steering actuator	6X9-42401-00	1	
A	. Split harness	6X9-8258A-90	1	SCU to 16-pin
	Steering actuator harness	See list 3)	1	
	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1	
C	. Helm unit assy	6GR-615A0-00	1	
	. Tilt helm unit	6GR-6154A-00	1	
D	. Helm unit assy	6X9-762H0-00	1	
21	Helm harness (Main/ Single)	See list 2)	1	
17	Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

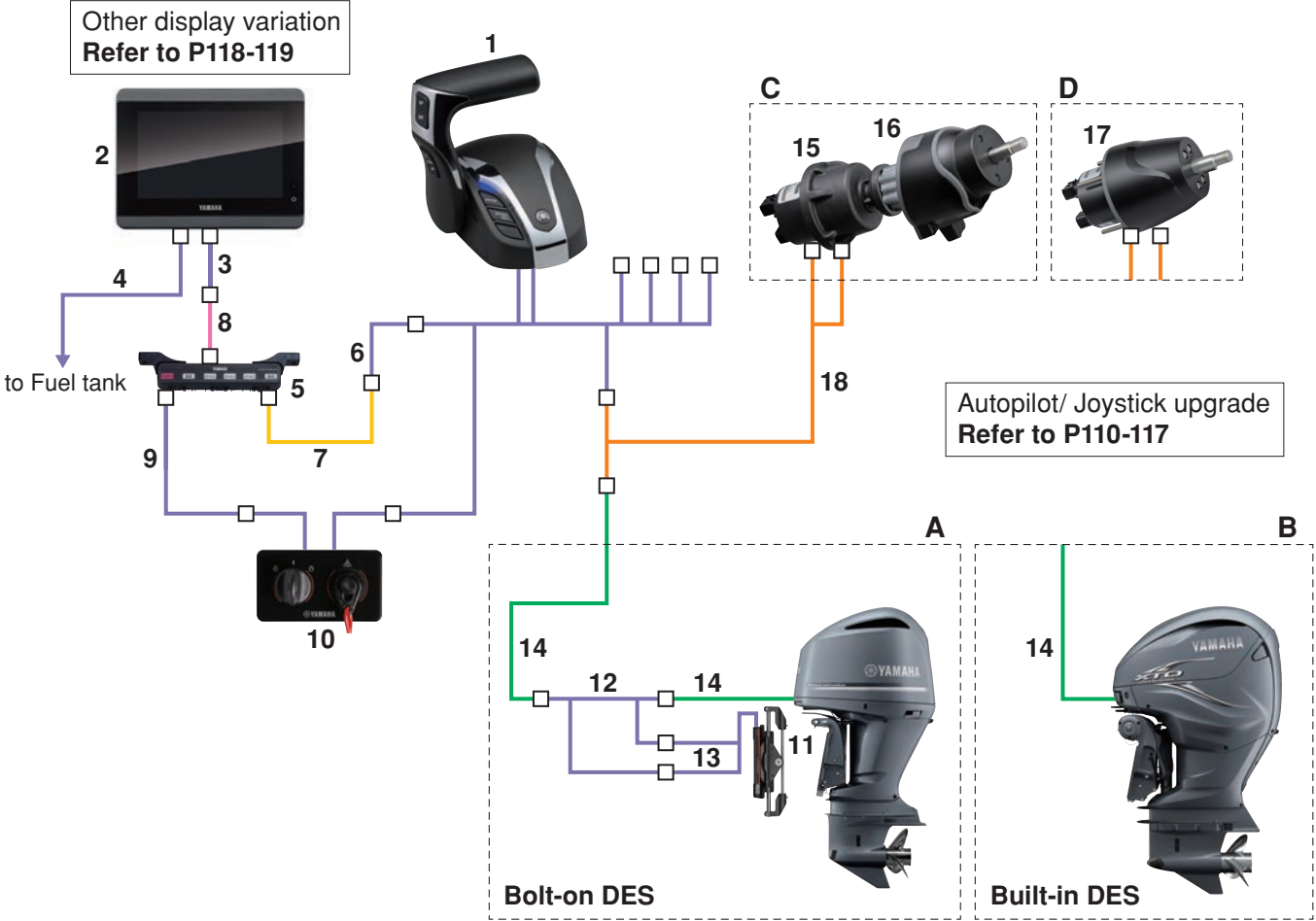
2) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

3) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

- SINGLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
10	Main SW	6X6-82570-33	1		
	Steering kit	6X9-762S0-00	1		
A	11	. Bolt-on steering actuator	6X9-42401-00	1	
	12	. Split harness	6X9-8258A-90	1	SCU to 16-pin
	13	Steering actuator harness	See list 3)	1	
	14	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
C		Helm and tilt kit	6GR-762H0-00	1	
	15	. Helm unit assy	6GR-615A0-00	1	
	16	. Tilt helm unit	6GR-6154A-00	1	
D	17	Helm unit assy	6X9-762H0-00	1	
	18	Helm harness (Main/ Single)	See list 2)	1	
	14	Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

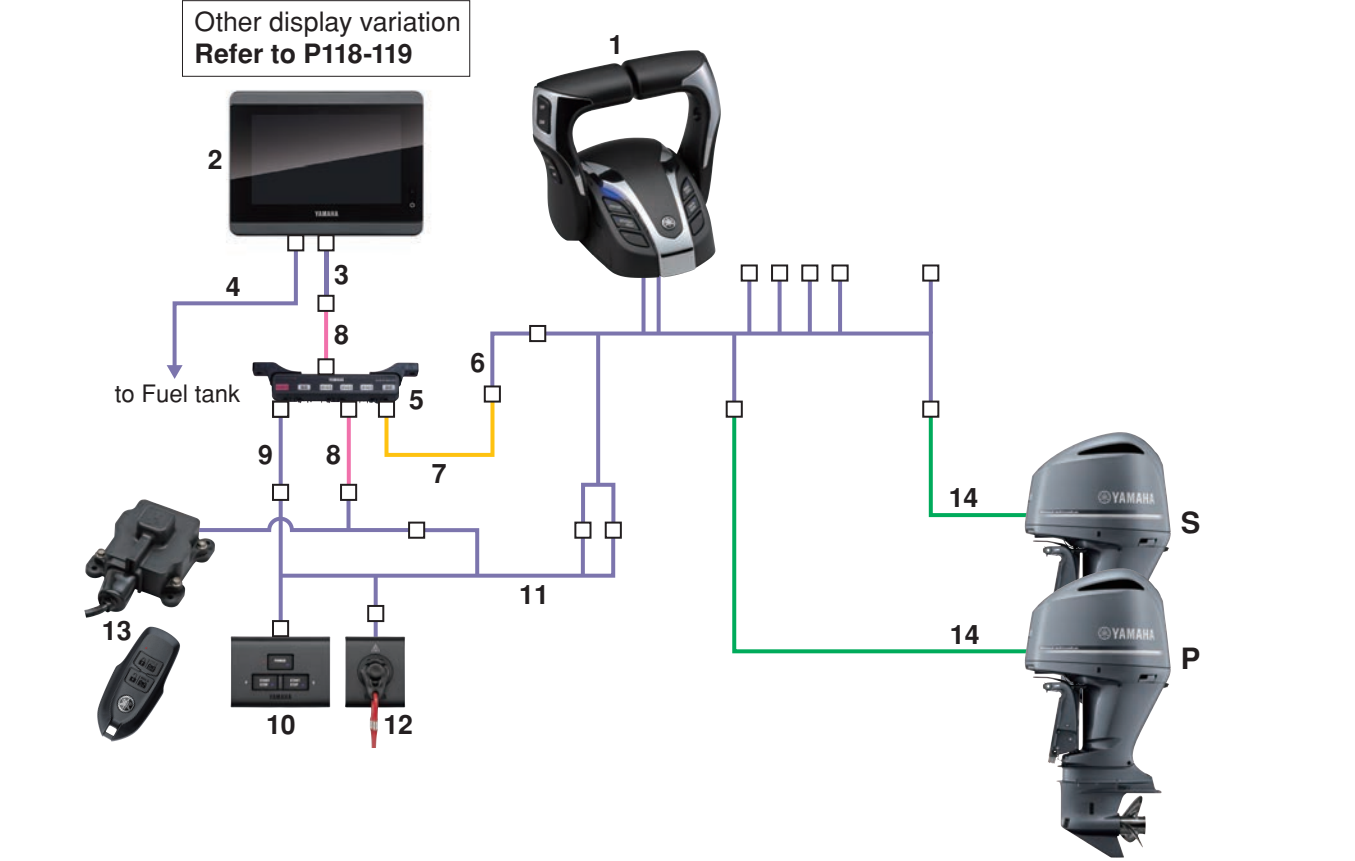
2) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

3) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

- TWINENGINE
- 6X9DEC TM
- CL5DISPLAY
- EKSSWITCH
- DESSTEERING
- SINGLESTATION



Parts order list for basic installation:

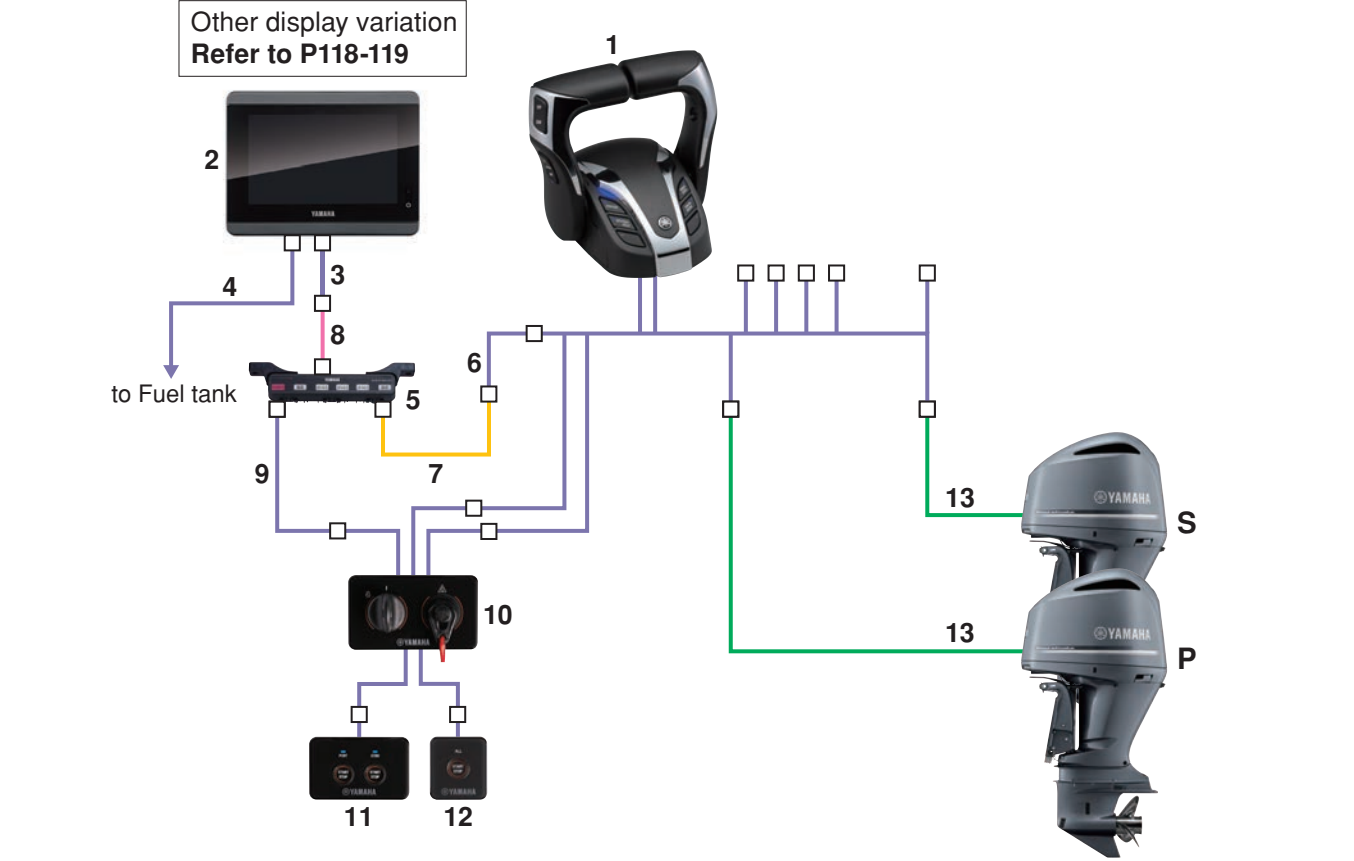
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1 No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1 0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1 DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1 0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1 1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1 With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2 White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	EKS kit	6X9-762B0-11	1	6X9-762B0-51	1
10	. Power SW	6X9-82570-10	1	6X9-82570-10	1
11	. EKS harness	6X9-82716-31	1	6X9-82716-31	1 DEC to SW panel
12	. Emergency stop SW	6X9-82570-80	1	6X9-82570-80	1
13	. Key fob and receiver assy	6X9-86254-00	1	—	1 Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1 Radio frequency 315 MHz, Key fob: 2 pcs.
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1 0.6 m (2 ft)
14	Main-harness (16P)	See list 1)		2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

- TWINENGINE
- 6X9DEC TM
- CL5DISPLAY
- 6X6SWITCH
- DESSTEERING
- SINGLESTATION



Parts order list for basic installation:

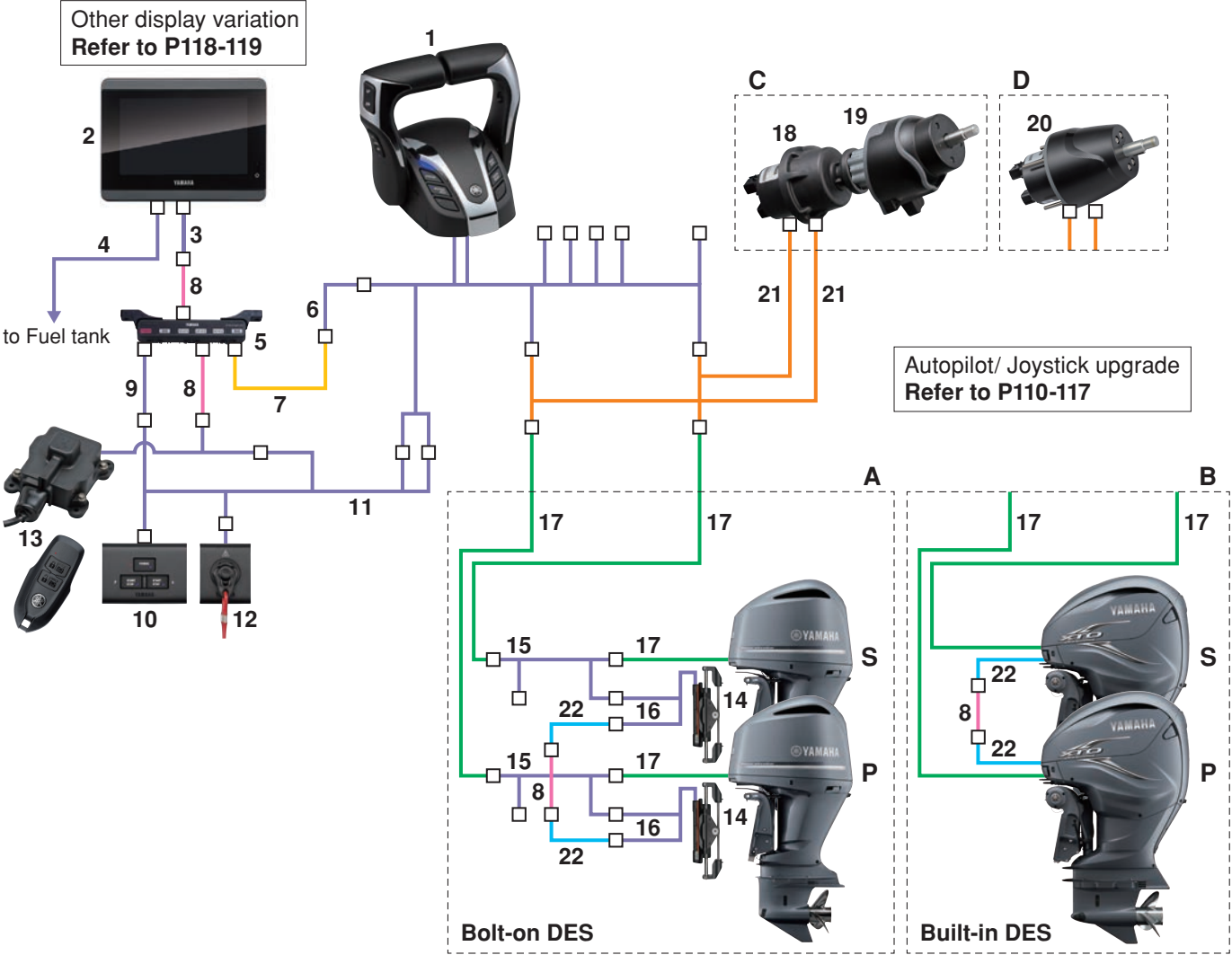
NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1 No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1 0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1 DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1 0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1 1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1 With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2 White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	SW kit	6X6-762B0-00		1	
10	. Main SW	6X6-82570-40		1	
11	. Twin start/ stop SW	6X6-82570-60		1	
12	All start/ stop SW	6X6-82570-D0		1	
13	Main-harness (16P)	See list 1)		2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

- TWIN
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- EKS
SWITCH
- DES
STEERING
- SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	EKS kit	6X9-762B0-11	1	6X9-762B0-51	1
10	. Power SW	6X9-82570-10	1	6X9-82570-10	1
11	. EKS harness	6X9-82716-31	1	6X9-82716-31	1
12	. Emergency stop SW	6X9-82570-80	1	6X9-82570-80	1
13	. Key fob and receiver assy	6X9-86254-00	1	—	Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1
	Steering kit	6X9-762S0-00	2		
	. Bolt-on steering actuator	6X9-42401-00	1		
A	. Split harness	6X9-8258A-90	1		SCU to 16-pin
	. Steering actuator harness	See list 5)	2		
	Main-harness (16P)	See list 1)	2		Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1		
C	. Helm unit assy	6GR-615A0-00	1		
	. Tilt helm unit	6GR-6154A-00	1		
D	. Helm unit assy	6X9-762H0-00	1		
21	Helm harness (Main/ Multi)	See list 4)	2		
8	Pigtail bus wire	See list 2)	1		
22	SCU link harness (Port/ Stbd)	See list 3)	2		
17	Main-harness (16P)	See list 1)	2		

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

4) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

5) Steering actuator harness

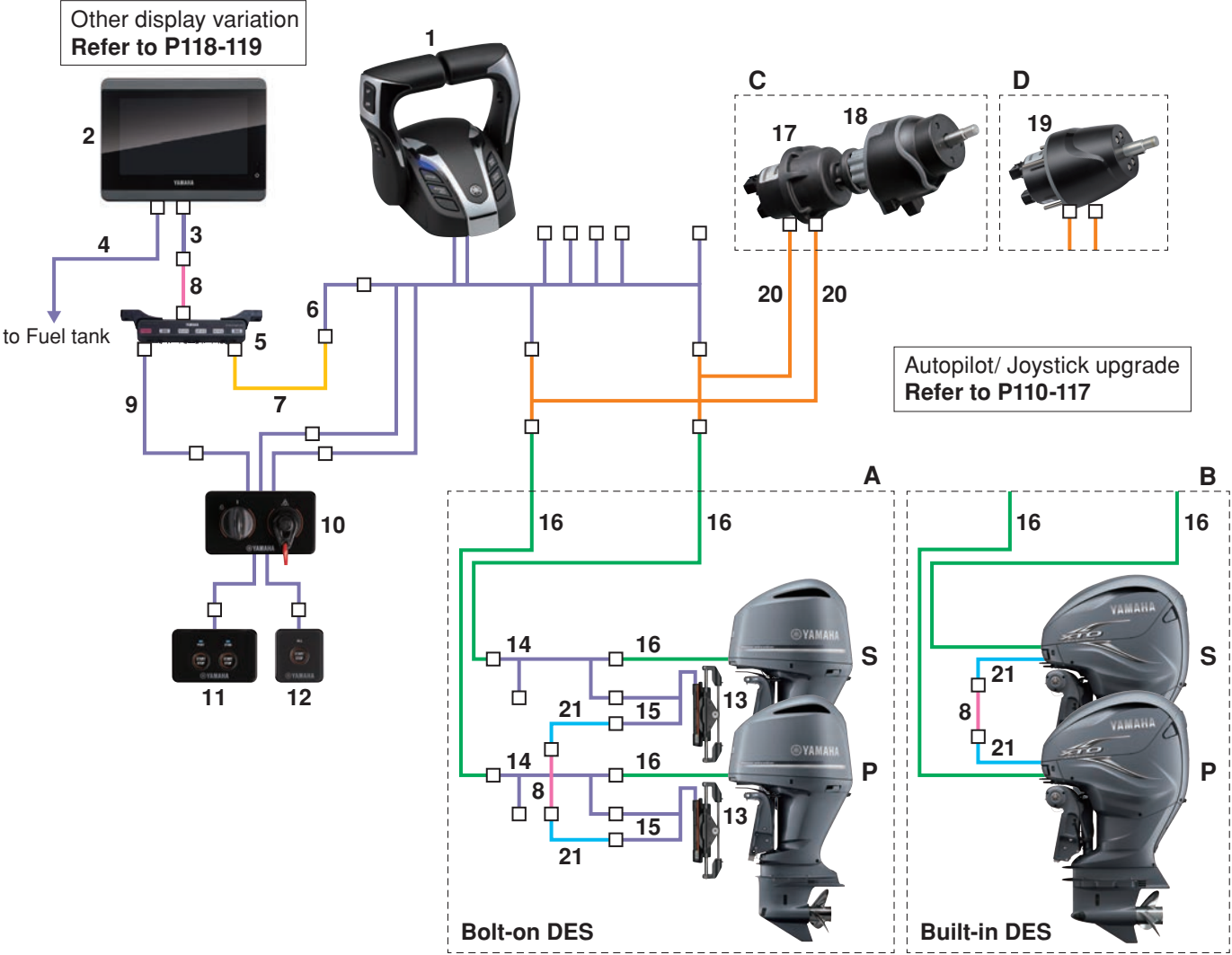
Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

- TWIN
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00	1	
	Gauge kit	6YM-762G0-10	1	
2	. CL5 display	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—
	SW kit	6X6-762B0-00	1	
10	. Main SW	6X6-82570-40	1	
11	. Twin start/ stop SW	6X6-82570-60	1	
12	All start/ stop SW	6X6-82570-D0	1	
	Steering kit	6X9-762S0-00	2	
	. Bolt-on steering actuator	6X9-42401-00	1	
A	. Split harness	6X9-8258A-90	1	SCU to 16-pin
	Steering actuator harness	See list 5)	2	
	Main-harness (16P)	See list 1)	2	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1	
C	. Helm unit assy	6GR-615A0-00	1	
	. Tilt helm unit	6GR-6154A-00	1	
D	Helm unit assy	6X9-762H0-00	1	
20	Helm harness (Main/ Multi)	See list 4)	2	
8	Pigtail bus wire	See list 2)	1	
21	SCU link harness (Port/ Stbd)	See list 3)	2	
16	Main-harness (16P)	See list 1)	2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

4) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

5) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

TRIPLE
ENGINE

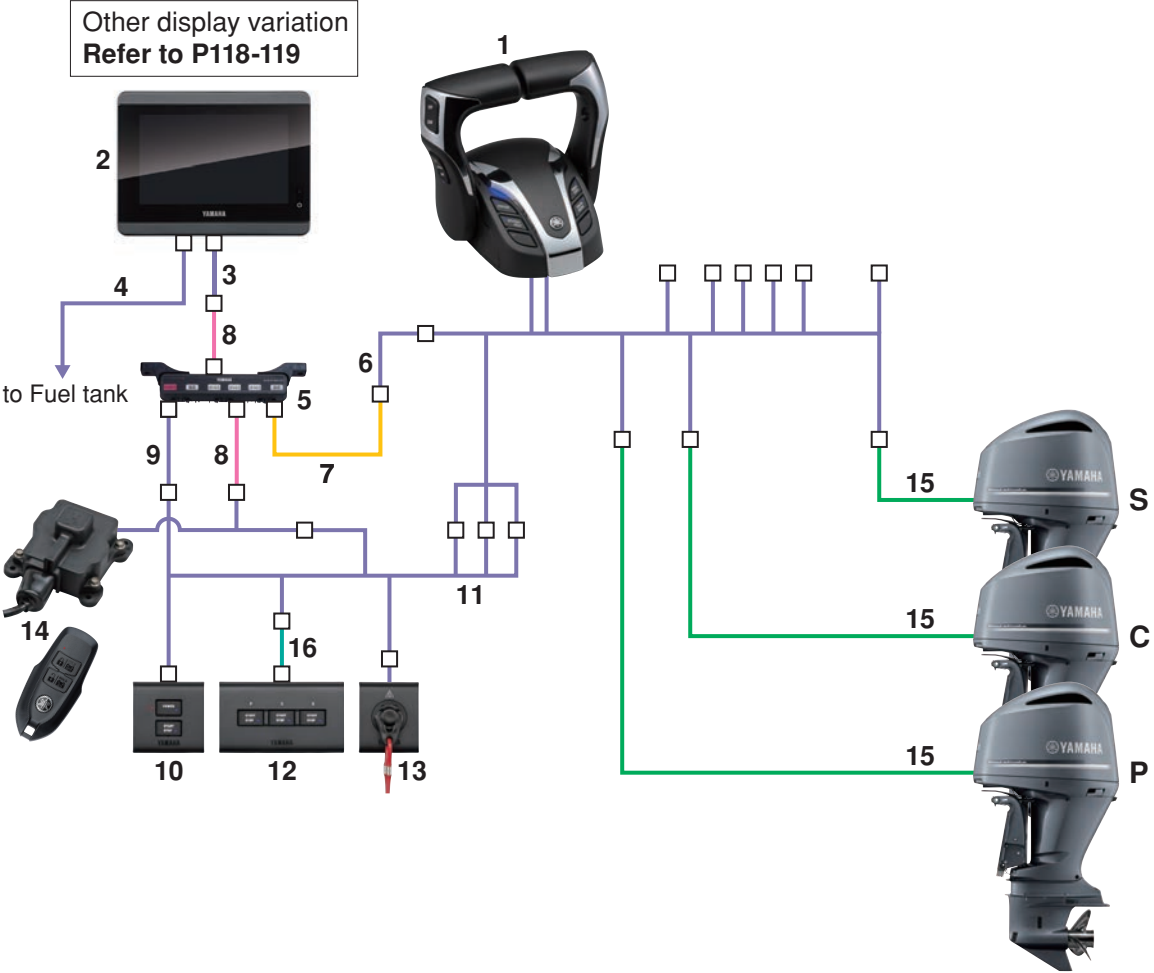
6X9
DEC TM

CL5
DISPLAY

EKS
SWITCH

DES
STEERING

SINGLE
STATION



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number			Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00			1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1	
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
	EKS kit	6X9-762B0-21	1	6X9-762B0-61	1	
10	. Power SW	6X9-82570-00	1	6X9-82570-00	1	
11	. EKS harness	6X9-82716-41	1	6X9-82716-41	1	DEC to SW panel
12	. Individual start/ stop SW	6X9-82570-40	1	6X9-82570-40	1	
13	. Emergency stop SW	6X9-82570-C0	1	6X9-82570-C0	1	
14	. Key fob and receiver assy	6X9-86254-00	1	—	—	Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1	Radio frequency 315 MHz, Key fob: 2 pcs.
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1	0.6 m (2 ft)
15	Main-harness (16P)	See list 1)			3	
16	EKS harness extension	See list 2)			1	Optional harness for remote panel installation.

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)

Part number	Remarks
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

TRIPLE
ENGINE

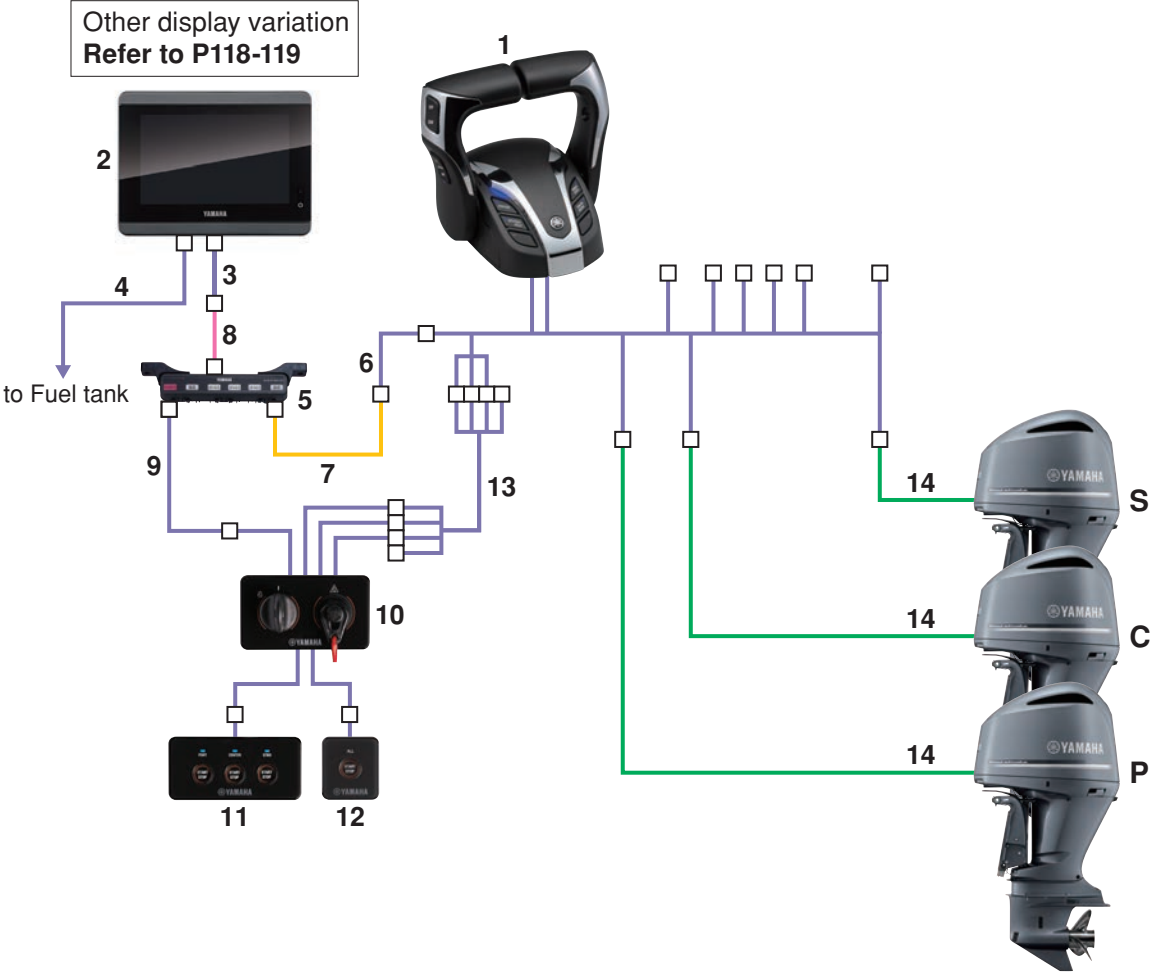
6X9
DEC TM

CL5
DISPLAY

6X6
SWITCH

DES
STEERING

SINGLE
STATION



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

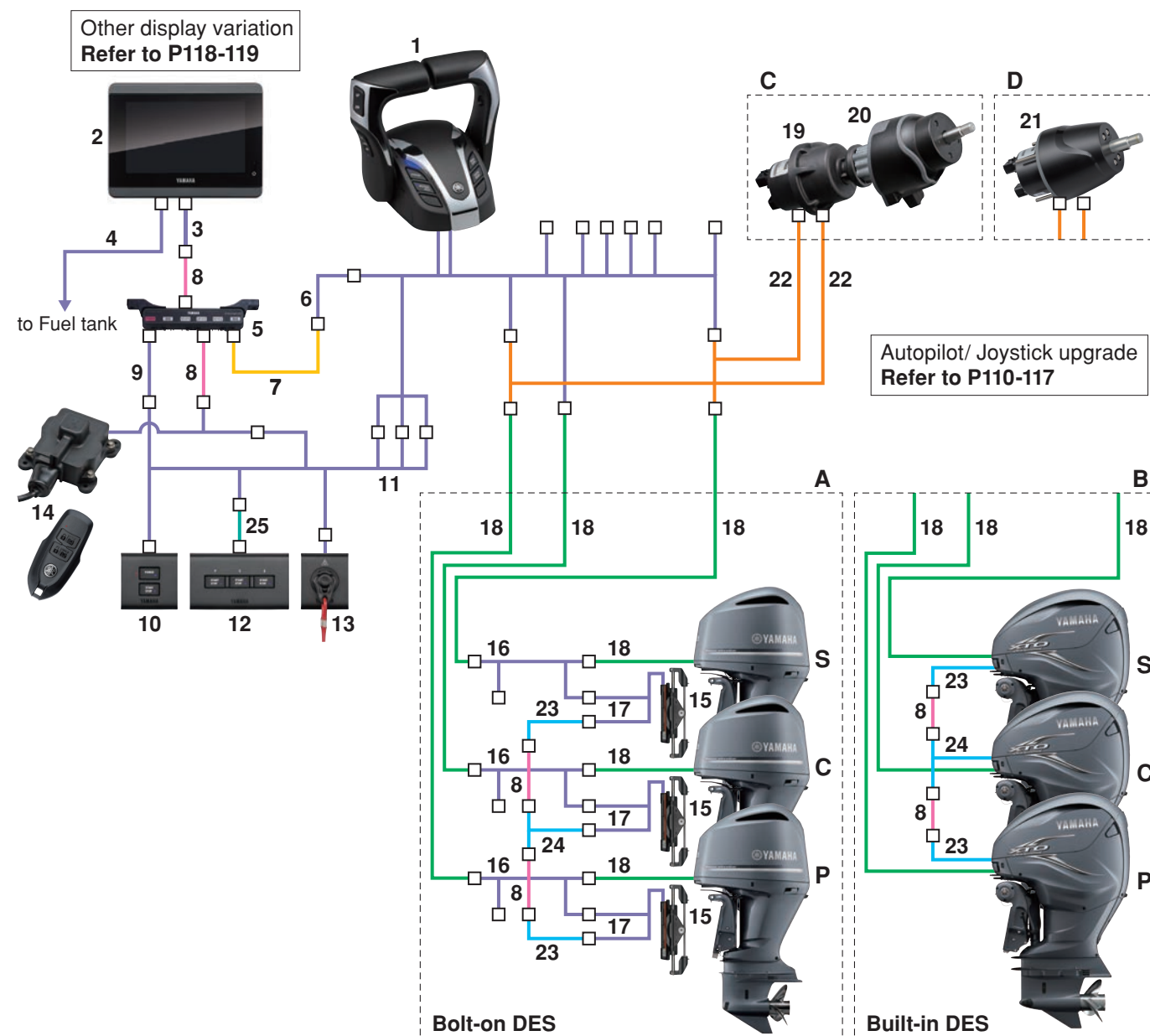
Ref. No.	Part name	Part number			Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00			1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1	
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
	SW kit	6X6-762B0-10			1	
10	. Main SW	6X6-82570-50			1	
11	. Triple start/ stop SW	6X6-82570-70			1	
12	All start/ stop SW	6X6-82570-D0			1	
13	Conversion harness	6X9-83553-60			1	DEC to conventional SW, Main station
14	Main-harness (16P)	See list 1)			3	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)

Part number	Remarks
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

TRIPLE ENGINE	6X9 DEC TM	CL5 DISPLAY	EKS SWITCH	DES STEERING	SINGLE STATION
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MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
	Gauge kit	6YM-762G0-10	1	
2	. CL5 display	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	
	EKS kit	6X9-762B0-21	1	
10	. Power SW	6X9-82570-00	1	
11	. EKS harness	6X9-82716-41	1	DEC to SW panel
12	. Individual start/ stop SW	6X9-82570-40	1	
13	. Emergency stop SW	6X9-82570-C0	1	
14	. Key fob and receiver assy	6X9-86254-00	1	Radio frequency 433 MHz, Key fob: 2 pcs.
				Radio frequency 315 MHz, Key fob: 2 pcs.
8	. Pigtail bus wire	6Y8-82521-11	1	0.6 m (2 ft)
	Steering kit	6X9-762S0-00	3	
15	. Bolt-on steering actuator	6X9-42401-00	1	
16	. Split harness	6X9-8258A-90	1	SCU to 16-pin
17	. Steering actuator harness	See list 6)	3	
18	. Main-harness (16P)	See list 1)	3	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1	
19	. Helm unit assy	6GR-615A0-00	1	
20	. Tilt helm unit	6GR-6154A-00	1	
21	. Helm unit assy	6X9-762H0-00	1	
22	. Helm harness (Main/ Multi)	See list 5)	2	
8	. Pigtail bus wire	See list 2)	2	
23	. SCU link harness (Port/ Stbd)	See list 3)	2	
24	. SCU link harness (Center)	See list 4)	1	
18	. Main-harness (16P)	See list 1)	3	
25	. EKS harness extension	See list 7)	1	Optional harness for remote panel installation.

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

4) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

- TRIPLE
ENGINE

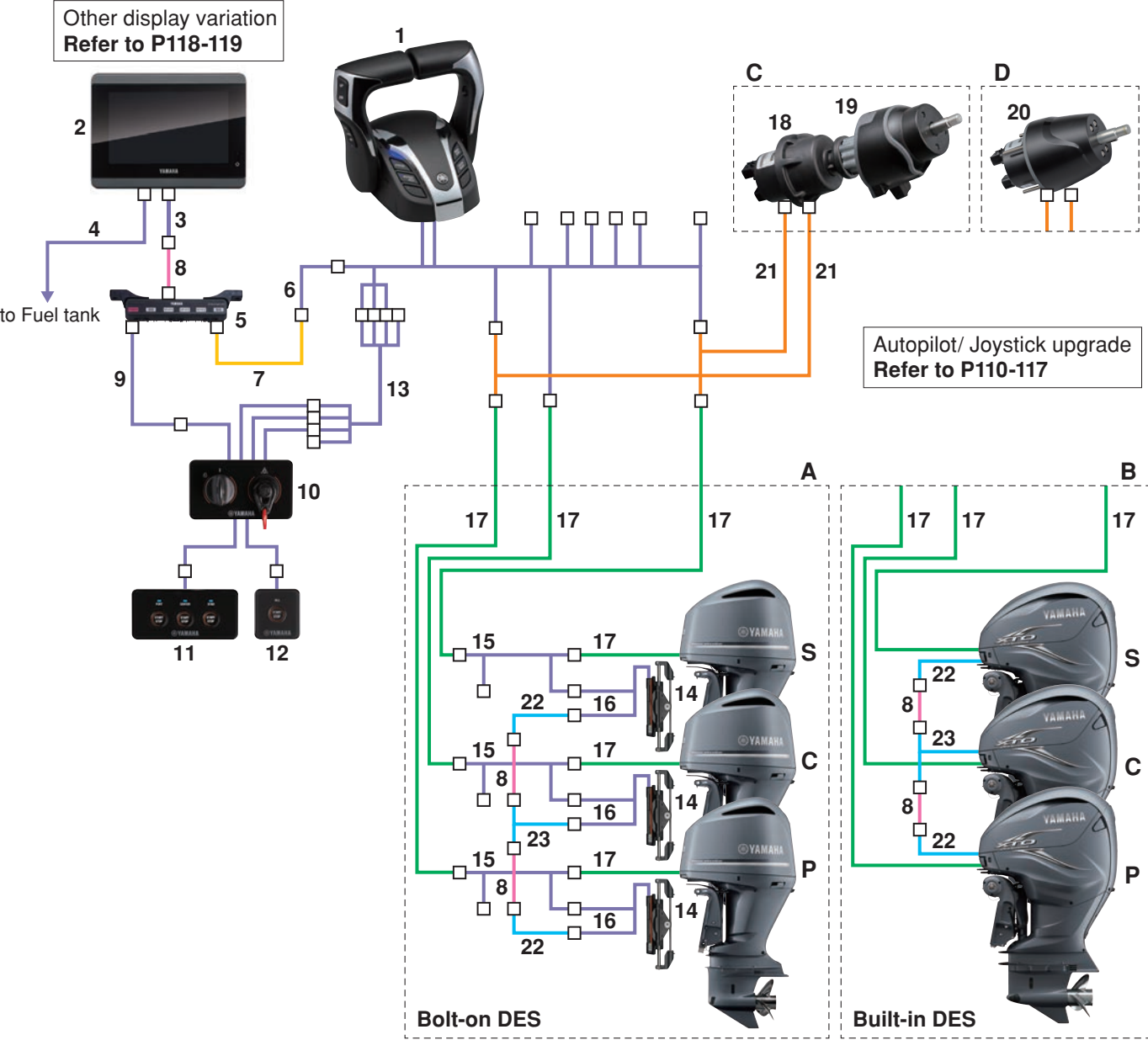
6X9
DEC TM

CL5
DISPLAY

6X6
SWITCH

DES
STEERING

SINGLE
STATION



MEMO

Parts order list for basic installation: NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
2	. CL5 display	6YM-83710-10	1	6YM-83710-10
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
	SW kit	6X6-762B0-10	1	
10	. Main SW	6X6-82570-50	1	
11	. Triple start/ stop SW	6X6-82570-70	1	
12	All start/ stop SW	6X6-82570-D0	1	
13	Conversion harness	6X9-83553-60	1	DEC to conventional SW, Main station
	Steering kit	6X9-762S0-00	3	
	14 . Bolt-on steering actuator	6X9-42401-00	1	
	15 . Split harness	6X9-8258A-90	1	SCU to 16-pin
	16 Steering actuator harness	See list 6)	3	
	17 Main-harness (16P)	See list 1)	3	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1	
	18 . Helm unit assy	6GR-615A0-00	1	
	19 . Tilt helm unit	6GR-6154A-00	1	
	20 Helm unit assy	6X9-762H0-00	1	
21	Helm harness (Main/ Multi)	See list 5)	2	
8	Pigtail bus wire	See list 2)	2	
22	SCU link harness (Port/ Stbd)	See list 3)	2	
23	SCU link harness (Center)	See list 4)	1	
17	Main-harness (16P)	See list 1)	3	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

4) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

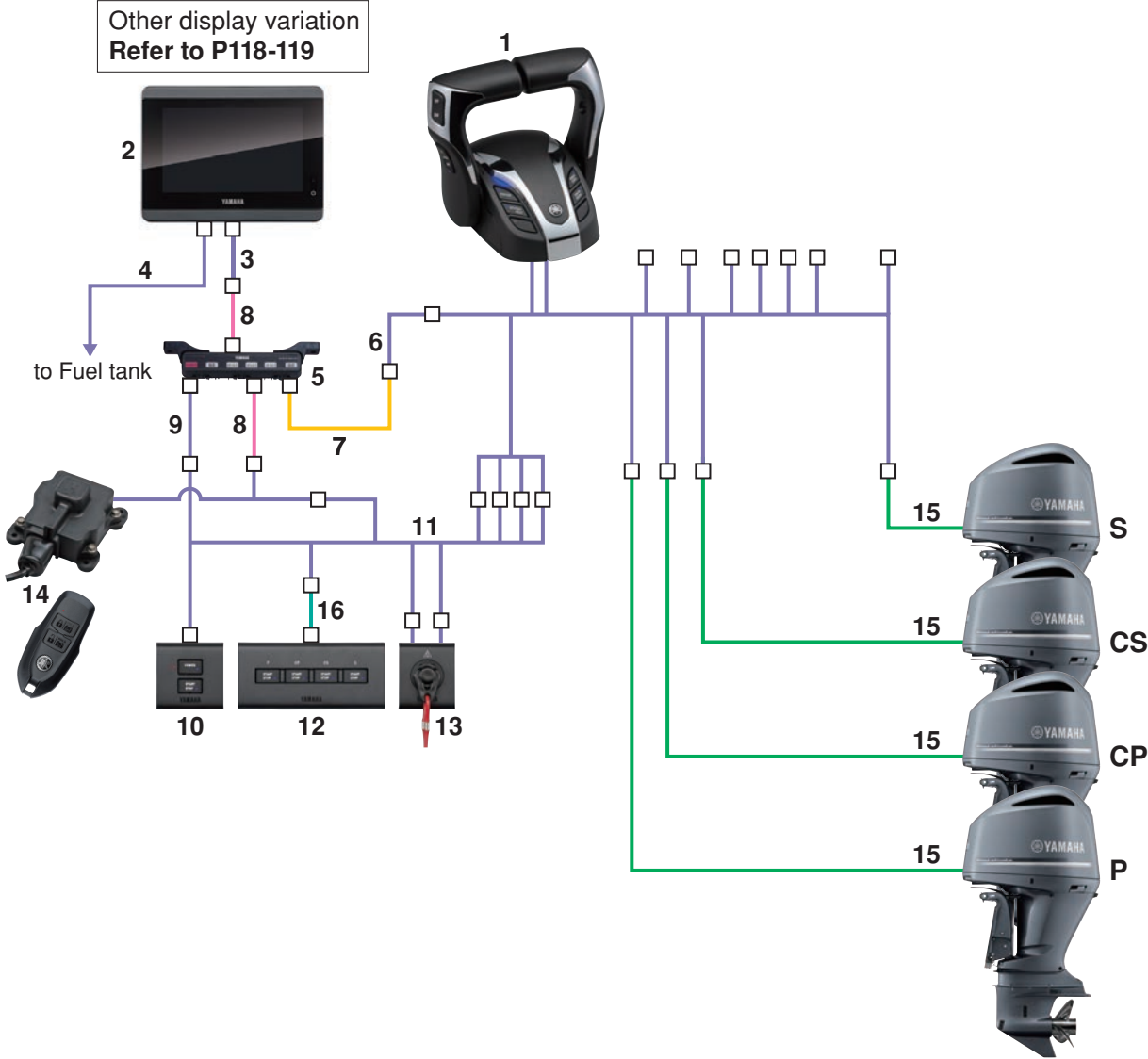
Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

- QUAD
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- EKS
SWITCH
- DES
STEERING
- SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number			Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00			1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1	
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
	EKS kit	6X9-762B0-31	1	6X9-762B0-71	1	
10	. Power SW	6X9-82570-00	1	6X9-82570-00	1	
11	. EKS harness	6X9-82716-91	1	6X9-82716-91	1	DEC to SW panel
12	. Individual start/ stop SW	6X9-82570-50	1	6X9-82570-50	1	
13	. Emergency stop SW	6X9-82570-D0	1	6X9-82570-D0	1	
14	. Key fob and receiver assy	6X9-86254-00	1	—	—	Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1	Radio frequency 315 MHz, Key fob: 2 pcs.
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1	0.6 m (2 ft)
15	Main-harness (16P)	See list 1)			4	
16	EKS harness extension	See list 2)			1	Optional harness for remote panel installation.

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

QUAD ENGINE

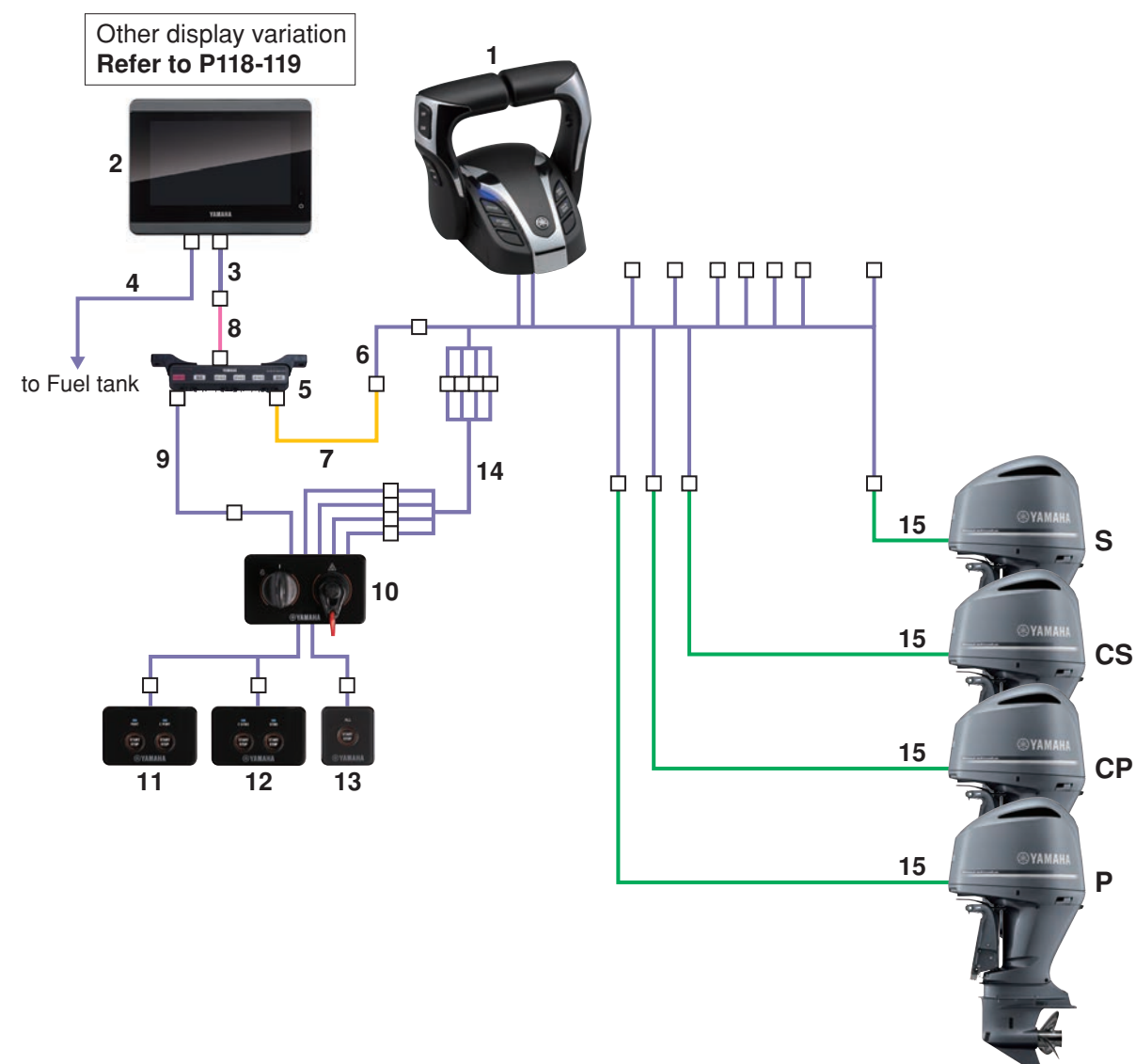
6X9
DEC TM

CL5 DISPLAY

6X6 SWITCH

DES
STEERING

SINGLE STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number			Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00			1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1	
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1	No Wi-Fi
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1	0.9 m (3 ft)
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1	
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1	
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	—	—	
10	Main SW	6X6-82570-G0			1	
11	Start/ stop button	6X6-82570-J0			1	P/ CP
12	Start/ stop button	6X6-82570-K0			1	S/ CS
13	All start/ stop SW	6X6-82570-D0			1	
14	Conversion harness	6X9-83553-60			1	DEC to conventional SW, Main station
15	Main-harness (16P)	See list 1)			4	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

QUAD
ENGINE

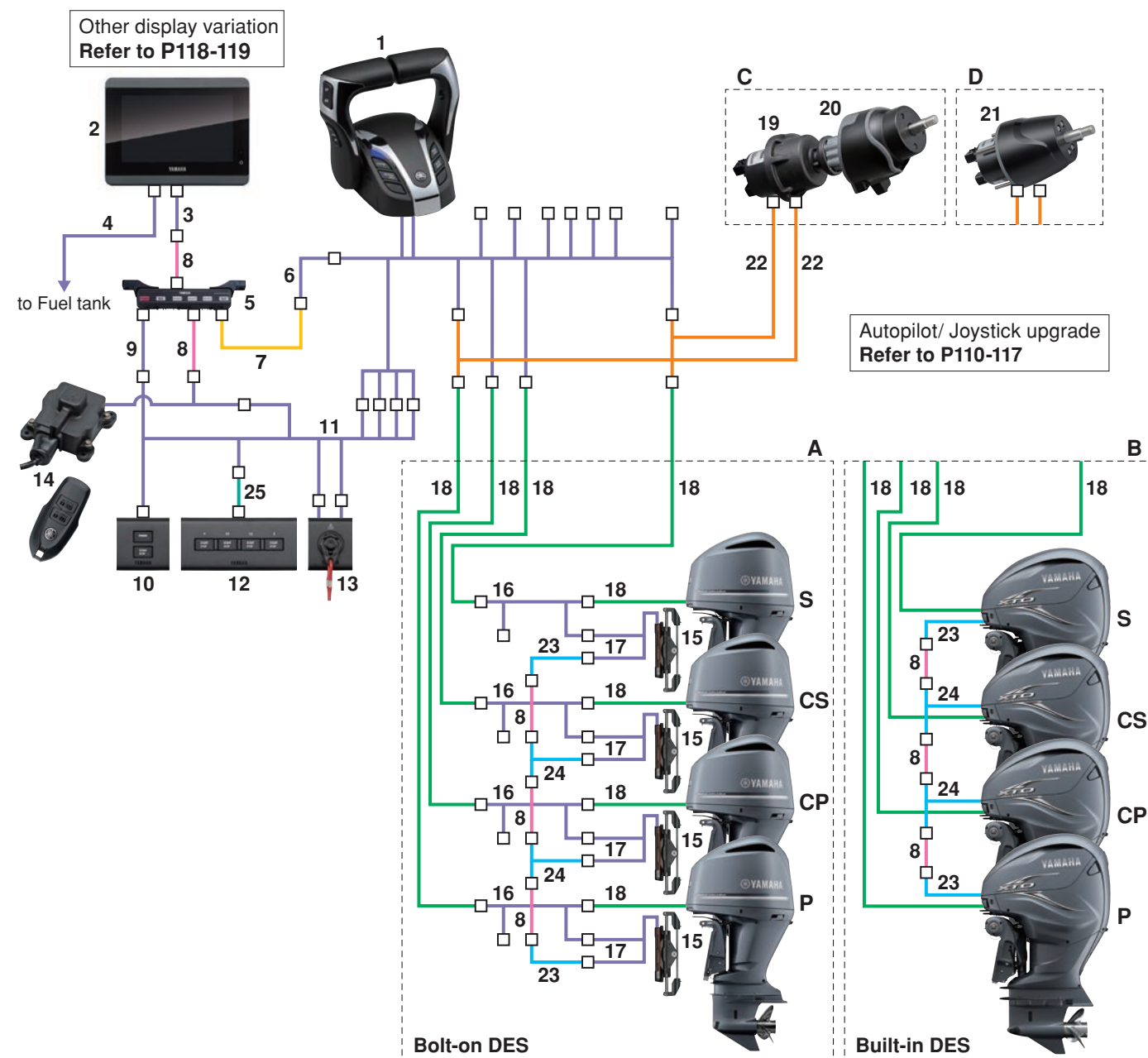
6X9
DEC TM

CL5
DISPLAY

EKS
SWITCH

DES
STEERING

SINGLE
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00	1	
	Gauge kit	6YM-762G0-10	1	
2	CL5 display	6YM-83710-10	1	No Wi-Fi
3	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
4	Fuel tank wire	6YD-8356N-00	1	
5	Multi-hub	6Y8-81920-01	1	
6	Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
7	Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
8	Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
9	System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	4-pin waterproof cap	6Y8-82582-11	2	White
	Speed sensor kit	60V-8A4L1-1A	1	
	EKS kit	6X9-762B0-31	1	
10	Power SW	6X9-82570-00	1	
11	EKS harness	6X9-82716-91	1	DEC to SW panel
12	Individual start/ stop SW	6X9-82570-50	1	
13	Emergency stop SW	6X9-82570-D0	1	
14	Key fob and receiver assy	6X9-86254-00	1	Radio frequency 433 MHz, Key fob: 2 pcs.
8	Pigtail bus wire	6Y8-82521-11	1	Radio frequency 315 MHz, Key fob: 2 pcs.
	Steering kit	6X9-762S0-00	4	0.6 m (2 ft)
15	Bolt-on steering actuator	6X9-42401-00	1	
16	Split harness	6X9-8258A-90	1	SCU to 16-pin
17	Steering actuator harness	See list 6)	4	
18	Main-harness (16P)	See list 1)	4	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	1	
19	Helm unit assy	6GR-615A0-00	1	
20	Tilt helm unit	6GR-6154A-00	1	
21	Helm unit assy	6X9-762H0-00	1	
22	Helm harness (Main/ Multi)	See list 5)	2	
8	Pigtail bus wire	See list 2)	3	
23	SCU link harness (Port/ Stbd)	See list 3)	2	
24	SCU link harness (Center)	See list 4)	2	
18	Main-harness (16P)	See list 1)	4	
25	EKS harness extension	See list 7)	1	Optional harness for remote panel installation.

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

4) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

QUAD ENGINE

6X9
DEC TM

CL5 DISPLAY

6X6 SWITCH

DES STEERING

SINGLE STATION



Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00		1	
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
2	. CL5 display	6YM-83710-10	1	6YM-83710-10	1
3	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1
4	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
5	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
6	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2
	. Speed sensor kit	60V-84L1-1A	1	—	—
10	Main SW	6X6-82570-G0		1	
11	Start/ stop button	6X6-82570-J0		1	P/ CP
12	Start/ stop button	6X6-82570-K0		1	S/ CS
13	All start/ stop SW	6X6-82570-D0		1	
14	Conversion harness	6X9-83553-60		1	DEC to conventional SW, Main station
	Steering kit	6X9-762S0-00		4	
A	15 . Bolt-on steering actuator	6X9-42401-00		1	
	16 . Split harness	6X9-8258A-90		1	SCU to 16-pin
	17 Steering actuator harness	See list 6)		4	
	18 Main-harness (16P)	See list 1)		4	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00		1	
C	19 . Helm unit assy	6GR-615A0-00		1	
	20 . Tilt helm unit	6GR-6154A-00		1	
D	21 Helm unit assy	6X9-762H0-00		1	
22	Helm harness (Main/ Multi)	See list 5)		2	
8	Pigtail bus wire	See list 2)		3	
23	SCU link harness (Port/ Stbd)	See list 3)		2	
24	SCU link harness (Center)	See list 4)		2	
18	Main-harness (16P)	See list 1)		4	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

3) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

4) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

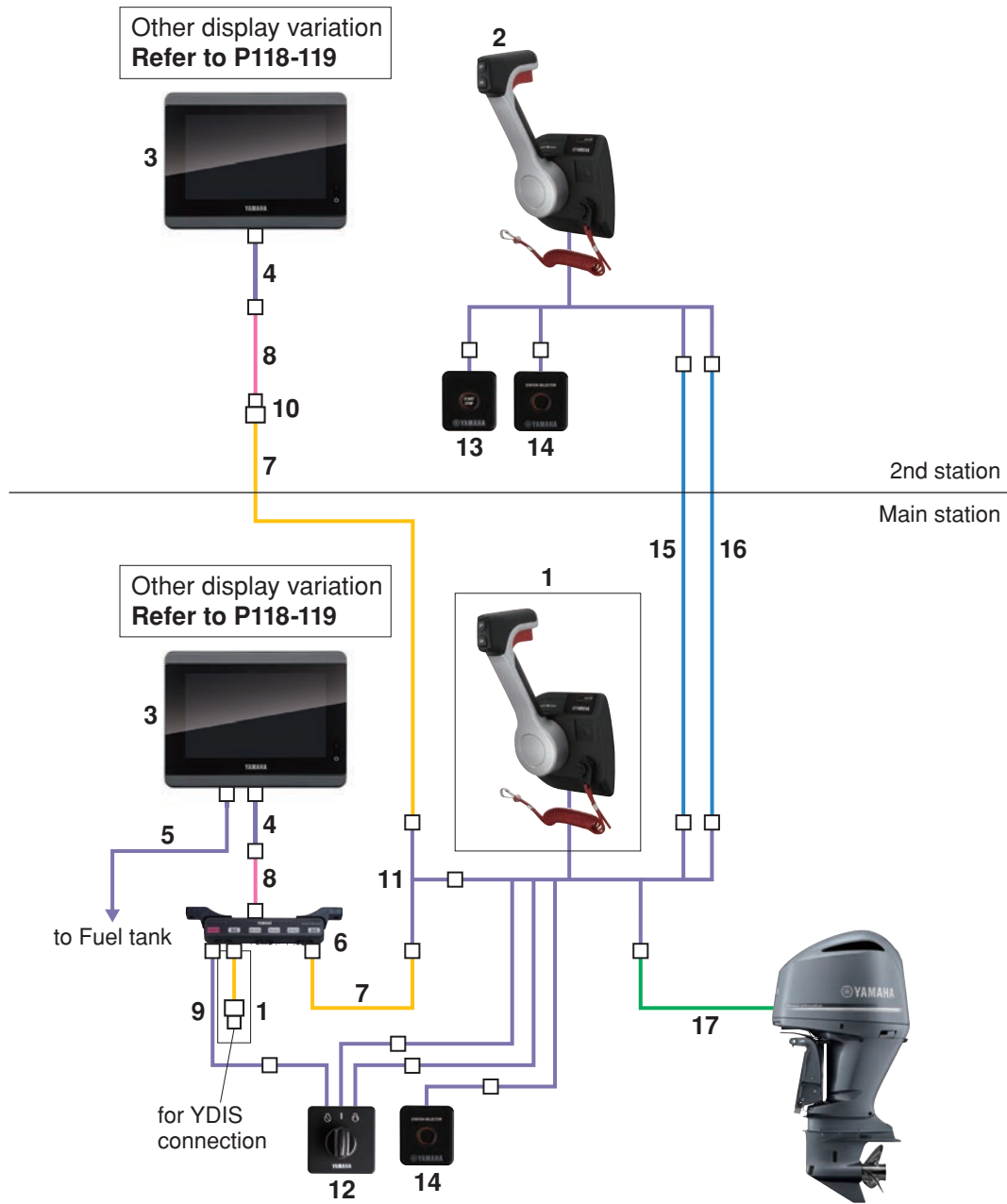
Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

NOTE:
For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

- SINGLE
ENGINE
- 6X7
DEC FM
- CL5
DISPLAY
- 64D
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X7 single DEC	6X7-48206-31	1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
2	6X7 single DEC	6X7-48206-41	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
10	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
11	Conversion harness 1	6Y9-83553-10	1	DEC to hub, 0.3 m (1 ft)
12	Main SW	64D-82570-22	1	
13	Single start/ stop SW	6X6-82570-80	1	2nd station
14	Station selector SW	6X6-82570-B0	2	Main station, 2nd station
15	2nd helm harness (2-12P)	See list 4)	1	DEC to conventional SW
16	2nd helm harness (3/ 4/ 6P)	See list 5)	1	
17	Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

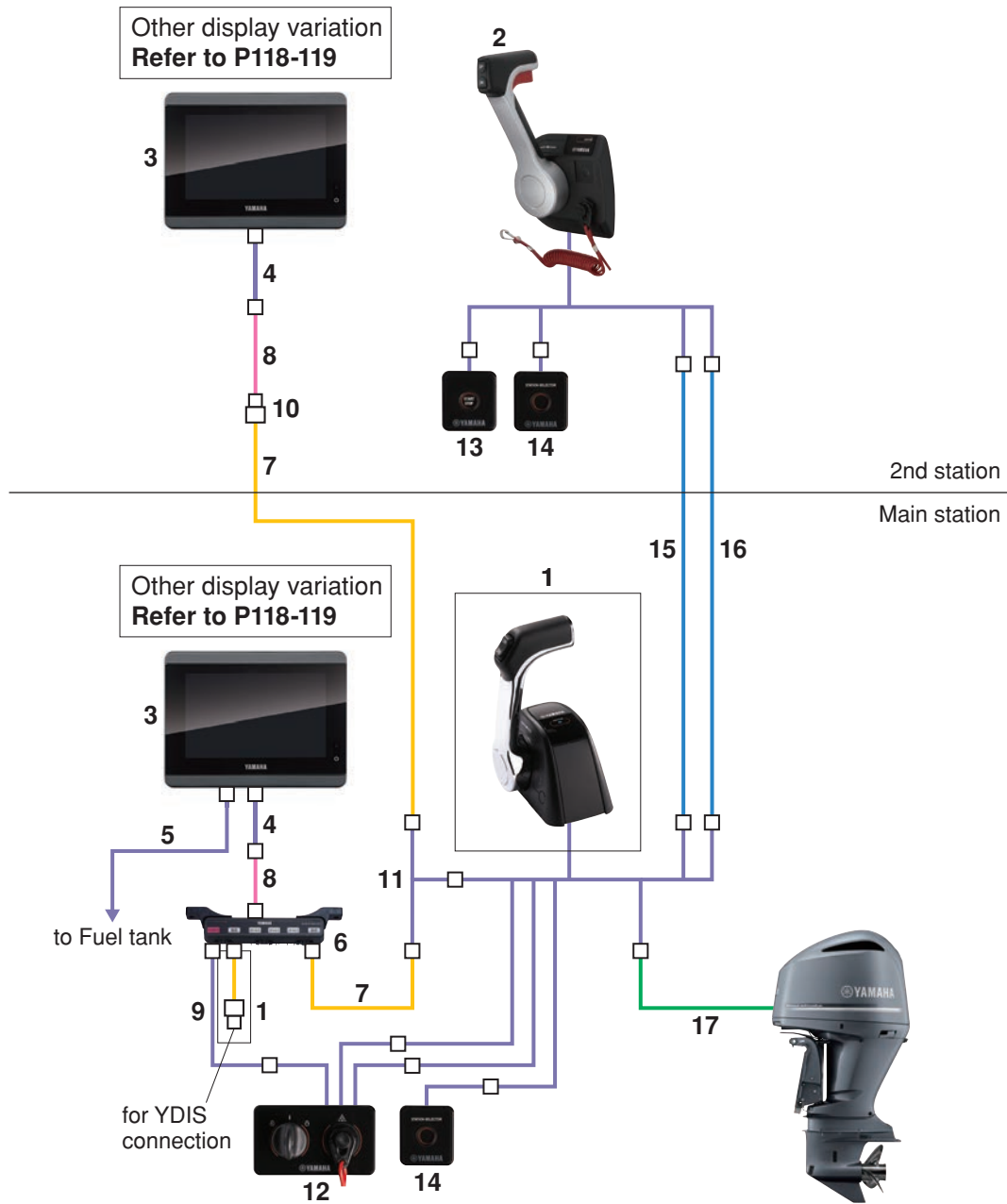
4) 2nd helm harness (2-12P)

Part number	Remarks
6X6-8258A-B1	5 m (16 ft)
6X6-8258A-D1	8 m (26 ft)
6X6-8258A-F1	12 m (39 ft)

5) 2nd helm harness (3/ 4/ 6P)

Part number	Remarks
6X6-8258A-G1	5 m (16 ft)
6X6-8258A-H1	8 m (26 ft)
6X6-8258A-J1	12 m (39 ft)

- SINGLE
ENGINE
- 6X6/6X7
DEC TM/FM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X6 single DEC	6X6-48205-71	1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
2	6X7 single DEC	6X7-48206-41	1	2nd station
13	Single start/ stop SW	6X6-82570-80	1	2nd station
14	Station selector SW	6X6-82570-B0	2	Main station, 2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
10	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
11	Conversion harness 1	6Y9-83553-10	1	DEC to hub, 0.3 m (1 ft)
12	Main SW	6X6-82570-33	1	
15	2nd helm harness (2-12P)	See list 4)	1	
16	2nd helm harness (3/ 4/ 6P)	See list 5)	1	
17	Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (2-12P)

Part number	Remarks
6X6-8258A-B1	5 m (16 ft)
6X6-8258A-D1	8 m (26 ft)
6X6-8258A-F1	12 m (39 ft)

5) 2nd helm harness (3/ 4/ 6P)

Part number	Remarks
6X6-8258A-G1	5 m (16 ft)
6X6-8258A-H1	8 m (26 ft)
6X6-8258A-J1	12 m (39 ft)



1) Main-harness (16P)

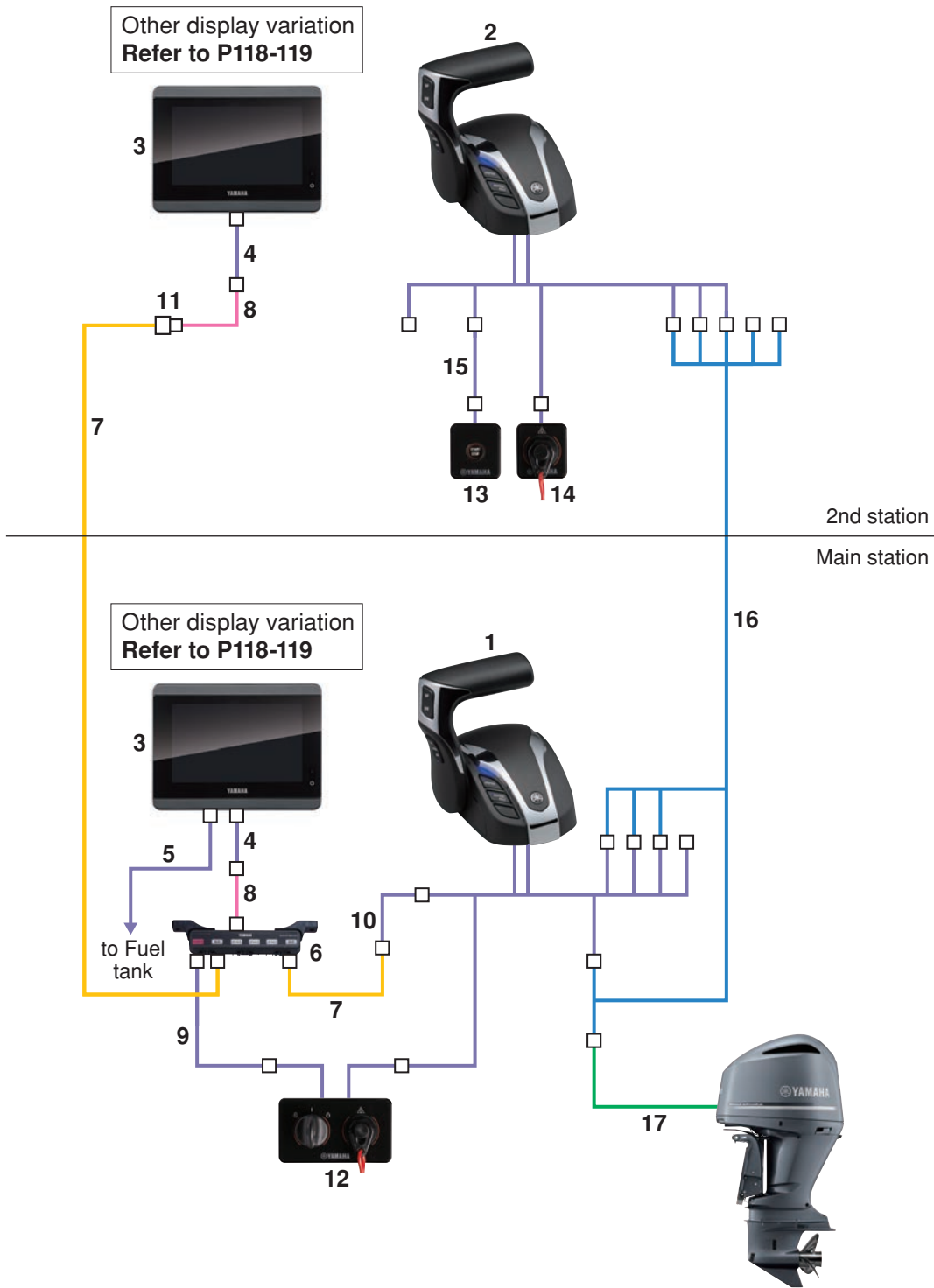
2) Main bus wire

3) Pigtail bus wire

4) 2nd helm harness

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

- SINGLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00	1	
2	6X9 single DEC	6X9-48205-10	1	2nd station
	Gauge kit	6YM-762G0-10 1 6YM-762G0-00	1	
3	. CL5 display	6YM-83710-10 1 6YM-83710-10	1	No Wi-Fi
4	. Conversion harness	6YM-83553-00 1 6YM-83553-00	1	0.9 m (3 ft)
5	. Fuel tank wire	6YD-8356N-00 1 6YD-8356N-00	1	
6	. Multi-hub	6Y8-81920-01 1 6Y8-81920-01	1	
7	. Main bus wire	6Y8-82553-01 1 6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31 1 6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01 1 6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
10	. Conversion harness	6Y9-83553-00 1 6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
	. 4-pin waterproof cap	6Y8-82582-11 2 6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A 1 -	-	
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
12	Main SW	6X6-82570-33	1	
13	Single start/ stop SW	6X6-82570-80	1	2nd station
14	Emergency stop SW	6X6-82570-90	1	2nd station
15	Conversion harness	6X9-83553-20	1	DEC to conventional SW
16	2nd helm harness	See list 4)	1	
17	Main-harness (16P)	See list 1)	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

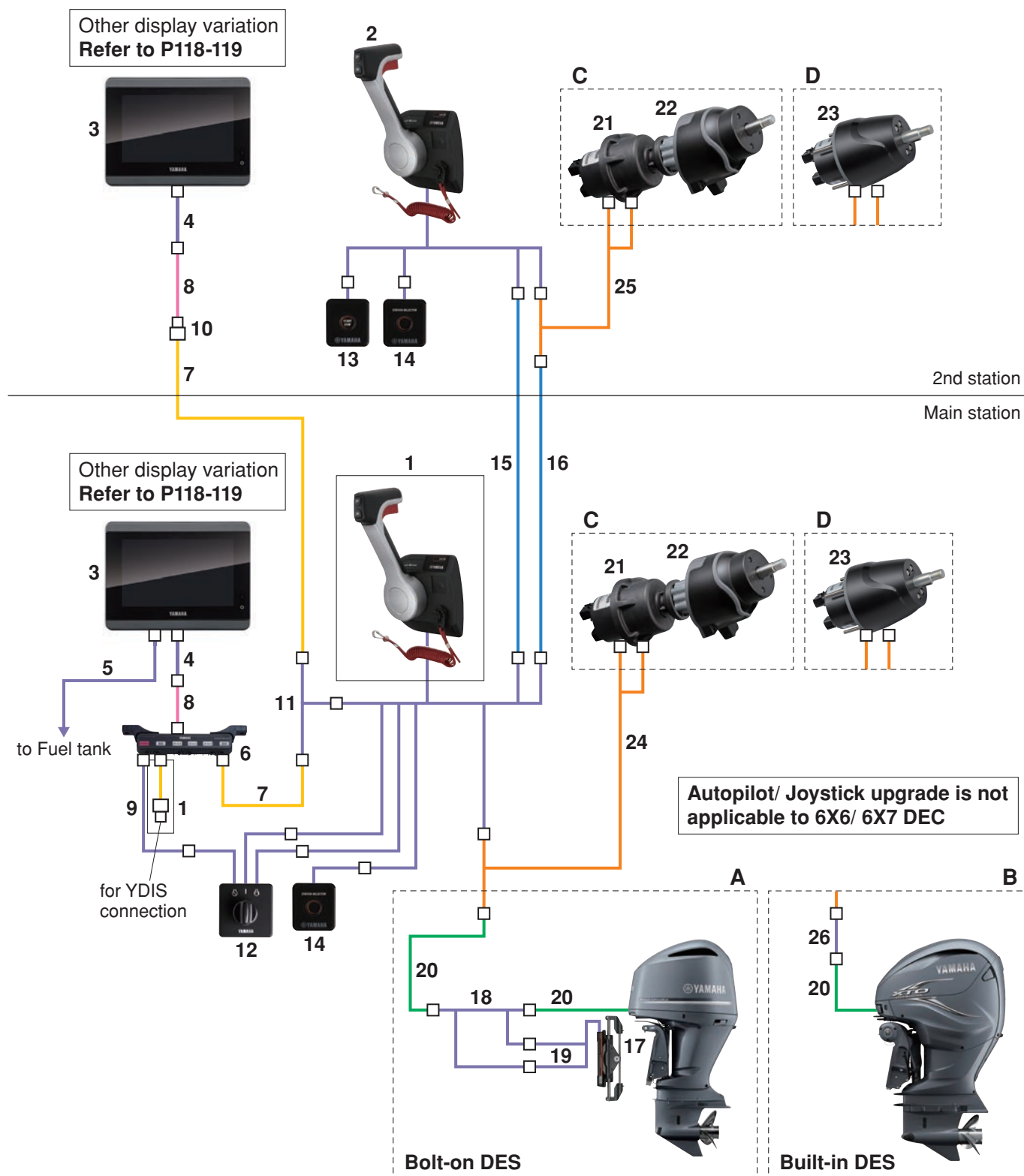
3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

SINGLE ENGINE	6X7 DEC FM	CL5 DISPLAY	64D SWITCH	DES STEERING	DUAL STATION
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MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X7 single DEC	6X7-48206-31	1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
2	6X7 single DEC	6X7-48206-41	1	2nd station
3	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
4	CL5 display	6YM-83710-10	1	6YM-83710-10
5	Conversion harness	6YM-83553-00	1	6YM-83553-00
6	Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
7	Multi-hub	6Y8-81920-01	1	6Y8-81920-01
8	Main bus wire	6Y8-82553-01	1	6Y8-82553-01
9	Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
10	System power supply wire	6Y8-83553-01	1	6Y8-83553-01
11	Conversion harness	6Y9-83553-00	1	6Y9-83553-00
12	4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
13	Speed sensor kit	60V-8A4L1-1A	1	-
14	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
15	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
16	Single-hub	6Y8-81920-11	1	
17	Pigtail bus wire	See list 3)	1	
18	Main bus wire	See list 2)	1	
19	Conversion harness 1	6Y9-83553-10	1	DEC to hub, 0.3 m (1 ft)
20	Main SW	64D-82570-22	1	
21	Single start/ stop SW	6X6-82570-80	1	2nd station
22	Station selector SW	6X6-82570-B0	2	Main station, 2nd station
23	2nd helm harness (2-12P)	See list 4)	1	
24	2nd helm harness (3/ 4/ 6P)	See list 5)	1	
25	Steering kit	6X9-762S0-00	1	
26	Bolt-on steering actuator	6X9-42401-00	1	
27	Split harness	6X9-8258A-90	1	SCU to 16-pin
28	Steering actuator harness	See list 7)	1	
29	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
30	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
31	Helm unit assy	6GR-615A0-00	1	
32	Tilt helm unit	6GR-615A4-00	1	
33	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
34	Helm harness (Main/ Single)	See list 6)	1	
35	Helm harness (2nd station)	6GR-8258A-20	1	0.9 m (3 ft)
36	Main-harness (16P)	See list 1)	1	
37	Extension harness	6GR-8258A-V0	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (2-12P)

Part number	Remarks
6X6-8258A-B1	5 m (16 ft)
6X6-8258A-D1	8 m (26 ft)
6X6-8258A-F1	12 m (39 ft)

5) 2nd helm harness (3/ 4/ 6P)

Part number	Remarks
6X6-8258A-G1	5 m (16 ft)
6X6-8258A-H1	8 m (26 ft)
6X6-8258A-J1	12 m (39 ft)

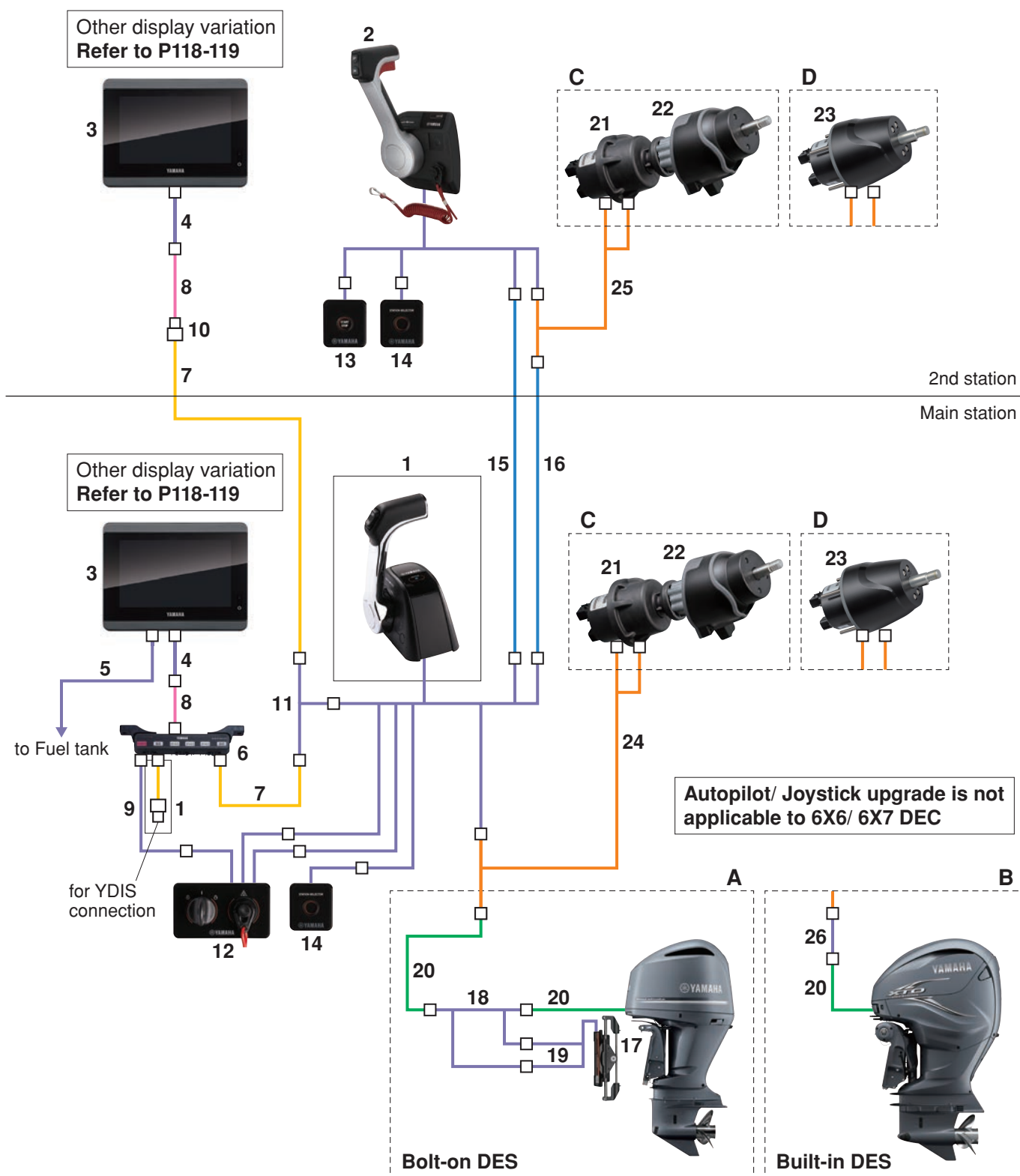
6) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

7) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

SINGLE ENGINE	6X6/6X7 DEC TM/FM	CL5 DISPLAY	6X6 SWITCH	DES STEERING	DUAL STATION
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MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X6 single DEC	6X6-48205-71	1	Including 3 m (10 ft) main bus wire, single hub and white 4-pin cap for accessible YDIS connection.
2	6X7 single DEC	6X7-48206-41	1	2nd station
13	Single start/ stop SW	6X6-82570-80	1	2nd station
14	Station selector SW	6X6-82570-B0	2	Main station, 2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
10	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
11	Conversion harness 1	6Y9-83553-10	1	DEC to hub, 0.3 m (1 ft)
12	Main SW	6X6-82570-33	1	
15	2nd helm harness (2-12P)	See list 4)	1	
16	2nd helm harness (3/ 4/ 6P)	See list 5)	1	
	Steering kit	6X9-762S0-00	1	
17	. Bolt-on steering actuator	6X9-42401-00	1	
18	. Split harness	6X9-8258A-90	1	SCU to 16-pin
19	Steering actuator harness	See list 7)	1	
20	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
21	. Helm unit assy	6GR-615A0-00	1	
22	. Tilt helm unit	6GR-6154A-00	1	
23	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
24	Helm harness (Main/ Single)	See list 6)	1	
25	Helm harness (2nd station)	6GR-8258A-20	1	0.9 m (3 ft)
20	Main-harness (16P)	See list 1)	1	
26	Extension harness	6GR-8258A-V0	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (2-12P)

Part number	Remarks
6X6-8258A-B1	5 m (16 ft)
6X6-8258A-D1	8 m (26 ft)
6X6-8258A-F1	12 m (39 ft)

5) 2nd helm harness (3/ 4/ 6P)

Part number	Remarks
6X6-8258A-G1	5 m (16 ft)
6X6-8258A-H1	8 m (26 ft)
6X6-8258A-J1	12 m (39 ft)

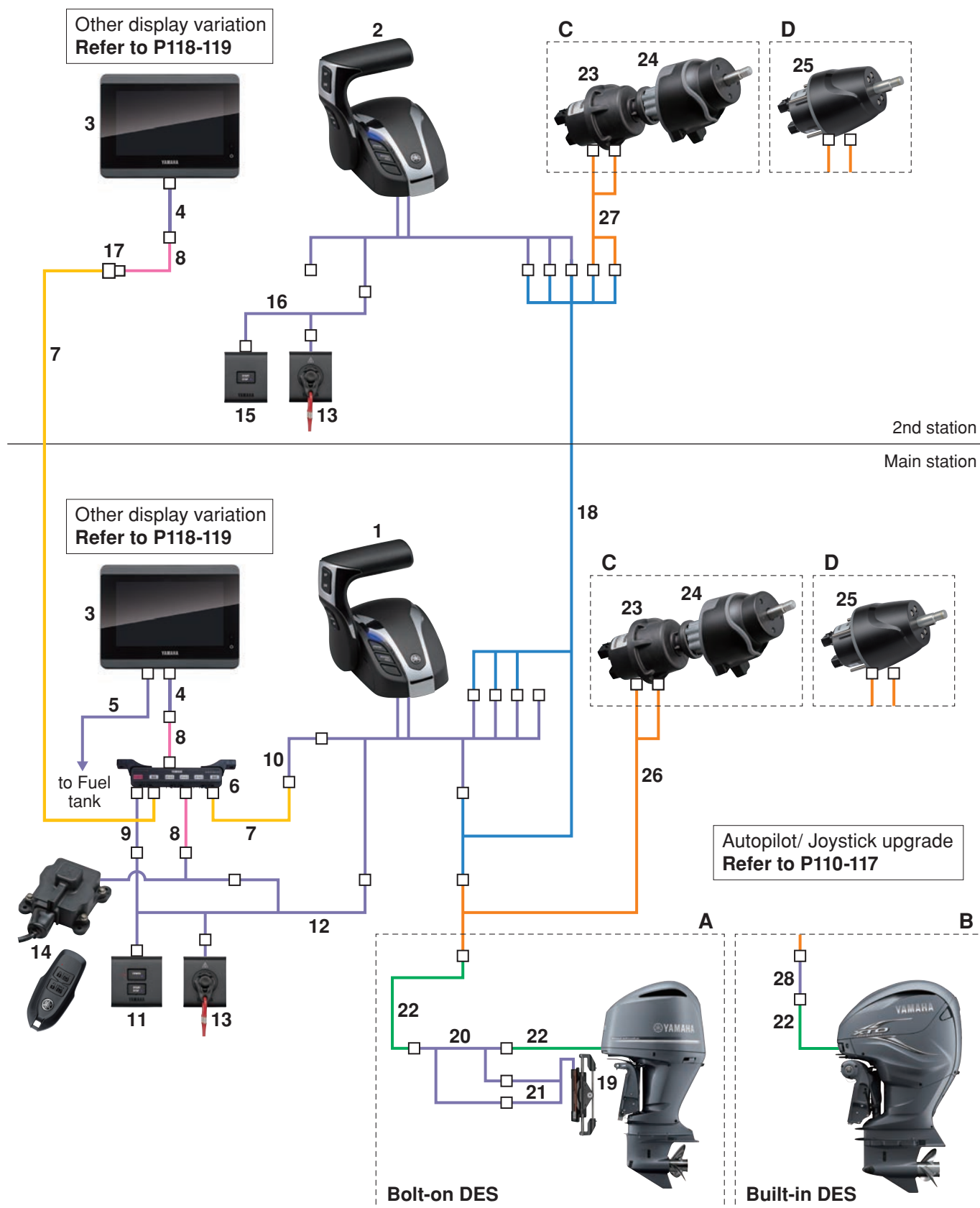
6) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

7) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

SINGLE ENGINE	6X9 DEC TM	CL5 DISPLAY	EKS SWITCH	DES STEERING	DUAL STATION
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MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00	1	
2	6X9 single DEC	6X9-48205-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
	EKS kit	6X9-762B0-01	1	6X9-762B0-41
11	. Power SW	6X9-82570-00	1	6X9-82570-00
12	. EKS harness	6X9-82716-21	1	6X9-82716-21
13	. Emergency stop SW	6X9-82570-70	1	6X9-82570-70
14	. Key fob and receiver assy	6X9-86254-00	1	—
		—	—	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	EKS kit	6X9-762B0-80	1	2nd station
15	. Start/ stop SW	6X9-82570-B0	1	
16	. EKS harness	6X9-82716-60	1	
13	. Emergency stop SW	6X9-82570-70	1	
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
17	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
18	2nd helm harness	See list 4)	1	
	Steering kit	6X9-762S0-00	1	
19	. Bolt-on steering actuator	6X9-42401-00	1	
20	. Split harness	6X9-8258A-90	1	SCU to 16-pin
21	Steering actuator harness	See list 6)	1	
22	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
23	. Helm unit assy	6GR-615A0-00	1	
24	. Tilt helm unit	6GR-6154A-00	1	
25	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
26	Helm harness (Main/ Single)	See list 5)	1	
27	Helm harness (2nd station)	6X9-8258A-A0	1	0.9 m (3 ft)
22	Main-harness (16P)	See list 1)	1	
28	Extension harness	6GR-8258A-V0	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

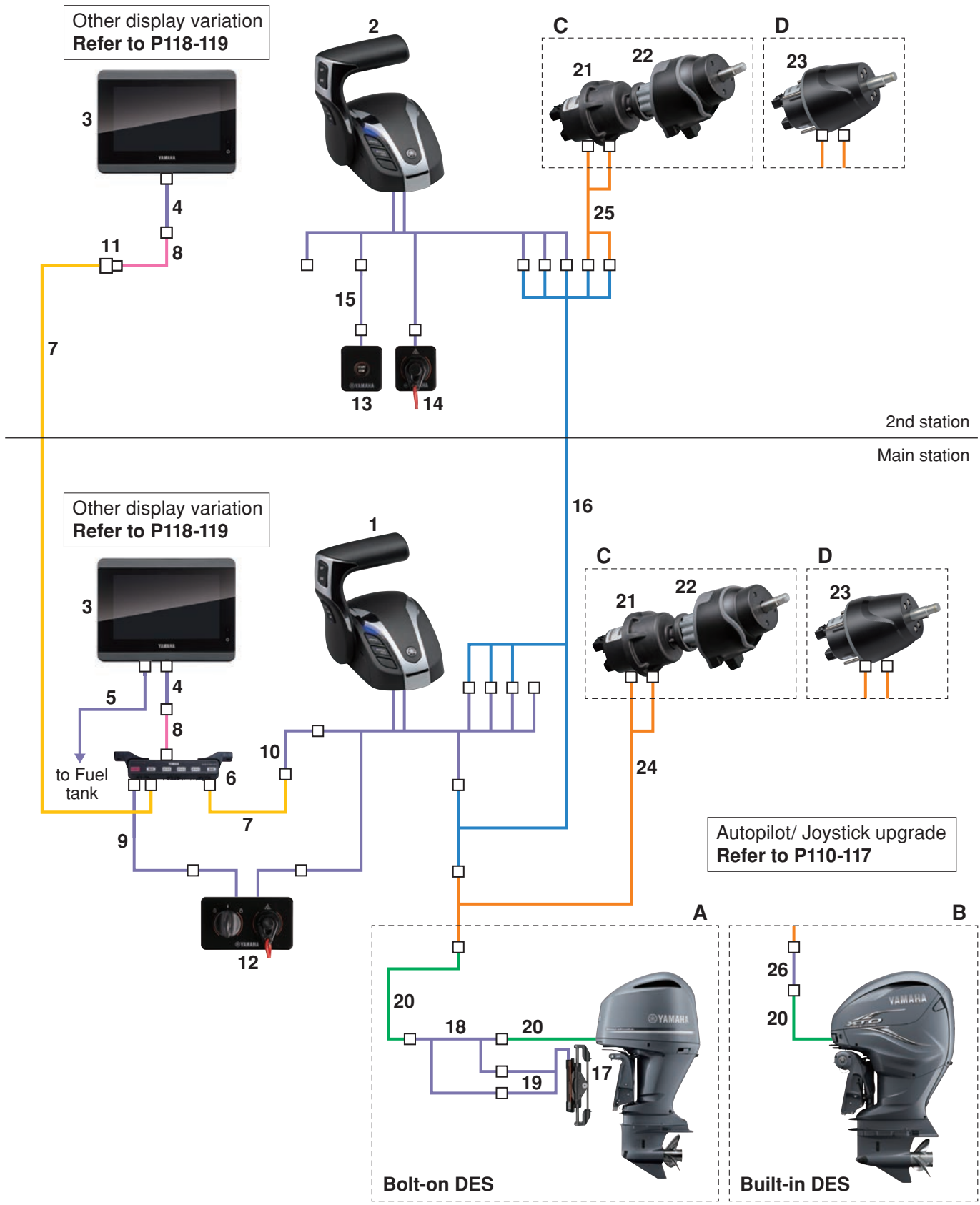
5) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

- SINGLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 single DEC	6X9-48205-00	1	
2	6X9 single DEC	6X9-48205-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
12	Main SW	6X6-82570-33	1	
13	Single start/ stop SW	6X6-82570-80	1	2nd station
14	Emergency stop SW	6X6-82570-90	1	2nd station
15	Conversion harness	6X9-83553-20	1	DEC to conventional SW
16	2nd helm harness	See list 4)	1	
	Steering kit	6X9-762S0-00	1	
	. Bolt-on steering actuator	6X9-42401-00	1	
	. Split harness	6X9-8258A-90	1	SCU to 16-pin
	. Steering actuator harness	See list 6)	1	
	Main-harness (16P)	See list 1)	1	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
	. Helm unit assy	6GR-615A0-00	1	
	. Tilt helm unit	6GR-6154A-00	1	
	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
	Helm harness (Main/ Single)	See list 5)	1	
	Helm harness (2nd station)	6X9-8258A-A0	1	0.9 m (3 ft)
	Main-harness (16P)	See list 1)	1	
	Extension harness	6GR-8258A-V0	1	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

4) 2nd helm harness

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

5) Helm harness (Main/ Single)

Part number	Remarks
6GR-8258A-00	0.9 m (3 ft)
6GR-8258A-40	1.8 m (6 ft)

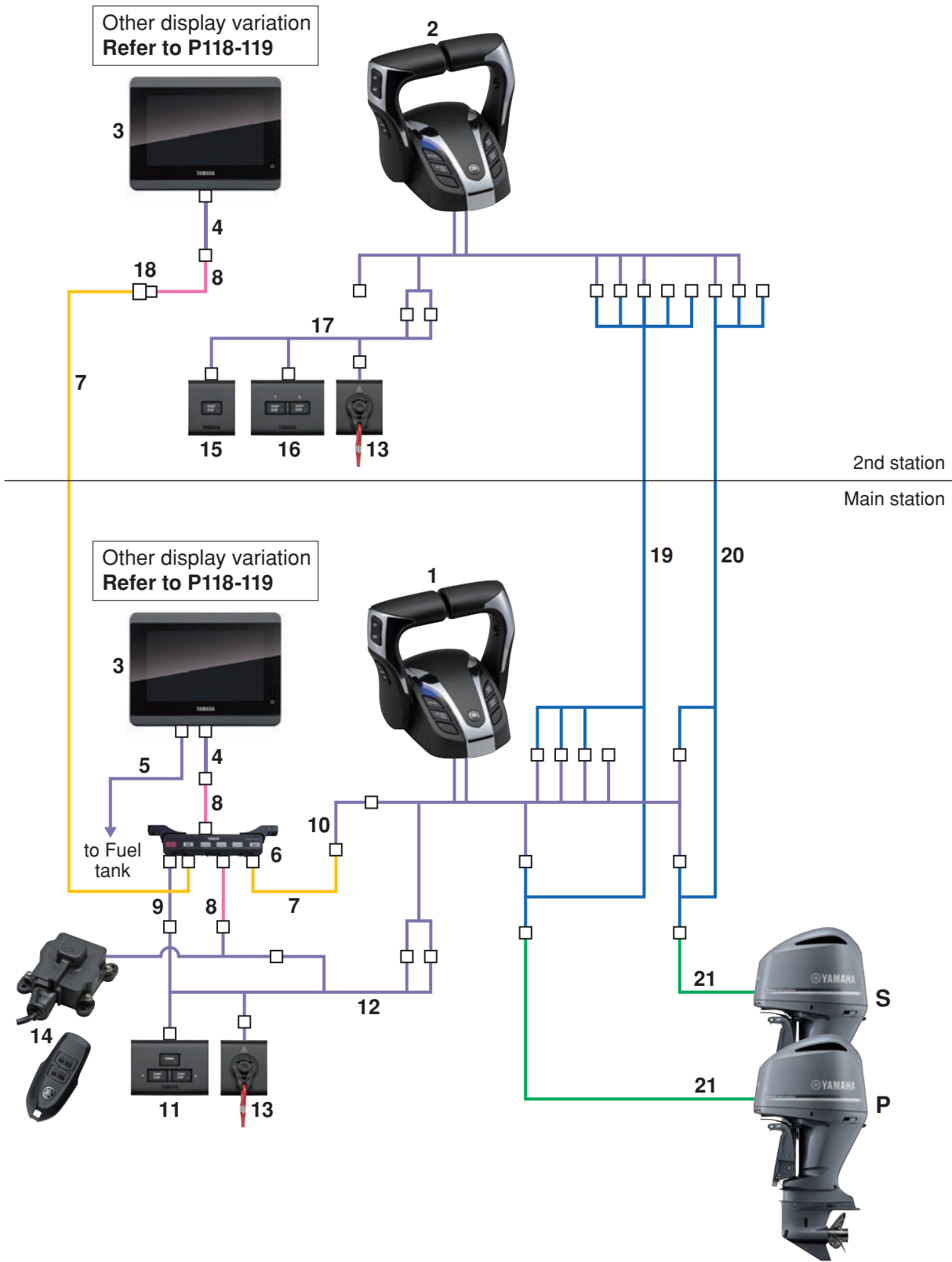
3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

6) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

- TWIN
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- EKS
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00		1	
2	6X9 multiple DEC	6X9-48207-10		1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
3	. CL5 display	6YM-83710-10	1	6YM-83710-10	1
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	EKS kit	6X9-762B0-11	1	6X9-762B0-51	1
11	. Power SW	6X9-82570-10	1	6X9-82570-10	1
12	. EKS harness	6X9-82716-31	1	6X9-82716-31	1
13	. Emergency stop SW	6X9-82570-80	1	6X9-82570-80	1
14	. Key fob and receiver assy	6X9-86254-00	1	—	Radio frequency 433 MHz, Key fob: 2 pcs.
		—	—	6X9-86254-10	1
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1
	EKS kit	6X9-762B0-90	1	—	Radio frequency 315 MHz, Key fob: 2 pcs.
15	. All start/ stop SW	6X9-82570-B0	1	—	0.6 m (2 ft)
16	. Individual start/ stop SW	6X9-82570-30	1	—	2nd station
17	. EKS harness	6X9-82716-70	1	—	
13	. Emergency stop SW	6X9-82570-80	1	—	
3	CL5 display	6YM-83710-10	1	—	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	—	0.9 m (3 ft)
18	Single-hub	6Y8-81920-11	1	—	
8	Pigtail bus wire	See list 3)	1	—	
7	Main bus wire	See list 2)	1	—	
19	2nd helm harness (Port)	See list 4)	1	—	
20	2nd helm harness (Stbd)	See list 5)	1	—	
21	Main-harness (16P)	See list 1)	2	—	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

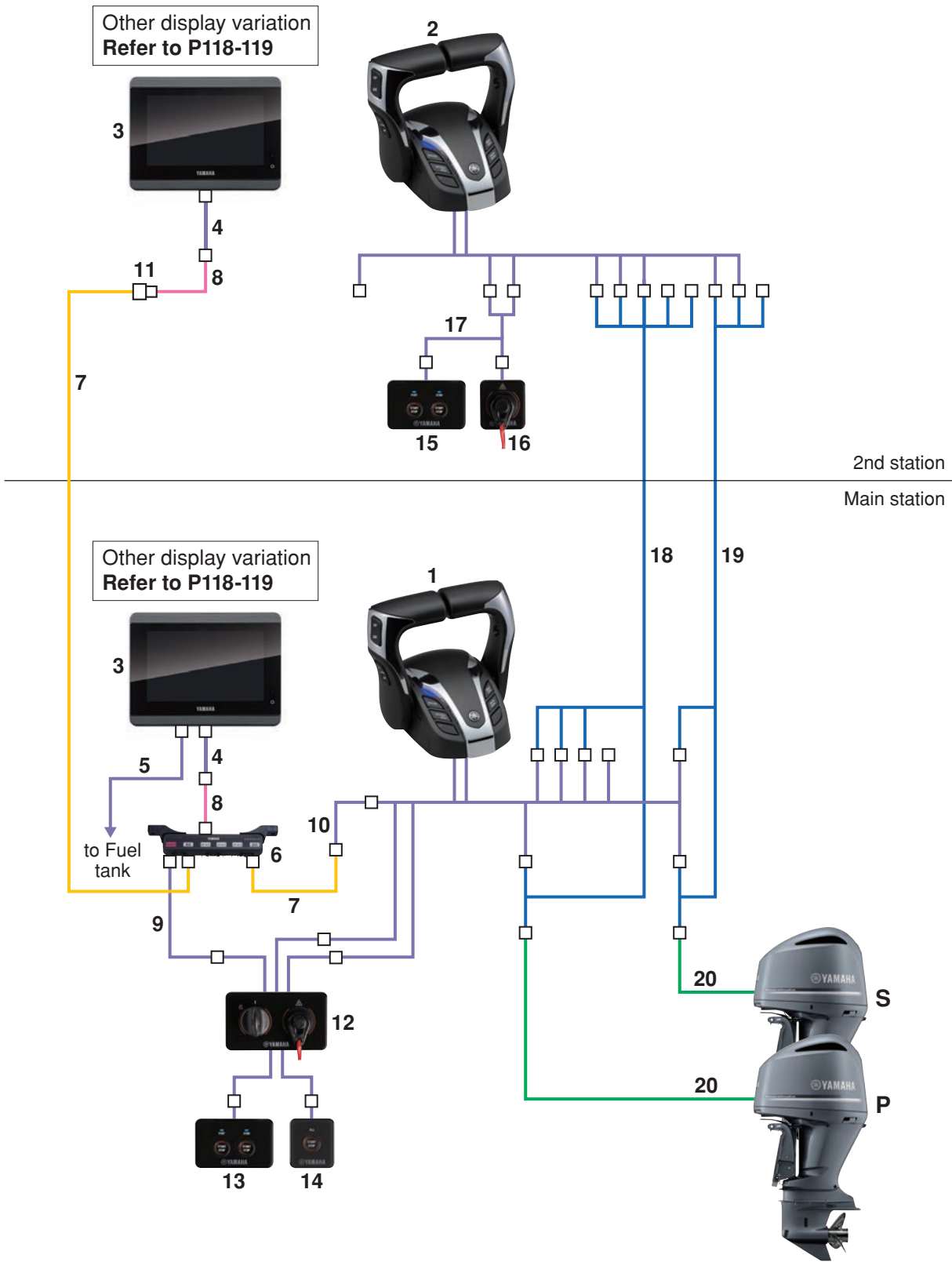
4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

- TWIN
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
	SW kit	6X6-762B0-00	1	
12	. Main SW	6X6-82570-40	1	
13	. Twin start/ stop SW	6X6-82570-60	1	
14	All start/ stop SW	6X6-82570-D0	1	
15	Twin start/ stop SW	6X6-82570-E0	1	2nd station
16	Emergency stop SW	6X6-82570-90	1	2nd station
17	Conversion harness	6X9-83553-30	1	DEC to conventional SW
18	2nd helm harness (Port)	See list 4)	1	
19	2nd helm harness (Stbd)	See list 5)	1	
20	Main-harness (16P)	See list 1)	2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

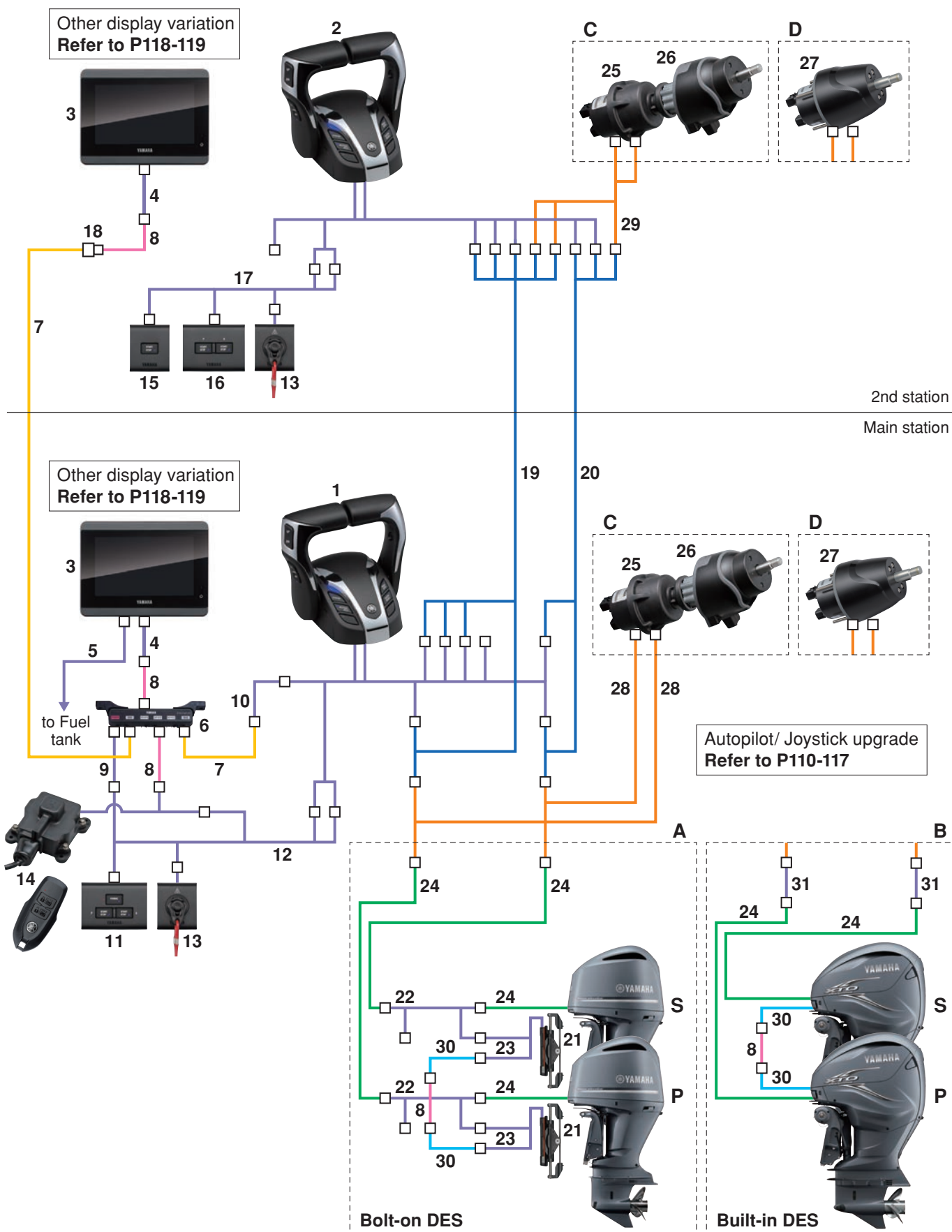
4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

TWIN ENGINE	6X9 DEC TM	CL5 DISPLAY	EKS SWITCH	DES STEERING	DUAL STATION
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Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
	EKS kit	6X9-762B0-11	1	6X9-762B0-51
11	. Power SW	6X9-82570-10	1	6X9-82570-10
12	. EKS harness	6X9-82716-31	1	6X9-82716-31
13	. Emergency stop SW	6X9-82570-80	1	6X9-82570-80
14	. Key fob and receiver assy	6X9-86254-00	1	—
		—	—	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	EKS kit	6X9-762B0-90	1	6X9-762B0-51
15	. All start/ stop SW	6X9-82570-B0	1	6X9-82570-30
16	. Individual start/ stop SW	6X9-82570-30	1	6X9-82570-30
17	. EKS harness	6X9-82716-70	1	6X9-82716-70
13	. Emergency stop SW	6X9-82570-80	1	6X9-82570-80
3	CL5 display	6YM-83710-10	1	6YM-83710-10
4	Conversion harness	6YM-83553-00	1	6YM-83553-00
18	Single-hub	6Y8-81920-11	1	6Y8-81920-11
8	Pigtail bus wire	See list 3)	2	See list 3)
7	Main bus wire	See list 2)	1	See list 2)
19	2nd helm harness (Port)	See list 6)	1	See list 6)
20	2nd helm harness (Stbd)	See list 7)	1	See list 7)
	Steering kit	6X9-762S0-00	2	6X9-762S0-00
21	. Bolt-on steering actuator	6X9-42401-00	1	6X9-42401-00
22	. Split harness	6X9-8258A-90	1	6X9-8258A-90
23	Steering actuator harness	See list 8)	2	See list 8)
24	Main-harness (16P)	See list 1)	2	See list 1)
	Helm and tilt kit	6GR-762H0-00	2	6GR-762H0-00
25	. Helm unit assy	6GR-615A0-00	1	6GR-615A0-00
26	. Tilt helm unit	6GR-615A4-00	1	6GR-615A4-00
D	27 Helm unit assy	6X9-762H0-00	2	6X9-762H0-00
28	Helm harness (Main/ Multi)	See list 5)	2	See list 5)
29	Helm harness (2nd station)	6X9-8258A-B0	1	6X9-8258A-B0
30	SCU link harness (Port/ Stbd)	See list 4)	2	See list 4)
24	Main-harness (16P)	See list 1)	2	See list 1)
31	Extension harness	6GR-8258A-V0	2	6GR-8258A-V0

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

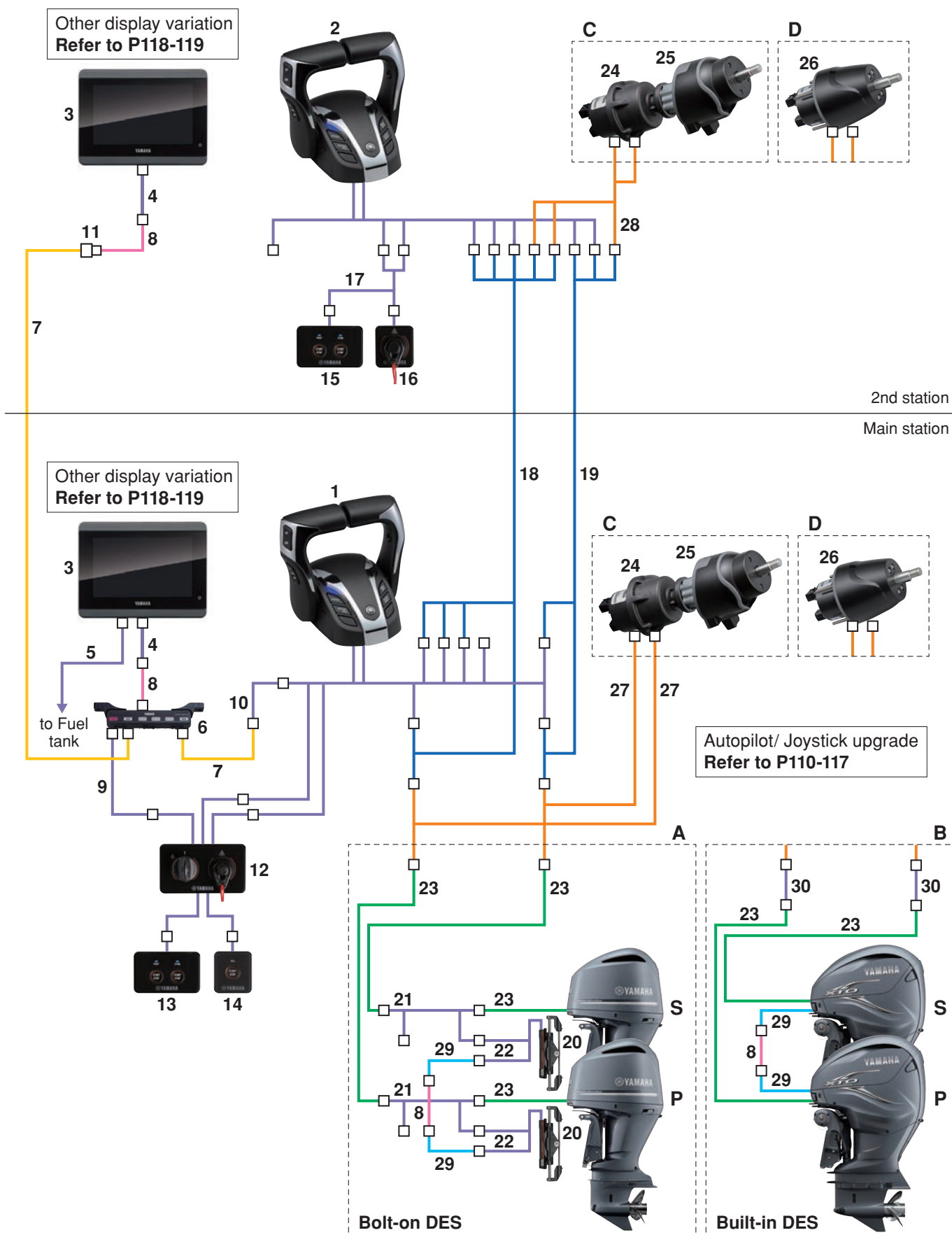
7) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

8) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

TWIN ENGINE	6X9 DEC TM	CL5 DISPLAY	6X6 SWITCH	DES STEERING	DUAL STATION
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Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 twin DEC	6X9-48207-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	2	
7	Main bus wire	See list 2)	1	
	SW kit	6X6-762B0-00	1	
12	. Main SW	6X6-82570-40	1	
13	. Twin start/ stop SW	6X6-82570-60	1	
14	All start/ stop SW	6X6-82570-D0	1	
15	Twin start/ stop SW	6X6-82570-E0	1	2nd station
16	Emergency stop SW	6X6-82570-90	1	2nd station
17	Conversion harness	6X9-83553-30	1	DEC to conventional SW
18	2nd helm harness (Port)	See list 6)	1	
19	2nd helm harness (Stbd)	See list 7)	1	
	Steering kit	6X9-762S0-00	2	
20	. Bolt-on steering actuator	6X9-42401-00	1	
21	. Split harness	6X9-8258A-90	1	SCU to 16-pin
22	Steering actuator harness	See list 8)	2	
23	Main-harness (16P)	See list 1)	2	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
24	. Helm unit assy	6GR-615A0-00	1	
25	. Tilt helm unit	6GR-6154A-00	1	
26	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
27	Helm harness (Main/ Multi)	See list 5)	2	
28	Helm harness (2nd station)	6X9-8258A-B0	1	0.9 m (3 ft)
29	SCU link harness (Port/ Stbd)	See list 4)	2	
23	Main-harness (16P)	See list 1)	2	
30	Extension harness	6GR-8258A-V0	2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

5) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

6) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

8) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

TRIPLE
ENGINE

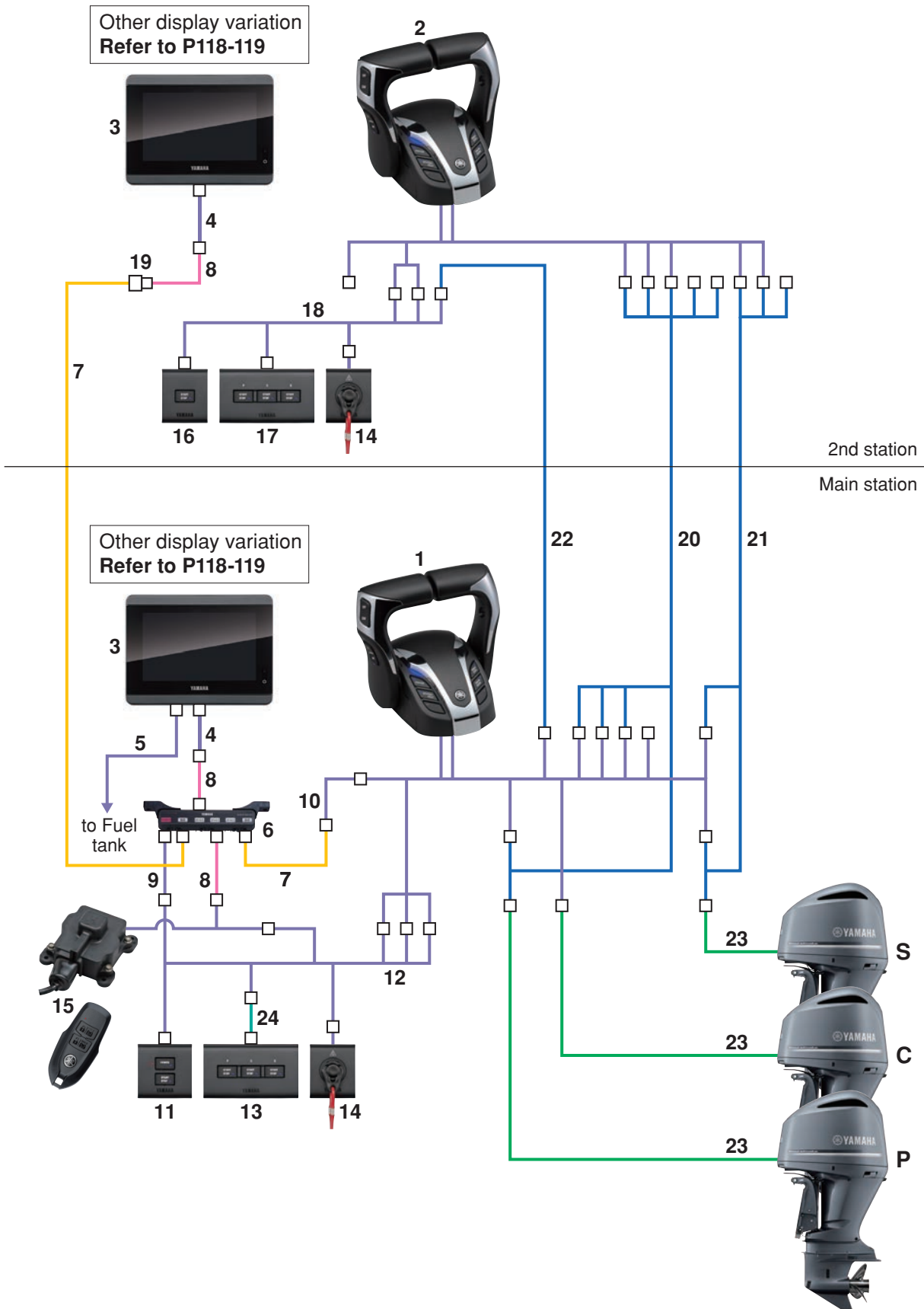
6X9
DEC TM

CL5
DISPLAY

EKS
SWITCH

DES
STEERING

DUAL
STATION



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Parts order list for basic installation: NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
	EKS kit	6X9-762B0-21	1	6X9-762B0-61
11	. Power SW	6X9-82570-00	1	6X9-82570-00
12	. EKS harness	6X9-82716-41	1	6X9-82716-41
13	. Individual start/ stop SW	6X9-82570-40	1	6X9-82570-40
14	. Emergency stop SW	6X9-82570-C0	1	6X9-82570-C0
15	. Key fob and receiver assy	6X9-86254-00	1	-
		-	-	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	EKS kit	6X9-762B0-A0	1	6X9-762B0-A0
16	. All start/ stop SW	6X9-82570-B0	1	6X9-82570-B0
17	. Individual start/ stop SW	6X9-82570-40	1	6X9-82570-40
18	. EKS harness	6X9-82716-80	1	6X9-82716-80
14	. Emergency stop SW	6X9-82570-C0	1	6X9-82570-C0
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
19	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
19	Single-hub	6Y8-81920-11	1	6Y8-81920-11
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
20	2nd helm harness (Port)	See list 4)	1	
21	2nd helm harness (Stbd)	See list 5)	1	
22	2nd helm harness (Center)	See list 6)	1	
23	Main-harness (16P)	See list 1)	3	
24	EKS harness extension	See list 7)	1	Optional harness for remote panel installation.

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

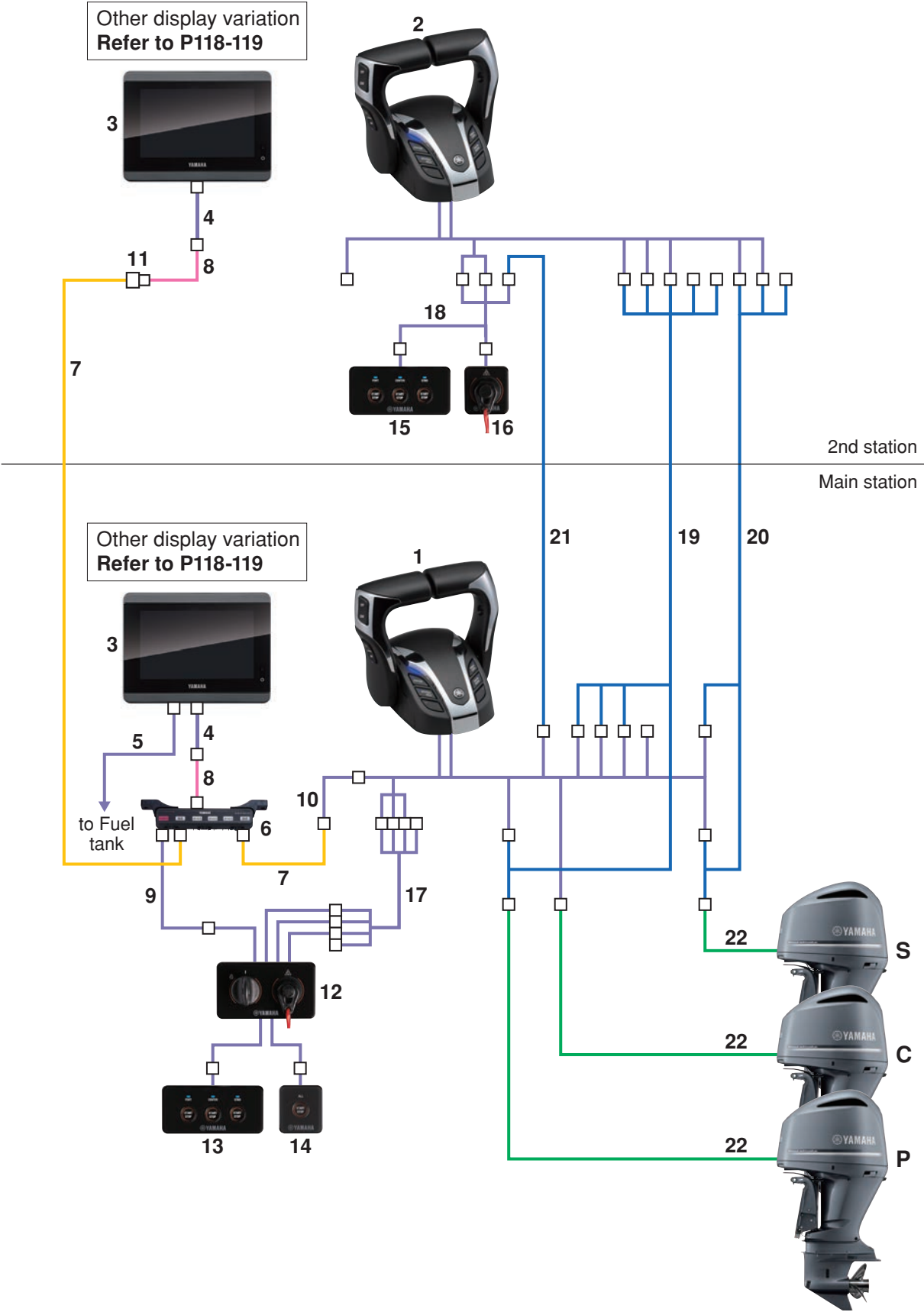
6) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

7) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

- TRIPLE
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
	SW kit	6X6-762B0-10	1	
12	. Main SW	6X6-82570-50	1	
13	. Triple start/ stop SW	6X6-82570-70	1	
14	All start/ stop SW	6X6-82570-D0	1	
15	Triple start/ stop SW	6X6-82570-F0	1	2nd station
16	Emergency stop SW	6X6-82570-90	1	2nd station
17	Conversion harness	6X9-83553-60	1	DEC to conventional SW
18	Conversion harness	6X9-83553-40	1	DEC to conventional SW
19	2nd helm harness (Port)	See list 4)	1	
20	2nd helm harness (Stbd)	See list 5)	1	
21	2nd helm harness (Center)	See list 6)	1	
22	Main-harness (16P)	See list 1)	3	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

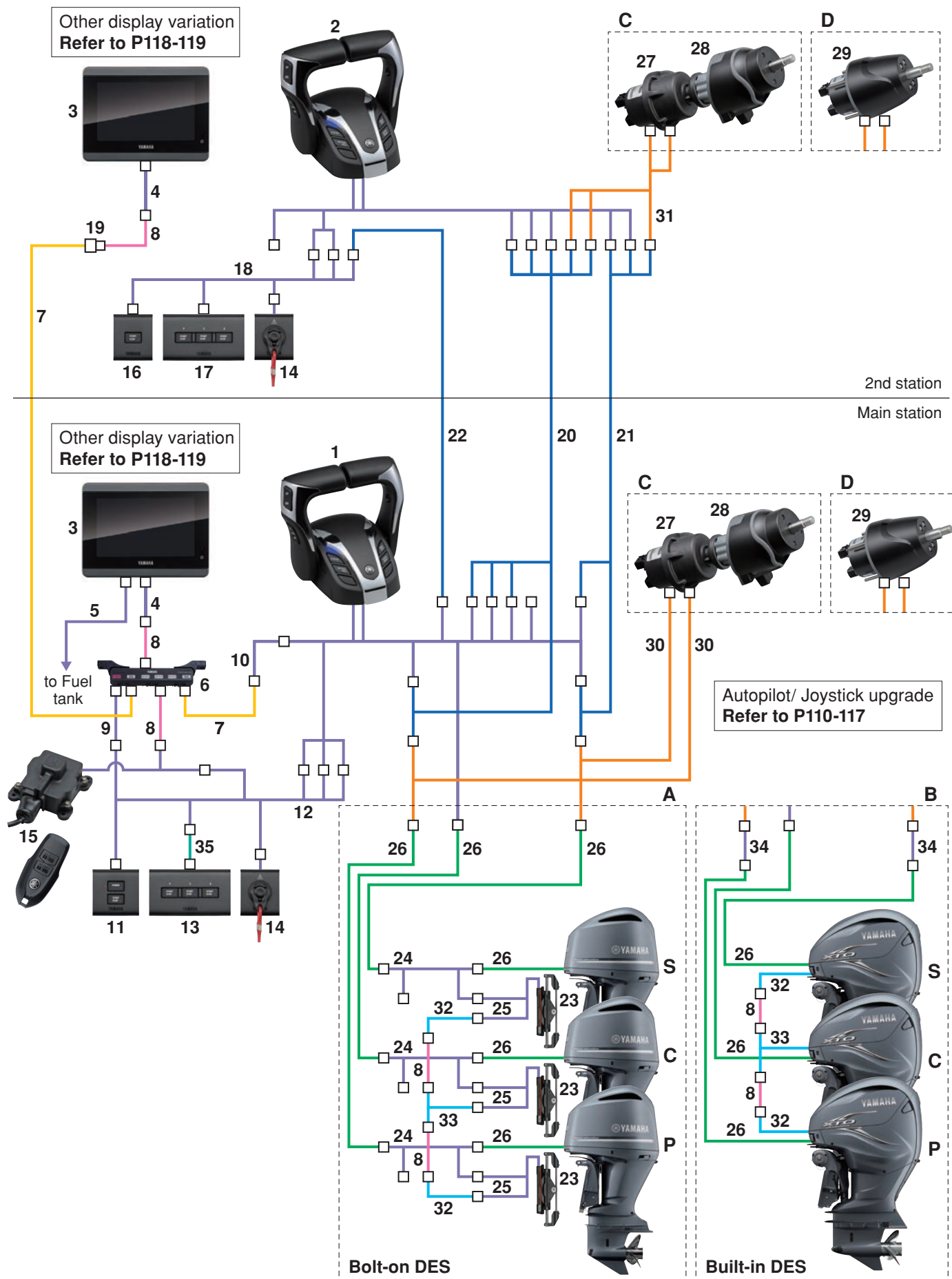
5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

6) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

TRIPLE ENGINE	6X9 DEC TM	CL5 DISPLAY	EKS SWITCH	DES STEERING	DUAL STATION
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Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
	EKS kit	6X9-762B0-21	1	6X9-762B0-61
11	. Power SW	6X9-82570-00	1	6X9-82570-00
12	. EKS harness	6X9-82716-41	1	6X9-82716-41
13	. Individual start/ stop SW	6X9-82570-40	1	6X9-82570-40
14	. Emergency stop SW	6X9-82570-C0	1	6X9-82570-C0
15	. Key fob and receiver assy	6X9-86254-00	1	—
		—	—	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	EKS kit	6X9-762B0-A0	1	6X9-762B0-61
16	. All start/ stop SW	6X9-82570-B0	1	6X9-82570-B0
17	. Individual start/ stop SW	6X9-82570-40	1	6X9-82570-40
18	. EKS harness	6X9-82716-80	1	6X9-82716-80
14	. Emergency stop SW	6X9-82570-C0	1	6X9-82570-C0
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
19	Single-hub	6Y8-81920-11	1	6Y8-81920-11
8	Pigtail bus wire	See list 3)	3	See list 3)
7	Main bus wire	See list 2)	1	See list 2)
20	2nd helm harness (Port)	See list 7)	1	See list 7)
21	2nd helm harness (Stbd)	See list 8)	1	See list 8)
22	2nd helm harness (Center)	See list 9)	1	See list 9)
	Steering kit	6X9-762S0-00	3	6X9-762S0-00
23	. Bolt-on steering actuator	6X9-42401-00	1	6X9-42401-00
24	. Split harness	6X9-8258A-90	1	6X9-8258A-90
25	Steering actuator harness	See list 10)	3	See list 10)
26	Main-harness (16P)	See list 1)	3	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	6GR-762H0-00
C	. Helm unit assy	6GR-615A0-00	1	6GR-615A0-00
28	. Tilt helm unit	6GR-6154A-00	1	6GR-6154A-00
D	. Helm unit assy	6X9-762H0-00	2	6X9-762H0-00
30	Helm harness (Main/ Multi)	See list 6)	2	See list 6)
31	Helm harness (2nd station)	6X9-8258A-B0	1	6X9-8258A-B0
32	SCU link harness (Port/ Stbd)	See list 4)	2	See list 4)
33	SCU link harness (Center)	See list 5)	1	See list 5)
26	Main-harness (16P)	See list 1)	3	See list 1)
34	Extension harness	6GR-8258A-V0	2	6GR-8258A-V0
35	EKS harness extension	See list 11)	1	See list 11)

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)

Part number	Remarks
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

5) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

8) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

6) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

9) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

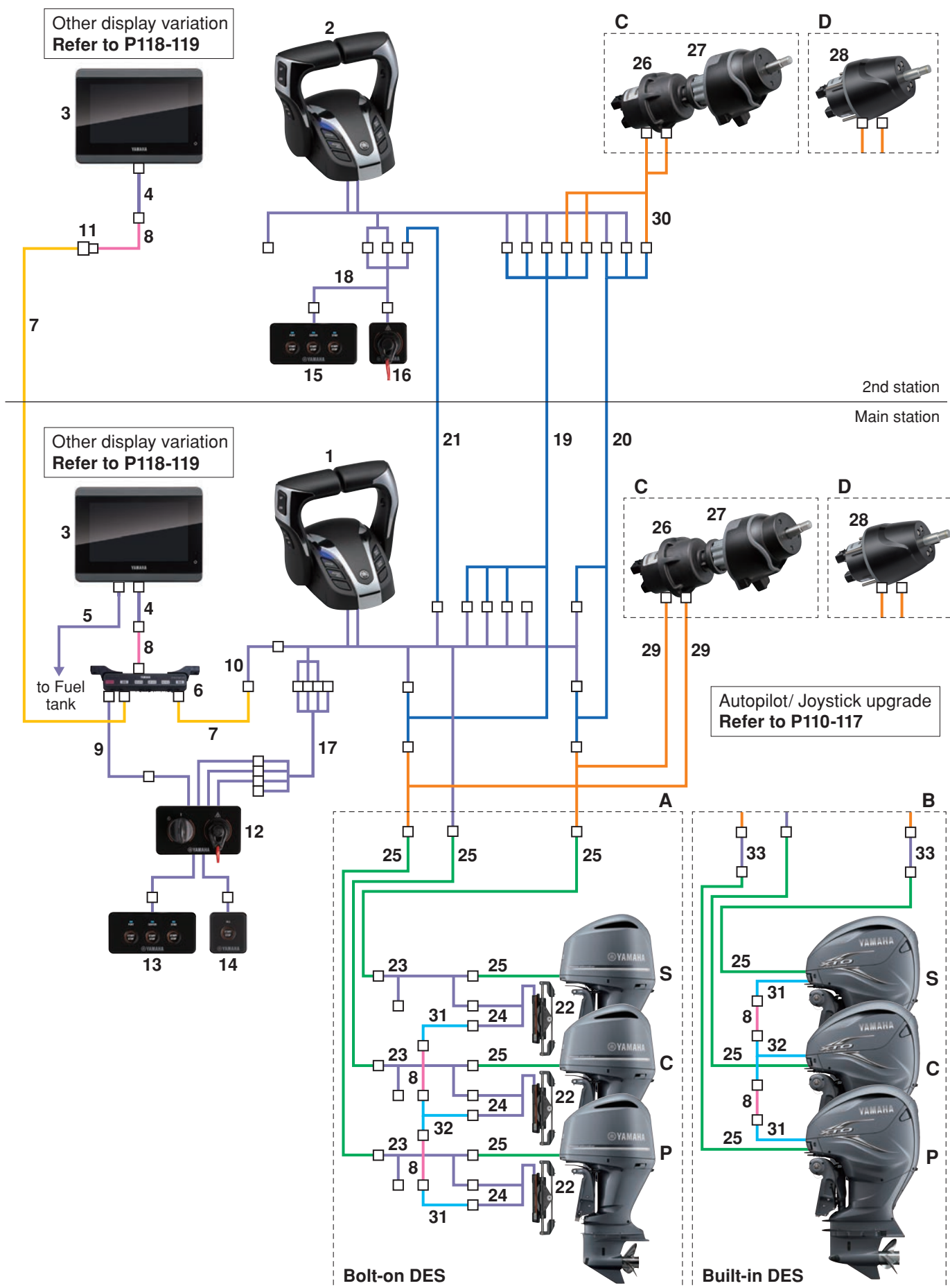
10) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

11) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

TRIPLE ENGINE	6X9 DEC TM	CL5 DISPLAY	6X6 SWITCH	DES STEERING	DUAL STATION
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Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 triple DEC	6X9-48208-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	No Wi-Fi
4	. Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
5	. Fuel tank wire	6YD-8356N-00	1	
6	. Multi-hub	6Y8-81920-01	1	
7	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
8	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
9	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
10	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	3	
7	Main bus wire	See list 2)	1	
	SW kit	6X6-762B0-10	1	
12	. Main SW	6X6-82570-50	1	
13	. Triple start/ stop SW	6X6-82570-70	1	
14	All start/ stop SW	6X6-82570-D0	1	
15	Triple start/ stop SW	6X6-82570-F0	1	2nd station
16	Emergency stop SW	6X6-82570-90	1	2nd station
17	Conversion harness	6X9-83553-60	1	DEC to conventional SW
18	Conversion harness	6X9-83553-40	1	DEC to conventional SW
19	2nd helm harness (Port)	See list 7)	1	
20	2nd helm harness (Stbd)	See list 8)	1	
21	2nd helm harness (Center)	See list 9)	1	
	Steering kit	6X9-762S0-00	3	
22	. Bolt-on steering actuator	6X9-42401-00	1	
23	. Split harness	6X9-8258A-90	1	SCU to 16-pin
24	Steering actuator harness	See list 10)	3	
25	Main-harness (16P)	See list 1)	3	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
26	. Helm unit assy	6GR-615A0-00	1	
27	. Tilt helm unit	6GR-6154A-00	1	
28	Helm unit assy	6X9-762H0-00	2	Main station, 2nd station
29	Helm harness (Main/ Multi)	See list 6)	2	
30	Helm harness (2nd station)	6X9-8258A-B0	1	
31	SCU link harness (Port/ Stbd)	See list 4)	2	
32	SCU link harness (Center)	See list 5)	1	
25	Main-harness (16P)	See list 1)	3	
33	Extension harness	6GR-8258A-V0	2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)

Part number	Remarks
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

5) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

6) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

7) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

8) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

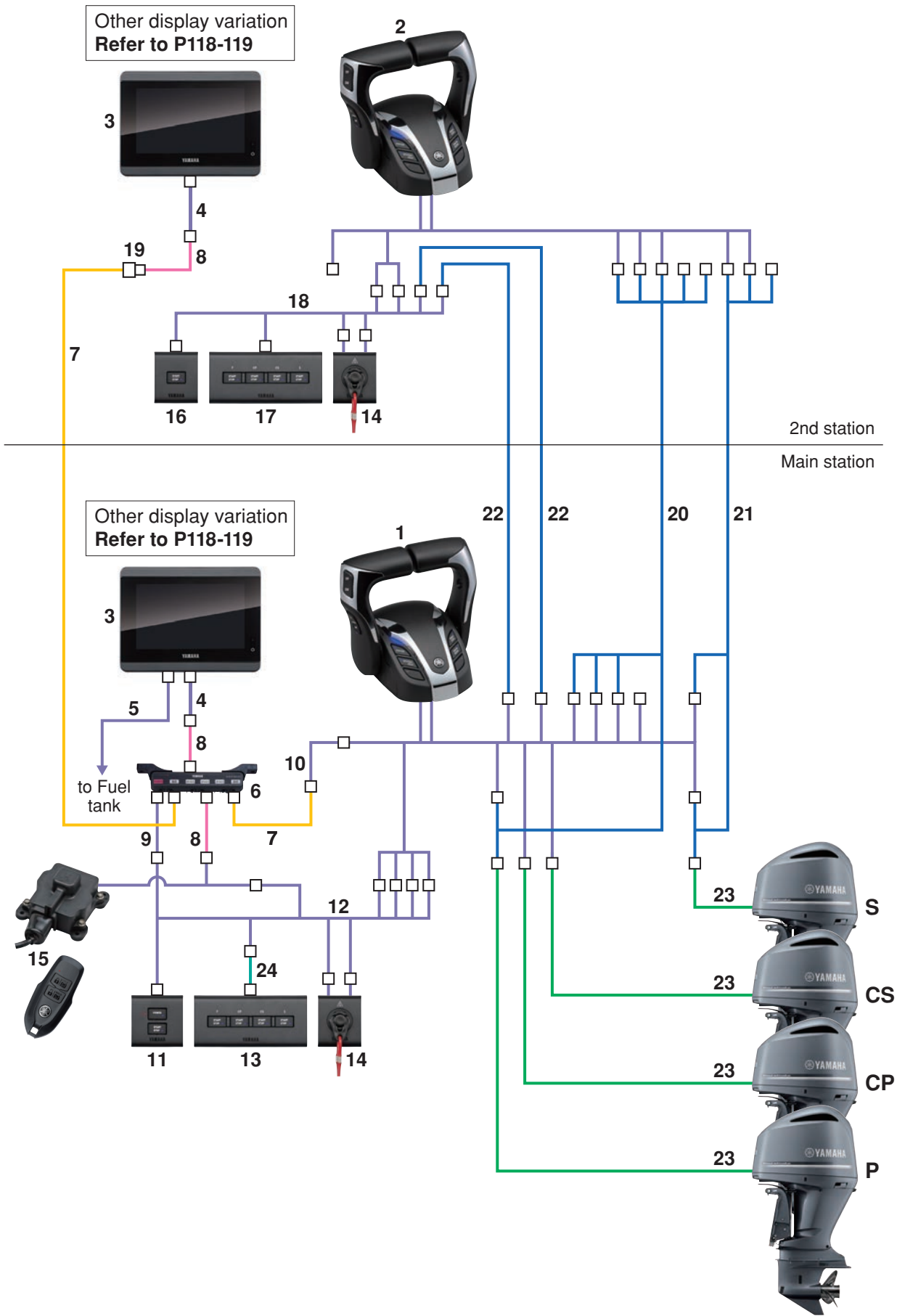
9) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

10) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

- QUAD
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- EKS
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number		Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00		1	
2	6X9 multiple DEC	6X9-48207-10		1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00	1
3	. CL5 display	6YM-83710-10	1	6YM-83710-10	1
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00	1
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00	1
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01	1
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01	1
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31	1
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01	1
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00	1
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11	2
	. Speed sensor kit	60V-8A4L1-1A	1	—	—
	EKS kit	6X9-762B0-31	1	6X9-762B0-71	1
11	. Power SW	6X9-82570-00	1	6X9-82570-00	1
12	. EKS harness	6X9-82716-91	1	6X9-82716-91	1
13	. Individual start/ stop SW	6X9-82570-50	1	6X9-82570-50	1
14	. Emergency stop SW	6X9-82570-D0	1	6X9-82570-D0	1
15	. Key fob and receiver assy	6X9-86254-00	1	—	—
		—	—	6X9-86254-10	1
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1
	EKS kit	6X9-762B0-B0	1	—	—
16	. All start/ stop SW	6X9-82570-B0	1	—	—
17	. Individual start/ stop SW	6X9-82570-50	1	—	—
18	. EKS harness	6X9-82716-A0	1	—	—
14	. Emergency stop SW	6X9-82570-D0	1	—	—
3	CL5 display	6YM-83710-10	1	—	—
4	Conversion harness	6YM-83553-00	1	—	—
19	Single-hub	6Y8-81920-11	1	—	—
8	Pigtail bus wire	See list 3)	1	—	—
7	Main bus wire	See list 2)	1	—	—
20	2nd helm harness (Port)	See list 4)	1	—	—
21	2nd helm harness (Stbd)	See list 5)	1	—	—
22	2nd helm harness (Center)	See list 6)	2	—	—
23	Main-harness (16P)	See list 1)	4	—	—
24	EKS harness extension	See list 7)	1	—	—

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

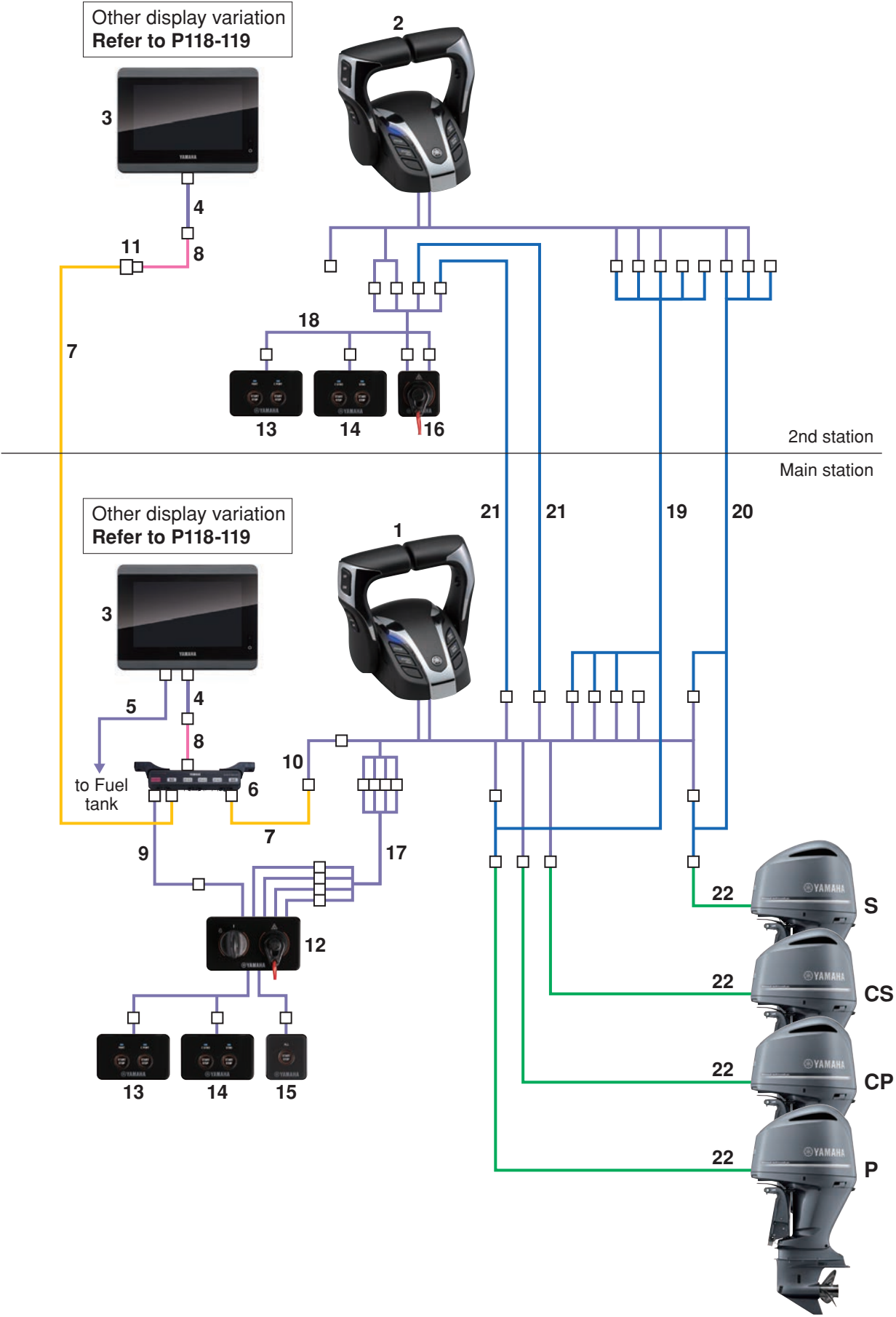
6) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

7) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

- QUAD
ENGINE
- 6X9
DEC TM
- CL5
DISPLAY
- 6X6
SWITCH
- DES
STEERING
- DUAL
STATION



MEMO

Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	1	
7	Main bus wire	See list 2)	1	
12	Main SW	6X6-82570-G0	1	
13	Start/ stop button	6X6-82570-J0	2	P/ CP, Main station, 2nd station
14	Start/ stop button	6X6-82570-K0	2	S/ CS, Main station, 2nd station
15	All start/ stop SW	6X6-82570-D0	1	
16	Emergency stop SW	6ES-82570-00	1	2nd station
17	Conversion harness	6X9-83553-60	1	DEC to conventional SW
18	Conversion harness	6X9-83553-50	1	DEC to conventional SW
19	2nd helm harness (Port)	See list 4)	1	
20	2nd helm harness (Stbd)	See list 5)	1	
21	2nd helm harness (Center)	See list 6)	2	
22	Main-harness (16P)	See list 1)	4	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

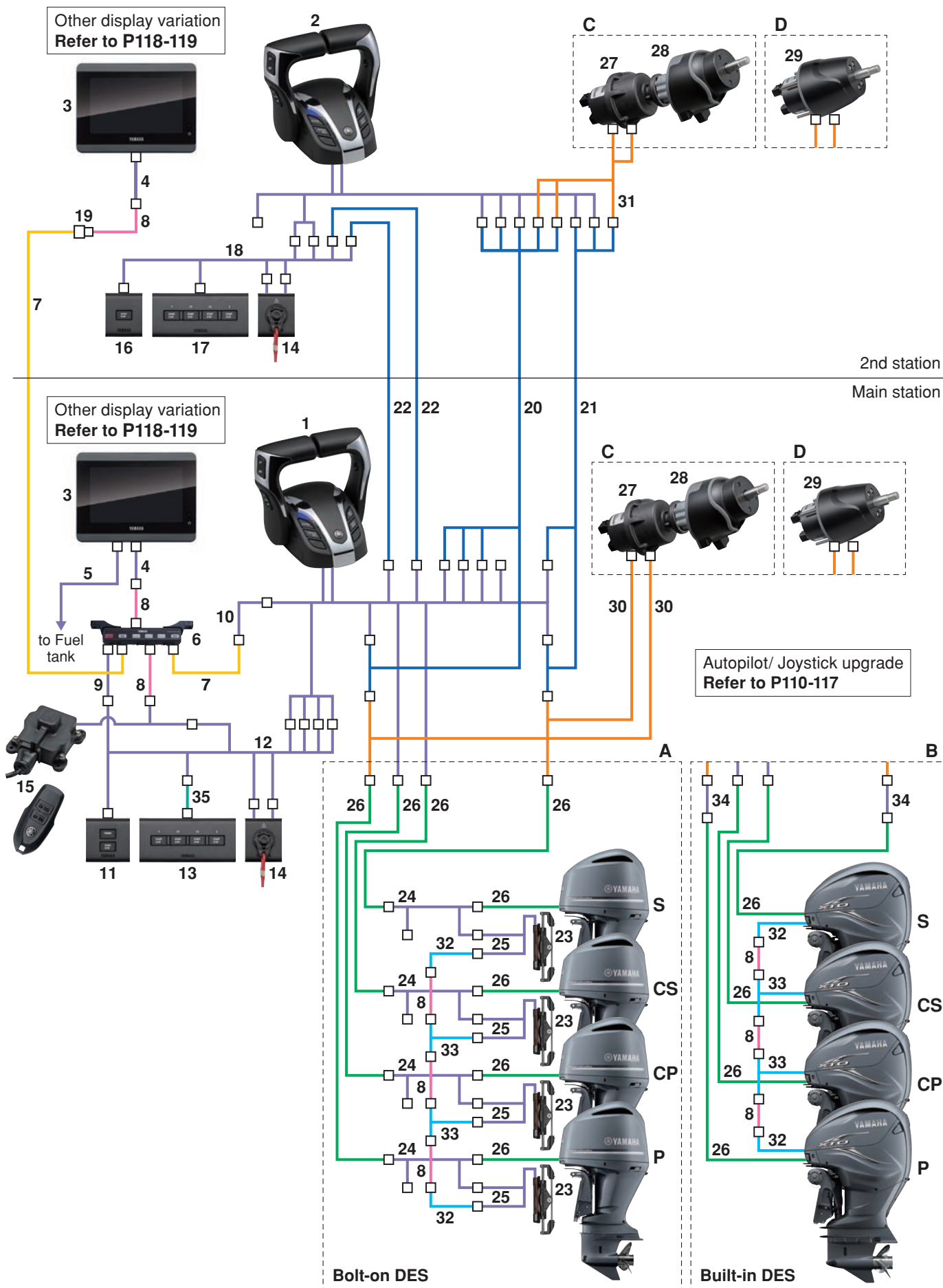
5) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

6) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

QUAD ENGINE	6X9 DEC TM	CL5 DISPLAY	EKS SWITCH	DES STEERING	DUAL STATION
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Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	—
	EKS kit	6X9-762B0-31	1	6X9-762B0-71
11	. Power SW	6X9-82570-00	1	6X9-82570-00
12	. EKS harness	6X9-82716-91	1	6X9-82716-91
13	. Individual start/ stop SW	6X9-82570-50	1	6X9-82570-50
14	. Emergency stop SW	6X9-82570-D0	1	6X9-82570-D0
15	. Key fob and receiver assy	6X9-86254-00	1	—
		—	—	6X9-86254-10
8	. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11
	EKS kit	6X9-762B0-B0	1	6X9-762B0-71
16	. All start/ stop SW	6X9-82570-B0	1	6X9-82570-B0
17	. Individual start/ stop SW	6X9-82570-50	1	6X9-82570-50
18	. EKS harness	6X9-82716-A0	1	6X9-82716-A0
14	. Emergency stop SW	6X9-82570-D0	1	6X9-82570-D0
3	CL5 display	6YM-83710-10	1	6YM-83710-10
4	Conversion harness	6YM-83553-00	1	6YM-83553-00
19	Single-hub	6Y8-81920-11	1	6Y8-81920-11
8	Pigtail bus wire	See list 3)	4	See list 3)
7	Main bus wire	See list 2)	1	See list 2)
20	2nd helm harness (Port)	See list 7)	1	See list 7)
21	2nd helm harness (Stbd)	See list 8)	1	See list 8)
22	2nd helm harness (Center)	See list 9)	2	See list 9)
	Steering kit	6X9-762S0-00	4	6X9-762S0-00
23	. Bolt-on steering actuator	6X9-42401-00	1	6X9-42401-00
24	. Split harness	6X9-8258A-90	1	6X9-8258A-90
25	Steering actuator harness	See list 10)	4	See list 10)
26	Main-harness (16P)	See list 1)	4	See list 1)
	Helm and tilt kit	6GR-762H0-00	2	6GR-762H0-00
27	. Helm unit assy	6GR-615A0-00	1	6GR-615A0-00
28	. Tilt helm unit	6GR-6154A-00	1	6GR-6154A-00
29	Helm unit assy	6X9-762H0-00	2	6X9-762H0-00
30	Helm harness (Main/ Multi)	See list 6)	2	See list 6)
31	Helm harness (2nd station)	6X9-8258A-B0	1	6X9-8258A-B0
32	SCU link harness (Port/ Stbd)	See list 4)	2	See list 4)
33	SCU link harness (Center)	See list 5)	2	See list 5)
26	Main-harness (16P)	See list 1)	4	See list 1)
34	Extension harness	6GR-8258A-V0	2	6GR-8258A-V0
35	EKS harness extension	See list 11)	1	See list 11)

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)

Part number	Remarks
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

5) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

8) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

6) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

9) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

10) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

11) EKS harness extension

Part number	Remarks
6X9-82586-00	4.6 m (15 ft)
6X9-82586-10	9.1 m (30 ft)

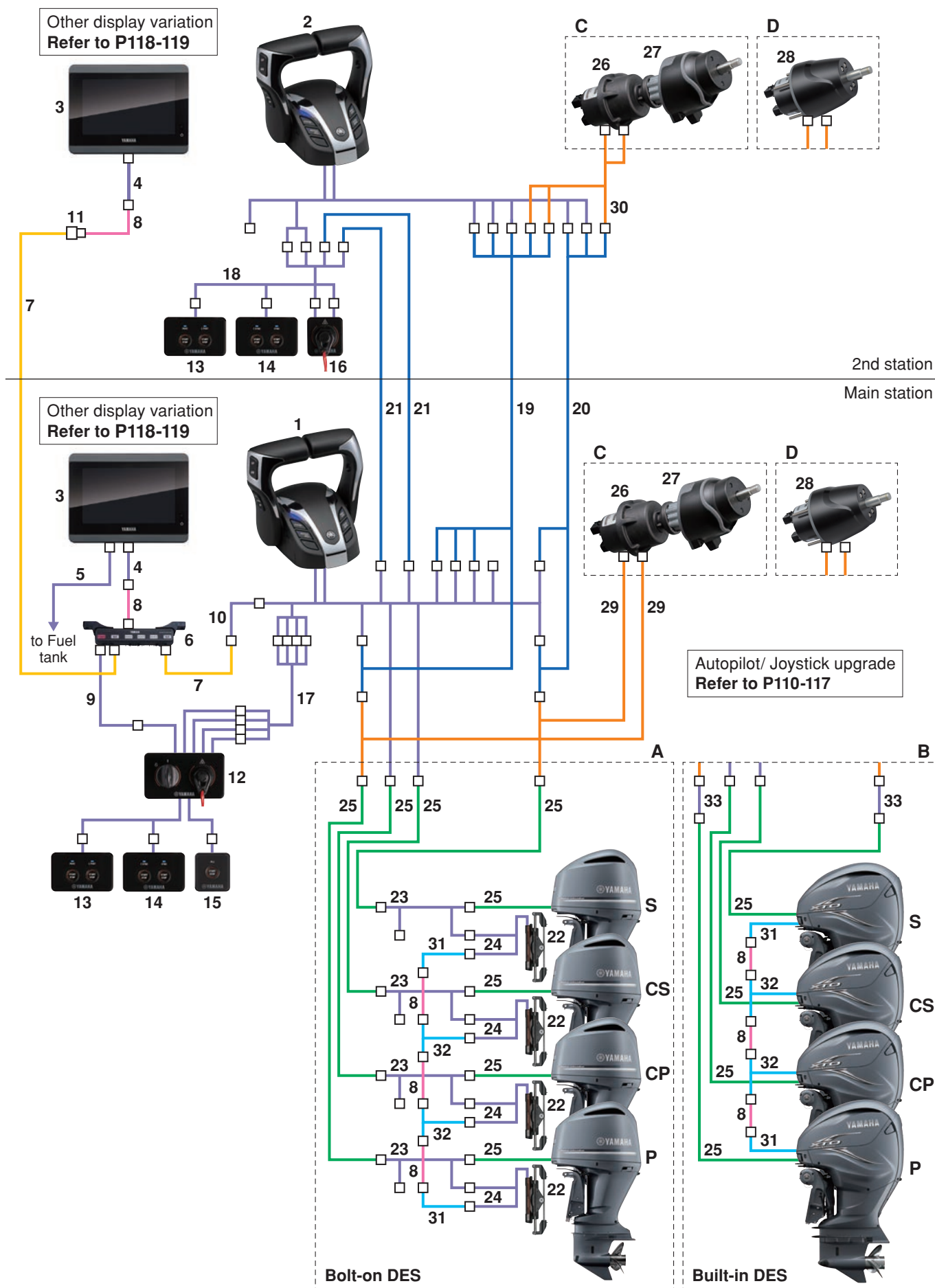
QUAD
ENGINE

6X9
DEC TM

CL5
DISPLAY

6X6
SWITCH

DES
STEERING

DUAL
STATION


Parts order list for basic installation:

NOTE: Only parts related to wiring diagrams shown.

Ref. No.	Part name	Part number	Q'ty	Remarks
1	6X9 quad DEC	6X9-48209-00	1	
2	6X9 multiple DEC	6X9-48207-10	1	2nd station
	Gauge kit	6YM-762G0-10	1	6YM-762G0-00
3	. CL5 display	6YM-83710-10	1	6YM-83710-10
4	. Conversion harness	6YM-83553-00	1	6YM-83553-00
5	. Fuel tank wire	6YD-8356N-00	1	6YD-8356N-00
6	. Multi-hub	6Y8-81920-01	1	6Y8-81920-01
7	. Main bus wire	6Y8-82553-01	1	6Y8-82553-01
8	. Pigtail bus wire	6Y8-82521-31	1	6Y8-82521-31
9	. System power supply wire	6Y8-83553-01	1	6Y8-83553-01
10	. Conversion harness	6Y9-83553-00	1	6Y9-83553-00
	. 4-pin waterproof cap	6Y8-82582-11	2	6Y8-82582-11
	. Speed sensor kit	60V-8A4L1-1A	1	-
3	CL5 display	6YM-83710-10	1	No Wi-Fi, 2nd station
4	Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
11	Single-hub	6Y8-81920-11	1	
8	Pigtail bus wire	See list 3)	4	
7	Main bus wire	See list 2)	1	
12	Main SW	6X6-82570-G0	1	
13	Start/ stop button	6X6-82570-J0	2	P/ CP, Main station, 2nd station
14	Start/ stop button	6X6-82570-K0	2	S/ CS, Main station, 2nd station
15	All start/ stop SW	6X6-82570-D0	1	
16	Emergency stop SW	6ES-82570-00	1	2nd station
17	Conversion harness	6X9-83553-60	1	DEC to conventional SW
18	Conversion harness	6X9-83553-50	1	DEC to conventional SW
19	2nd helm harness (Port)	See list 7)	1	
20	2nd helm harness (Stbd)	See list 8)	1	
21	2nd helm harness (Center)	See list 9)	2	
	Steering kit	6X9-762S0-00	4	
22	. Bolt-on steering actuator	6X9-42401-00	1	
23	. Split harness	6X9-8258A-90	1	SCU to 16-pin
24	Steering actuator harness	See list 10)	4	
25	Main-harness (16P)	See list 1)	4	Select from 1.5 m (5 ft) or 3.7 m (12 ft)
	Helm and tilt kit	6GR-762H0-00	2	Main station, 2nd station
26	. Helm unit Assy	6GR-615A0-00	1	
27	. Tilt helm unit	6GR-6154A-00	1	
28	Helm unit Assy	6X9-762H0-00	2	Main station, 2nd station
29	Helm harness (Main/ Multi)	See list 6)	2	
30	Helm harness (2nd station)	6X9-8258A-B0	1	0.9 m (3 ft)
31	SCU link harness (Port/ Stbd)	See list 4)	2	
32	SCU link harness (Center)	See list 5)	2	
25	Main-harness (16P)	See list 1)	4	
33	Extension harness	6GR-8258A-V0	2	

1) Main-harness (16P)

Part number	Remarks
6X6-8258A-90	1.5 m (5 ft)
6X6-8258A-50	3.7 m (12 ft)
6X6-8258A-60	5.2 m (17 ft)
6X6-8258A-00	6 m (19 ft)
6X6-8258A-10	7 m (23 ft)
6X6-8258A-20	8 m (26 ft)
6X6-8258A-30	10 m (32 ft)
6X6-8258A-40	12 m (39 ft)
6X6-8258A-70	15 m (49 ft)
6X6-8258A-80	24 m (79 ft)

4) SCU link harness (Port/ Stbd)

Part number	Remarks
6X9-81115-00	0.3 m (1 ft)
6GR-81115-00	1.5 m (5 ft)
6GR-81115-10	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

7) 2nd helm harness (Port)

Part number	Remarks
6X9-8258A-00	5 m (16 ft)
6X9-8258A-10	8 m (26 ft)
6X9-8258A-20	12 m (38 ft)

10) Steering actuator harness

Part number	Remarks
6X9-438A0-00	2.4 m (8 ft)
6X9-438A0-10	4.5 m (15 ft)

2) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

5) SCU link harness (Center)

Part number	Remarks
6X9-81115-10	0.3 m (1 ft)
6GR-81115-20	1.5 m (5 ft)
6GR-81115-30	3.0 m (10 ft)

NOTE:

For Built-in DES select from 1.5 m (5 ft) or 3.0 m (10 ft).

8) 2nd helm harness (Stbd)

Part number	Remarks
6X9-8258A-30	5 m (16 ft)
6X9-8258A-40	8 m (26 ft)
6X9-8258A-50	12 m (38 ft)

3) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)
6Y8-82521-21	0.9 m (3 ft)
6Y8-82521-31	1.8 m (6 ft)
6Y8-82521-41	2.7 m (9 ft)
6Y8-82521-51	3.6 m (12 ft)

6) Helm harness (Main/ Multi)

Part number	Remarks
6GR-8258A-10	0.9 m (3 ft)
6GR-8258A-50	1.8 m (6 ft)
6GR-8258A-60	2.7 m (9 ft)

9) 2nd helm harness (Center)

Part number	Remarks
6X9-8258A-60	5 m (16 ft)
6X9-8258A-70	8 m (26 ft)
6X9-8258A-80	12 m (38 ft)

Autopilot Upgrade Kit

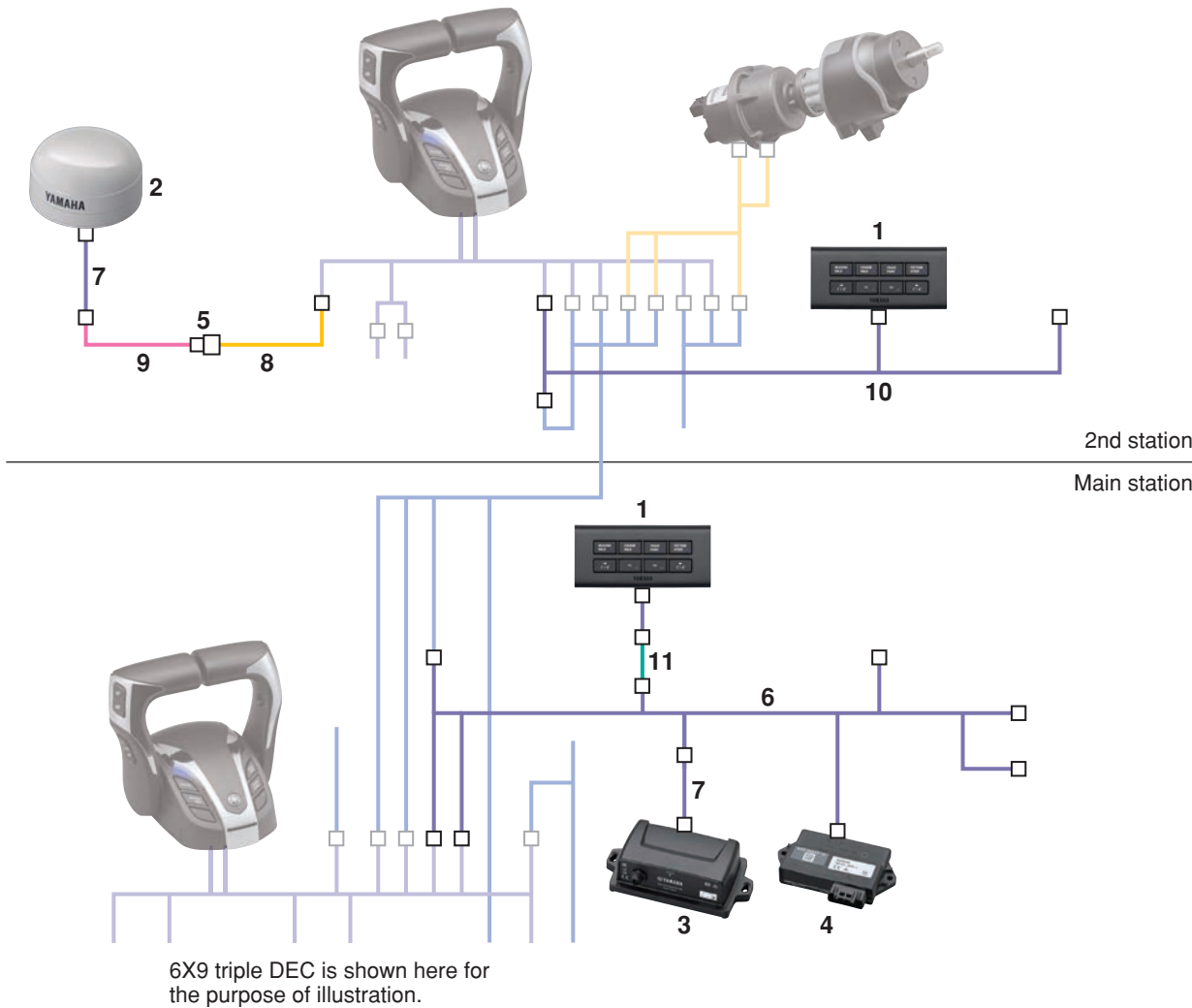
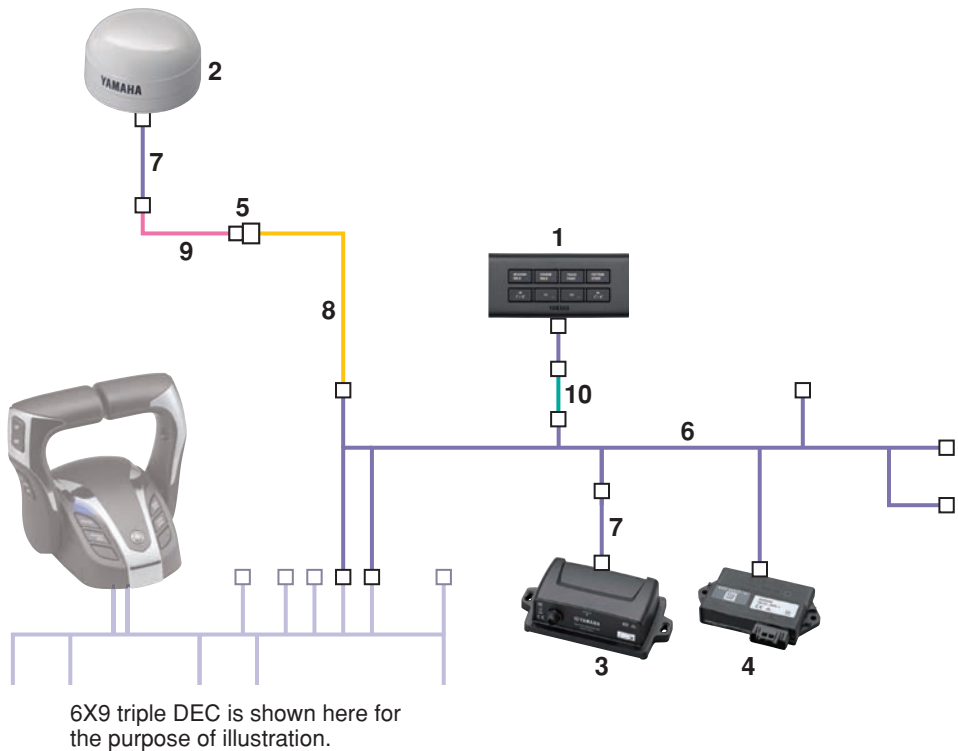
These kits work in conjunction with 6X9 DEC and DES.

SINGLE

STATION

DUAL

STATION



Ref. No.	Part name	Part number	Q'ty	Remarks
	Autopilot kit	6X9-762P0-01	1	Single to Quad engine
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-10	1	Autopilot and Single Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	Main bus wire	See list 1)	1	
9	Pigtail bus wire	See list 2)	1	
10	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

1) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)

NOTE:
Pigtail bus wire 0.9 m (3 ft) or longer is not applicable to GPS connection.

3) BCU harness extension

Part number	Remarks
6X9-82521-00	4.6 m (15 ft)
6X9-82521-10	9.1 m (30 ft)

Ref. No.	Part name	Part number	Q'ty	Remarks
	Autopilot kit	6X9-762P0-01	1	Single to Quad engine
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-10	1	Autopilot and Single Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	Main bus wire	See list 1)	1	
9	Pigtail bus wire	See list 2)	1	
	Autopilot kit	6X9-762P0-10	1	2nd station
1	. Autopilot panel	6X9-8253V-00	1	
10	. BCU harness	6X9-82386-10	1	DEC to Autopilot/ Joystick
11	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

1) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)

NOTE:
Pigtail bus wire 0.9 m (3 ft) or longer is not applicable to GPS connection.

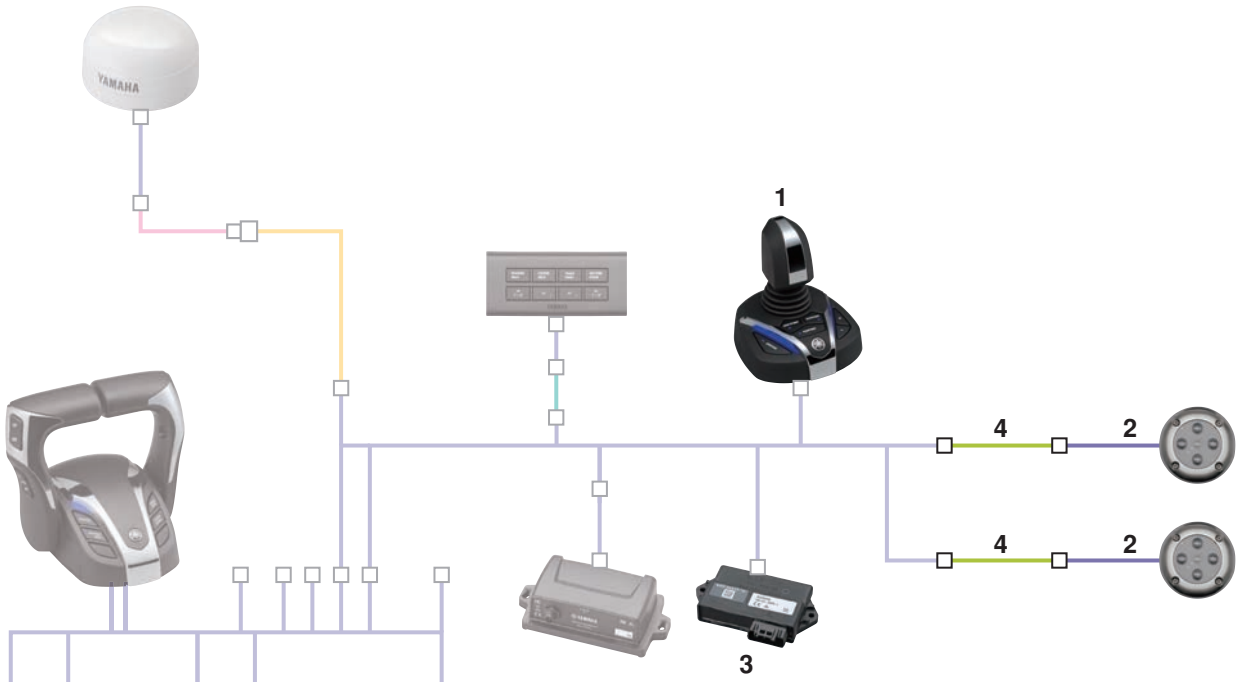
3) BCU harness extension

Part number	Remarks
6X9-82521-00	4.6 m (15 ft)
6X9-82521-10	9.1 m (30 ft)

Joystick Add-on Kit

These kits are used to add joystick later to the Autopilot fitted boat. Work in conjunction with 6X9 DEC and DES.

SINGLE
STATION



6X9 triple DEC is shown here for the purpose of illustration.

SINGLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-40	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
4	Extension harness	See list 1)	2	

TWIN ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-50	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-20	1	Autopilot and Twin Joystick
4	Extension harness	See list 1)	2	

TRIPLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-60	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-30	1	Autopilot and Triple Joystick
4	Extension harness	See list 1)	2	

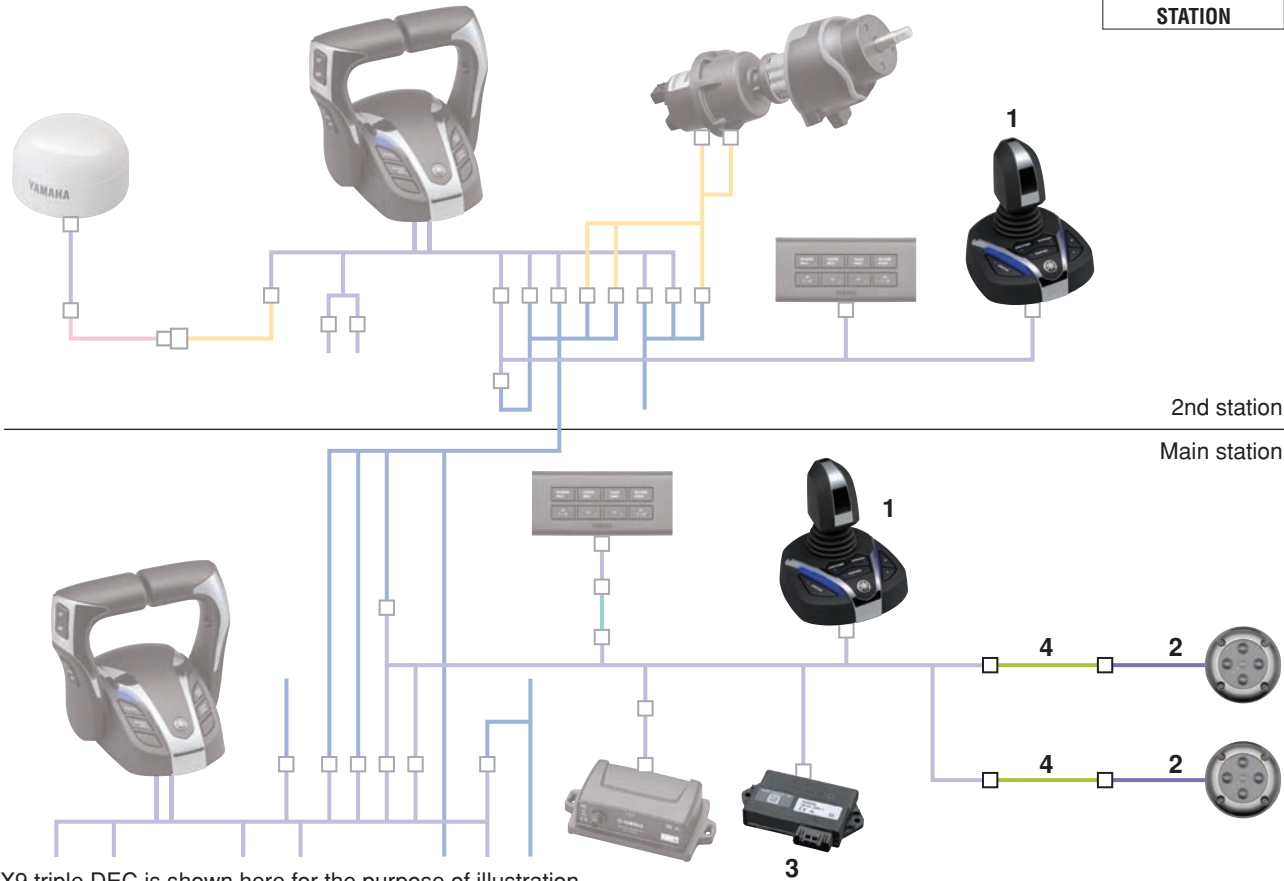
QUAD ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-70	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-40	1	Autopilot and Quad Joystick
4	Extension harness	See list 1)	2	

1) Extension harness

Part number	Remarks
6X9-82586-20	6.1 m (20 ft)
6X9-82586-30	9.1 m (30 ft)
6X9-82586-40	12.2 m (40 ft)

DUAL
STATION



6X9 triple DEC is shown here for the purpose of illustration.

SINGLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-40	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
1	Joystick controller assy	6X9-482A0-00	1	2nd station
4	Extension harness	See list 1)	2	

TWIN ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-50	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-20	1	Autopilot and Twin Joystick
1	Joystick controller assy	6X9-482A0-00	1	2nd station
4	Extension harness	See list 1)	2	

TRIPLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-60	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-30	1	Autopilot and Triple Joystick
1	Joystick controller assy	6X9-482A0-00	1	2nd station
4	Extension harness	See list 1)	2	

QUAD ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-70	1	
1	. Joystick controller assy	6X9-482A0-00	1	
2	. LED assy (prop lights)	6ES-83720-01	2	
3	. BCU	6X9-8591T-40	1	Autopilot and Quad Joystick
1	Joystick controller assy	6X9-482A0-00	1	2nd station
4	Extension harness	See list 1)	2	

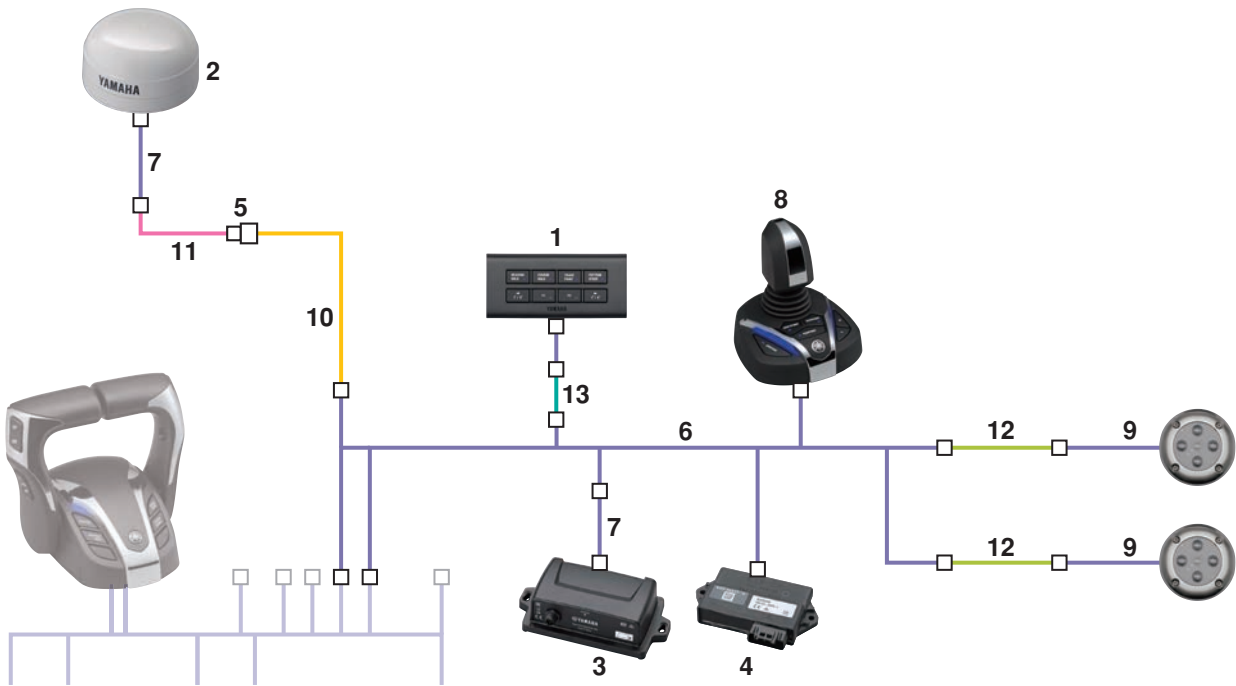
1) Extension harness

Part number	Remarks
6X9-82586-20	6.1 m (20 ft)
6X9-82586-30	9.1 m (30 ft)
6X9-82586-40	12.2 m (40 ft)

Autopilot/ Joystick Full Upgrade Kit

These kits work in conjunction with 6X9 DEC and DES.

SINGLE
STATION



6X9 triple DEC is shown here for the purpose of illustration.

SINGLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-01	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-10	1	Autopilot and Single Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
12	Extension harness	See list 4)	2	
13	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

TWIN ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-11	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-20	1	Autopilot and Twin Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
12	Extension harness	See list 4)	2	
13	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

TRIPLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-21	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-30	1	Autopilot and Triple Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
12	Extension harness	See list 4)	2	
13	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

QUAD ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-31	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-40	1	Autopilot and Quad Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
12	Extension harness	See list 4)	2	
13	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

1) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)

3) BCU harness extension

Part number	Remarks
6X9-82521-00	4.6 m (15 ft)
6X9-82521-10	9.1 m (30 ft)

NOTE:
Pigtail bus wire 0.9 m (3 ft) or longer is not applicable to GPS connection.

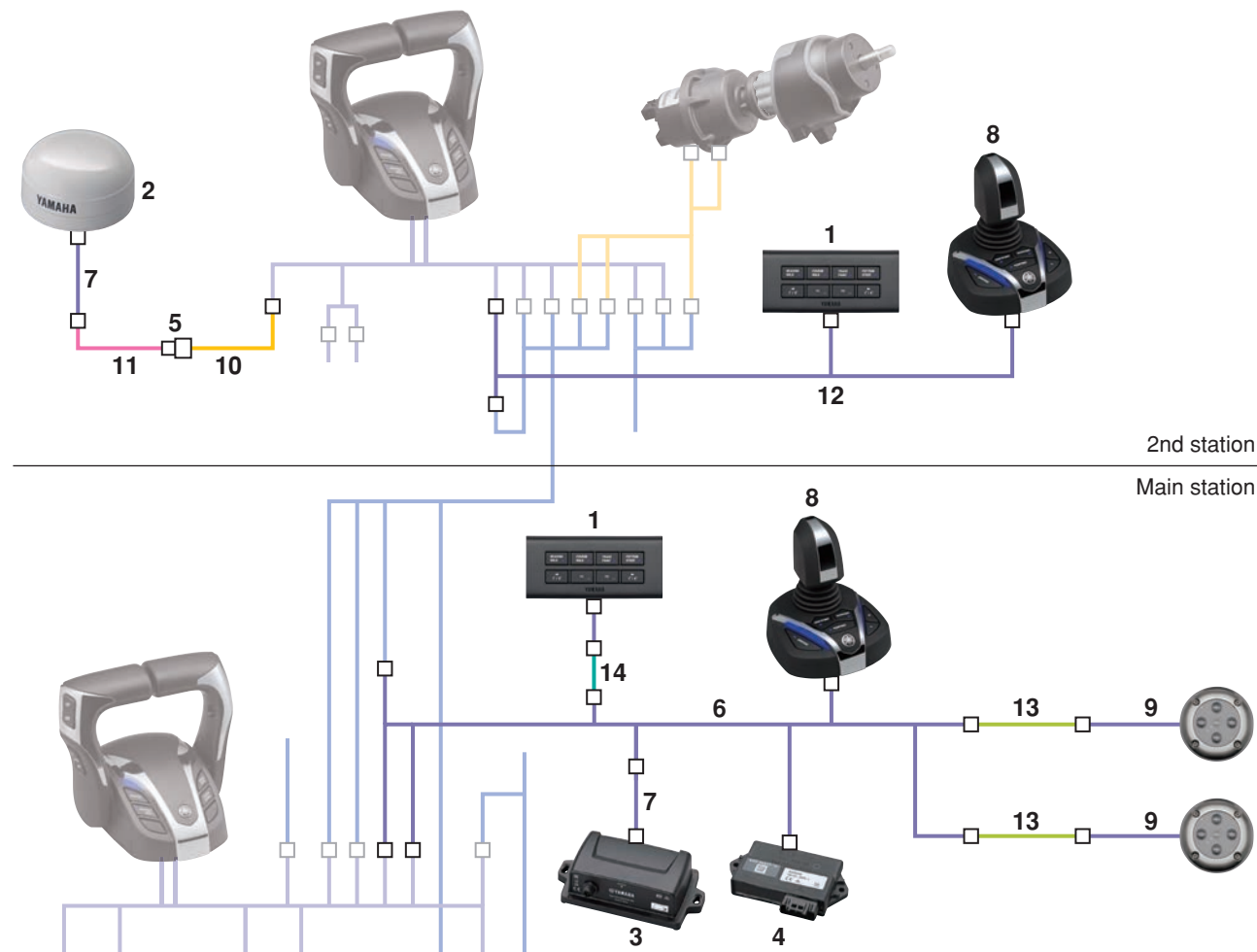
4) Extension harness

Part number	Remarks
6X9-82586-20	6.1 m (20 ft)
6X9-82586-30	9.1 m (30 ft)
6X9-82586-40	12.2 m (40 ft)

Autopilot/ Joystick Full Upgrade Kit

These kits work in conjunction with 6X9 DEC and DES.

DUAL STATION



6X9 triple DEC is shown here for the purpose of illustration.

SINGLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-01	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-10	1	Autopilot and Single Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
	Autopilot kit	6X9-762P0-10	1	2nd station
1	. Autopilot panel	6X9-8253V-00	1	
12	. BCU harness	6X9-82386-10	1	DEC to Autopilot/ Joystick
8	. Joystick controller assy	6X9-482A0-00	1	
13	Extension harness	See list 4)	2	
14	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

TWIN ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-11	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-20	1	Autopilot and Twin Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
	Autopilot kit	6X9-762P0-10	1	2nd station
1	. Autopilot panel	6X9-8253V-00	1	
12	. BCU harness	6X9-82386-10	1	DEC to Autopilot/ Joystick
8	. Joystick controller assy	6X9-482A0-00	1	
13	Extension harness	See list 4)	2	
14	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

TRIPLE ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-21	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-30	1	Autopilot and Triple Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
	Autopilot kit	6X9-762P0-10	1	2nd station
1	. Autopilot panel	6X9-8253V-00	1	
12	. BCU harness	6X9-82386-10	1	DEC to Autopilot/ Joystick
8	. Joystick controller assy	6X9-482A0-00	1	
13	Extension harness	See list 4)	2	
14	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

QUAD ENGINE

Ref. No.	Part name	Part number	Q'ty	Remarks
	Joystick kit	6X9-762J0-31	1	
1	. Autopilot panel	6X9-8253V-00	1	
2	. GPS unit	6X9-88107-00	1	
3	. Heading sensor	6X9-8A410-00	1	
4	. BCU	6X9-8591T-40	1	Autopilot and Quad Joystick
5	. Single hub	6Y8-81920-11	1	
6	. BCU harness	6X9-82386-01	1	DEC to Autopilot/ Joystick
7	. Conversion harness	6YM-83553-00	2	0.9 m (3 ft)
8	. Joystick controller assy	6X9-482A0-00	1	
9	. LED assy (prop lights)	6ES-83720-01	2	
10	Main bus wire	See list 1)	1	
11	Pigtail bus wire	See list 2)	1	
	Autopilot kit	6X9-762P0-10	1	2nd station
1	. Autopilot panel	6X9-8253V-00	1	
12	. BCU harness	6X9-82386-10	1	DEC to Autopilot/ Joystick
8	. Joystick controller assy	6X9-482A0-00	1	
13	Extension harness	See list 4)	2	
14	BCU harness extension	See list 3)	1	Optional harness for remote panel installation.

1) Main bus wire

Part number	Remarks
6Y8-82553-01	0.3 m (1 ft)
6Y8-82553-50	3.0 m (10 ft)
6Y8-82553-11	4.6 m (15 ft)
6Y8-82553-21	6.1 m (20 ft)
6Y8-82553-31	7.6 m (25 ft)
6Y8-82553-41	9.1 m (30 ft)

2) Pigtail bus wire

Part number	Remarks
6Y8-82521-01	0.3 m (1 ft)
6Y8-82521-11	0.6 m (2 ft)

3) BCU harness extension

Part number	Remarks
6X9-82521-00	4.6 m (15 ft)
6X9-82521-10	9.1 m (30 ft)

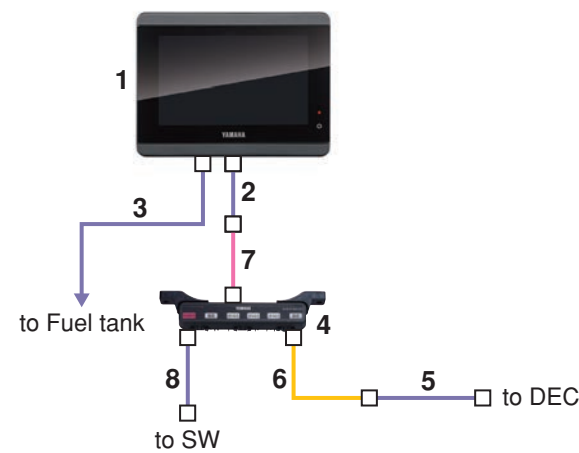
NOTE:

Pigtail bus wire 0.9 m (3 ft) or longer is not applicable to GPS connection.

4) Extension harness

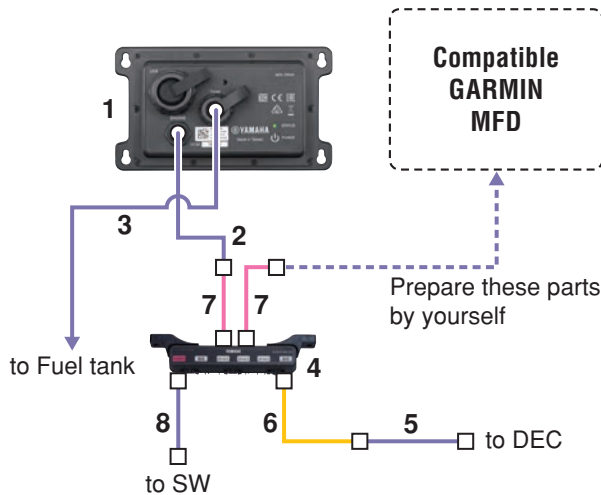
Part number	Remarks
6X9-82586-20	6.1 m (20 ft)
6X9-82586-30	9.1 m (30 ft)
6X9-82586-40	12.2 m (40 ft)

CL5 Display



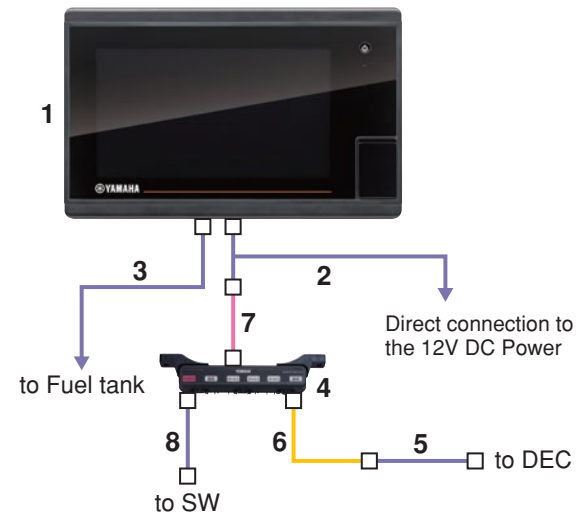
Ref. No.	Part name	Part number	Q'ty	Remarks
	Gauge kit	6YM-762G0-10	1	
1	. CL5 display	6YM-83710-10	1	No Wi-Fi
2	. Conversion harness	6YM-83553-00	1	0.9 m (3 ft)
3	. Fuel tank wire	6YD-8356N-00	1	
4	. Multi-hub	6Y8-81920-01	1	
5	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
6	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
7	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
8	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	White
	. Speed sensor kit	60V-8A4L1-1A	1	

MFD Interface Type-1



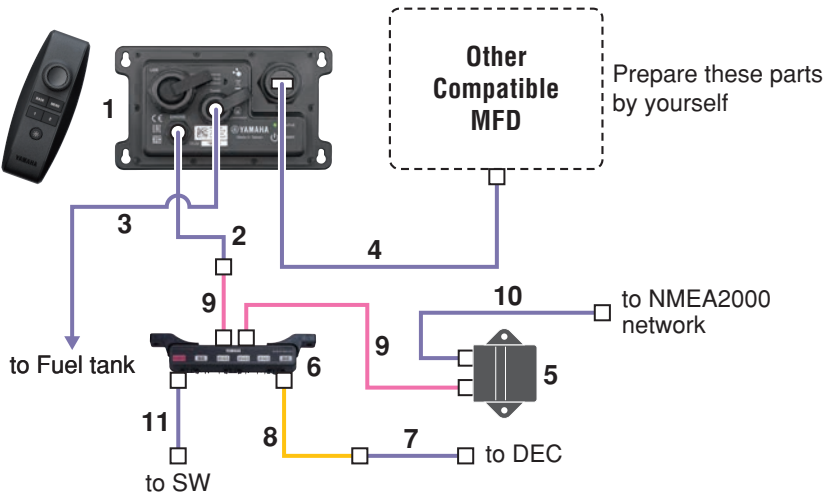
Ref. No.	Part name	Part number	Q'ty	Remarks
	Gauge kit	6YM-762G0-40	1	
1	. MFD Interface unit	6YM-8A2D0-10	1	For compatible GARMIN MFD
2	. Conversion harness	6YM-83553-10	1	With elbow connector, 0.9 m (3 ft)
3	. Fuel tank wire	6YM-8356N-00	1	With elbow connector
4	. Multi hub	6Y8-81920-01	1	
5	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
6	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
7	. Pigtail bus wire	6Y8-82521-31	2	1.8 m (6 ft)
8	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	1	White

CL7 Display



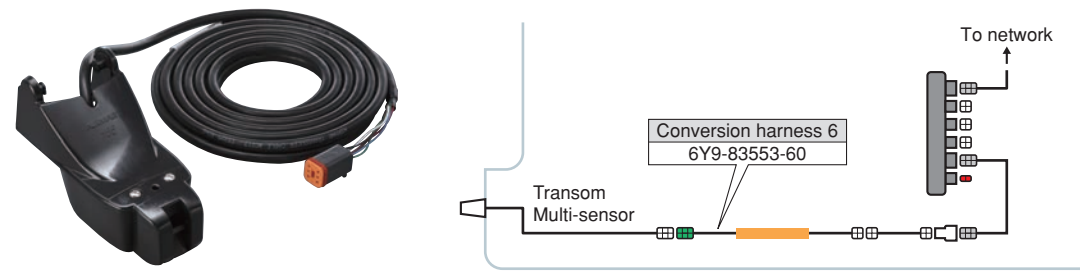
Ref. No.	Part name	Part number	Q'ty	Remarks
1	CL7 display	6YD-83710-03	1	With Wi-Fi
		6YD-83710-13	1	With Wi-Fi, US detailed map
		6YD-83710-23	1	No Wi-Fi
	CL7 display setup kit	6YD-762A0-00	1	
2	. Conversion harness	6YD-83553-00	1	
3	. Fuel tank wire	6YD-8356N-00	1	
4	. Multi-hub	6Y8-81920-01	1	
5	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
6	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
7	. Pigtail bus wire	6Y8-82521-31	1	1.8 m (6 ft)
8	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	2	White

MFD Interface Type-2



Ref. No.	Part name	Part number	Q'ty	Remarks
	Gauge kit	6YM-762G0-50	1	
1	. MFD Interface unit + Remote controller assy	6YM-8A201-00	1	For other compatible MFD
2	. Conversion harness	6YM-83553-10	1	With elbow connector, 0.9 m (3 ft)
3	. Fuel tank wire	6YM-8356N-00	1	With elbow connector
4	. HDMI cable	6YM-8533A-00	1	With elbow connector
5	. NMEA2000 Gateway (6YG)	6YG-8A2D0-11	1	
6	. Multi hub	6Y8-81920-01	1	
7	. Conversion harness	6Y9-83553-00	1	DEC to hub, 0.3 m (1 ft)
8	. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
9	. Pigtail bus wire	6Y8-82521-31	2	1.8 m (6 ft)
10	. NMEA harness	6YG-82521-00	1	For 6YG Gateway
11	. System power supply wire	6Y8-83553-01	1	With 10 amp fuse, 2.4 m (8 ft)
	. 4-pin waterproof cap	6Y8-82582-11	1	White

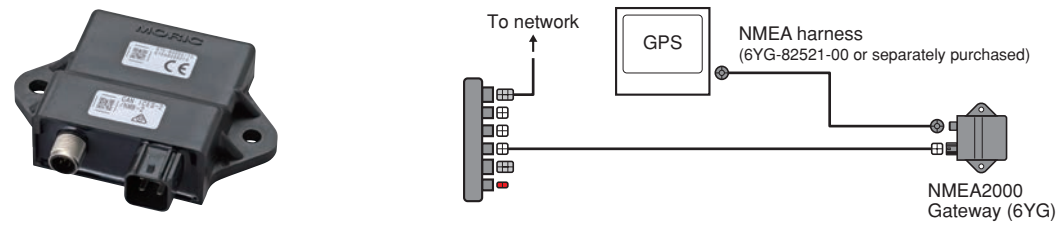
Transom Multi-Sensor



Part name	Part number	Remarks
Transom Multi-Sensor	6Y9-83688-10	Depth, speed and water surface temperature. Compatible with all Fuel Injection (FI) 4 stroke outboard motors with Mechanical or Digital Electronic Remote Controls.

NMEA2000 Gateway (6YG)

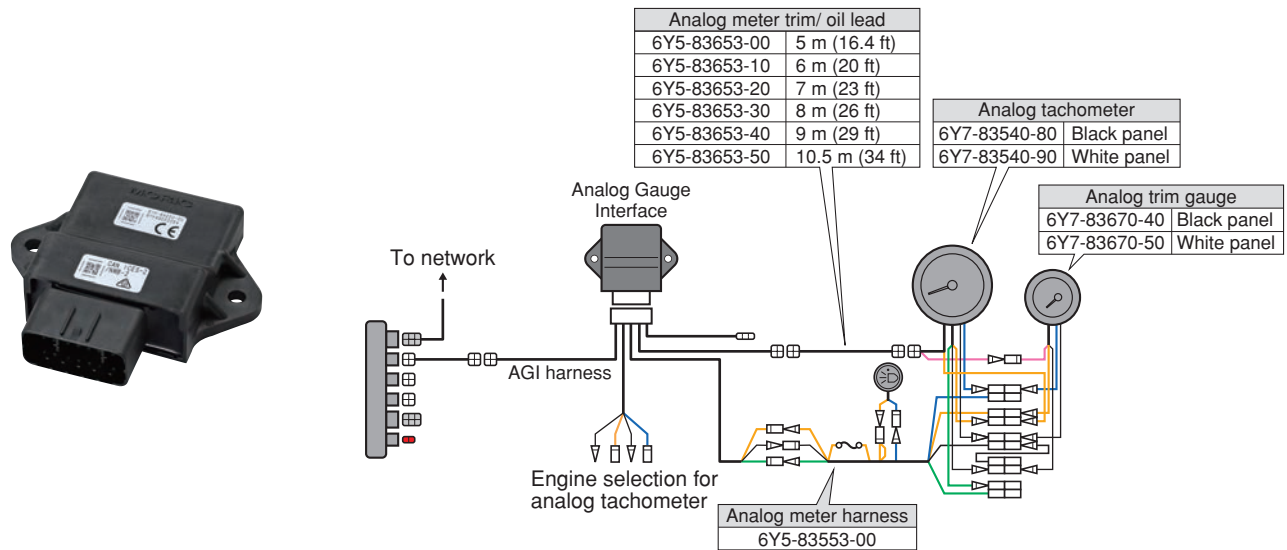
Uses to connect between NMEA2000 compatible equipments and network hub.



Part name	Part number	Remarks
NMEA2000 Gateway (6YG)	6YG-8A2D0-11	Compatible with all Fuel Injection (FI) 4 stroke outboard motors with Mechanical or Digital Electronic Remote Controls.
NMEA harness	6YG-82521-00	Or separately purchased market-available NMEA harness

Analog Gauge Interface

Uses to connect between analog gauge and network hub.
You can expand the network corresponding to the number of the engine.



Part name	Part number	Remarks
Analog Gauge Interface	6YH-8A2D0-00	Compatible with all Fuel Injection (FI) 4 stroke outboard motors with Mechanical or Digital Electronic Remote Controls. Required for each engine.
Analog Gauge Interface harness	6YH-82521-00	AGI harness

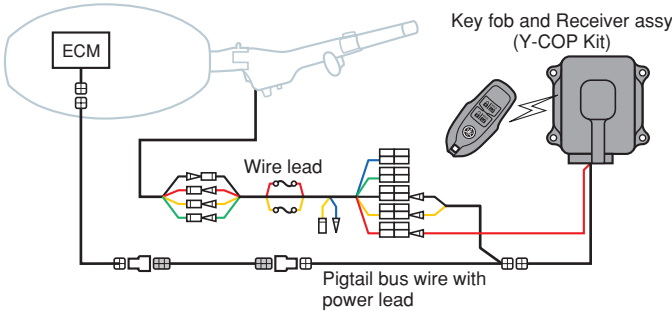
Y-COP® outboard theft-deterrent system *1

Y-COP® (Yamaha Customer Outboard Protection) is the immobilizer system for Yamaha outboards.
With a smart key fob in your pocket, just turn on the key switch to unlock Y-COP® and power up the system at a time. Your engine is ready to start.

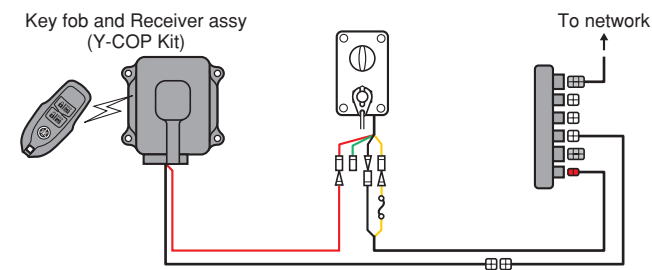
*1: Radio law is applicable. Sale is restricted to the certified countries shown in a separate page.



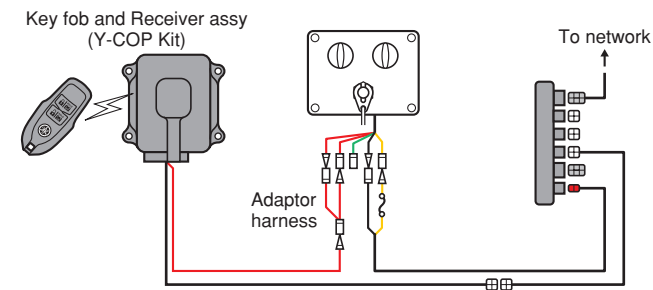
Single engine with 6X4 Multi-Function Tiller Handle



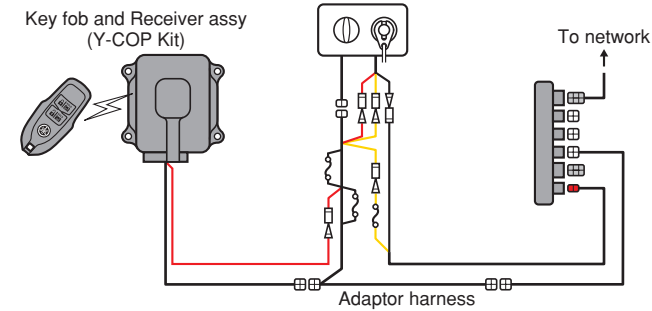
Single engine and DEC Quad engines



Twin or Triple engines - Fuel Injection (FI), Mechanical RC



Twin or Triple engines - DEC



Y-COP Kit

Part name	Part number		Q'ty	Remarks
Y-COP kit	6X9-762D0-00	1	6X9-762D0-10	1
. Key fob and receiver assy	6X9-86254-20	1	—	Radio frequency 433 MHz, Key fob: 2 pcs.
	—	—	6X9-86254-30	1 Radio frequency 315 MHz, Key fob: 2 pcs.
. Screw, pan tapping	90167-06M00	4	90167-06M00	4
. Screw, pan head	97880-06035	4	97880-06035	4
. Washer, plain	90201-06M30	8	90201-06M30	8
. Nut, nylon	95780-06300	4	95780-06300	4
. Pigtail bus wire	6Y8-82521-11	1	6Y8-82521-11	1 0.6m (2ft)
. Sticker,1	6Y8-48277-00	1	6Y8-48277-00	1 Y-COP Sticker

Use below Attachment Kit together with Y-COP Kit in case of 6X4 Multi-Function Tiller Handle

Part name	Part number	Q'ty	Remarks
Y-COP Attachment kit	6Y8-762A0-01	1	Y-COP Attachment Kit for 6X4 Multi-Function Tiller Handle
. Pigtail bus wire	6Y8-82521-51	1	3.6 m (12 ft)
. Single-hub	6Y8-81920-11	2	
. Main bus wire	6Y8-82553-01	1	0.3 m (1 ft)
. Wire lead	6Y5-83553-M1	1	2.5 m (8 ft) with 10 amp twin-fuse
. Pigtail bus wire with power lead	6Y8-82117-00	1	

Use below harness together with Y-COP Kit in case of Twin or Triple engine application

Part name	Part number	Q'ty	Remarks
Adaptor harness	6H5-81315-00	1	For Fuel Injection (FI), Mechanical Remote Control Outboards
Adaptor harness	6Y8-81315-02	1	For DEC Outboards

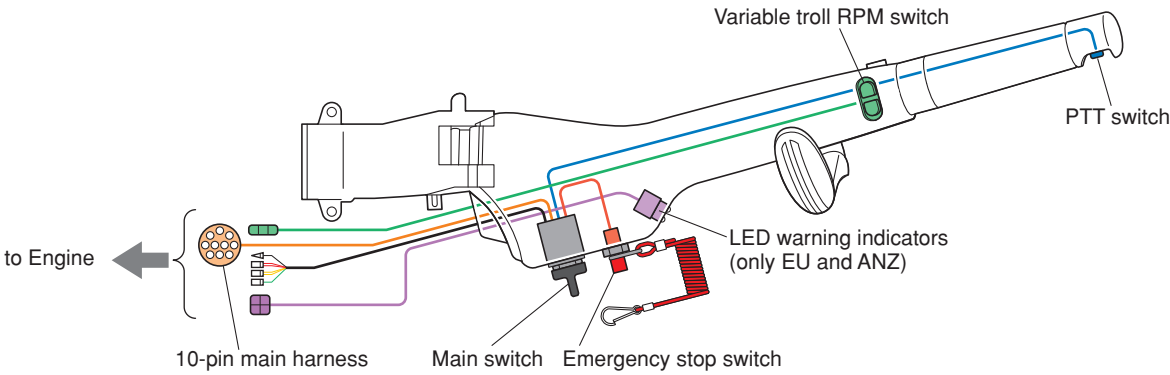
6X4 Multi-Function Tiller Handle

Yamaha prepares various multi-function tiller handle kits for 4 stroke F20 (6HY, PT spec), F25 (6FM, PTT spec) to F130 and 2 stroke 40 to 90 outboard motors.

These are all-in-one concept similar to 703 remote control box, offering:

Engine ignition switch, Emergency stop switch, PTT switch, Neutral switch, Throttle friction adjuster, Shift lever, Throttle control grip, Variable troll RPM switch, LED warning indicators (only Europe & Australia/ New Zealand), and Warning buzzer.

The 10-pin main harness in the handle will allow an easy connection of the electrical system to the engine.



Tiller Handle & Fitting Kit selection

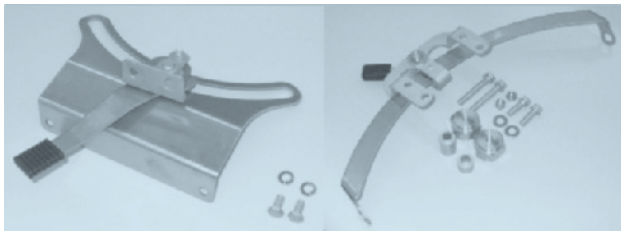
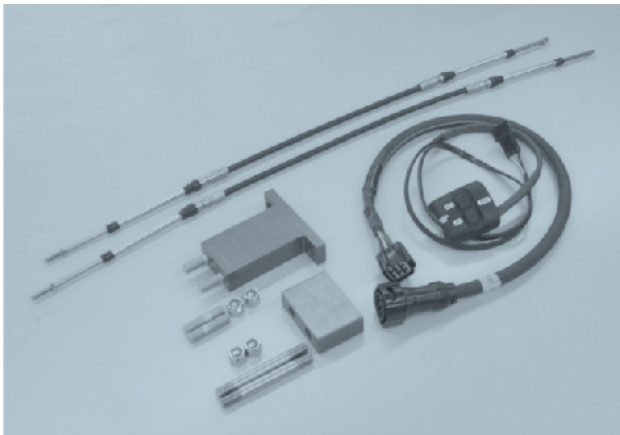
1. Select the Tiller Handle Kit.

There are 2 different specifications of Tiller Handle Kit (US and EU/ANZ). Each Tiller Handle Kit is common for F20/F25 (6HY/6FM) to F130.



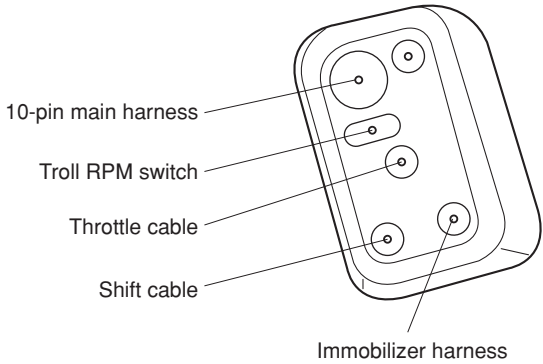
2. Select the Fitting Kit that matches the outboard model.

Fitting Kits differ by outboard models. Fitting kits typically include 10-pin main harness, Variable Troll RPM switch, Steering Friction ASSY, shift & throttle cables and other installation hardware.



For US (Without LED warning indicators.)

Tiller Handle Kit



KIT P/N: 6X4-42103-5B

Part name	Part number	Q'ty	Remarks
Tiller handle ASSY	6X4-42101-05	1	Without LED indicators. Required fitting kit.
Setup manual	6X4-2819K-19	1	English

Fitting Kit

4-stroke

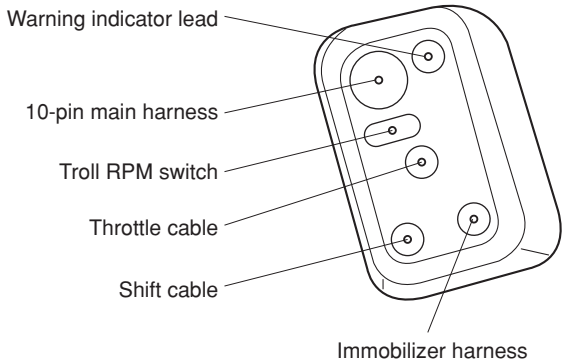
Application model (US model name)	Part number
F115B, F130A	6X4-42102-H1
F75B, F90B	6X4-42102-J1
F75A, F90A	6X4-42102-12
F50B, T50B, F60B, T60B, F70A	6X4-42102-23
F40A	6X4-42102-71
F25C (PTT spec)	6X4-42102-E0
F20B (PT spec)	6X4-42102-K0

2-stroke

Application model	Part number
90	6X4-42102-42
70	6X4-42102-52
50	6X4-42102-64

For EU/ANZ (With LED warning indicators.)

Tiller Handle Kit



KIT P/N: 6X4-42103-68

Part name	Part number	Q'ty	Remarks
Tiller handle ASSY	6BC-42101-24	1	With LED indicators. Required fitting kit.
Setup manual	6X4-2819K-KA	1	English, French, Spanish

Fitting Kit

4-stroke

Application model (Factory model name)	Part number
F115B, F130A	6X4-42102-C1
F80D, F100F	6X4-42102-G1
F80B, F100D	6X4-42102-A2
F50H, FT50J, F60F, FT60G, F70A	6X4-42102-92

Application model (Factory model name)	Part number
F30B, F40F	6X4-42102-82
F25G (PTT spec)	6X4-42102-F0
F20G (PT spec)	6X4-42102-L0

Yamaha Propellers are developed to optimize the performance of Yamaha outboard motors. The perfect match between Yamaha Propellers and the gear ratios of Yamaha outboard motors produces acceleration and cruising performance you can't get from other makers.

Yamaha propellers are designed specifically for Yamaha outboard motors. Use them to get the most out of your marine life.

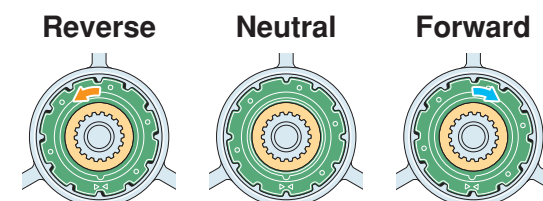
PS	4-stroke						2-stroke					
	White painted		Black painted		Polished		White painted		Black painted		Polished	
2	BS						A					
2.5												
3							BS					
4	BA						BA					
5												
6							N	C				
8	J (up to 15 PS) J1 (up to 20 PS)	N	R				J/ J1					
9.9												
15												
20												
25		G	F	F			F		F			
30												
40	G						H					
48												
50				G			G		G			
55												
60		K										
65												
70												
75												
77												
80	K *1											
85												
90												
95												
100												
115												
130												
140												
150												
175												
200				M/ ML					M/ ML			
225												
250				T/ TL								
275												
300												
350												
375												
425												

This selection table is approximate for indication purpose only.
*1: Including SDS propeller
*2: Including 4 blades

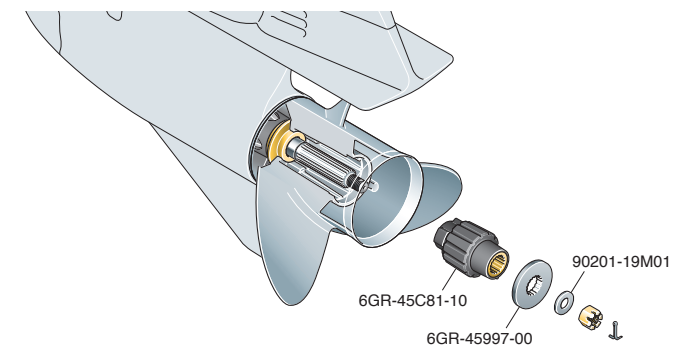
Shift Dampener System (SDS)

Yamaha's unique Shift Dampener System (SDS) uses a specially-designed damper and bushing to bring greatly quieter shifting and smoother in-gear operation, even at low speeds. Propeller blades, dampers and bushing can be dismantled for easier inspection and replacement.

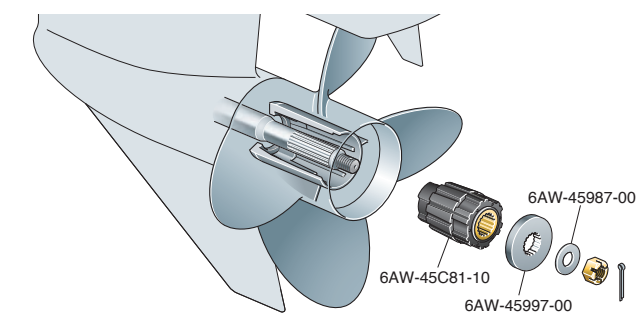
SDS mechanism (example)



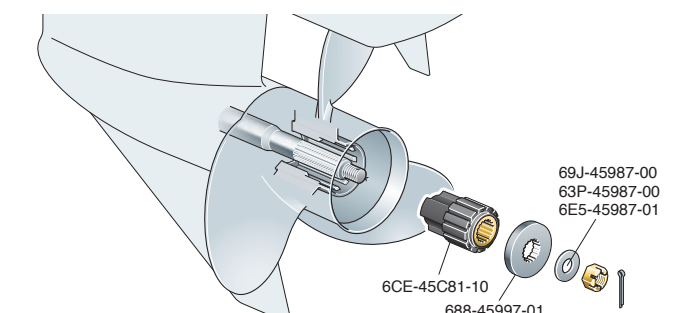
XTO OS® Series



Saltwater Series XL®/ XL®4

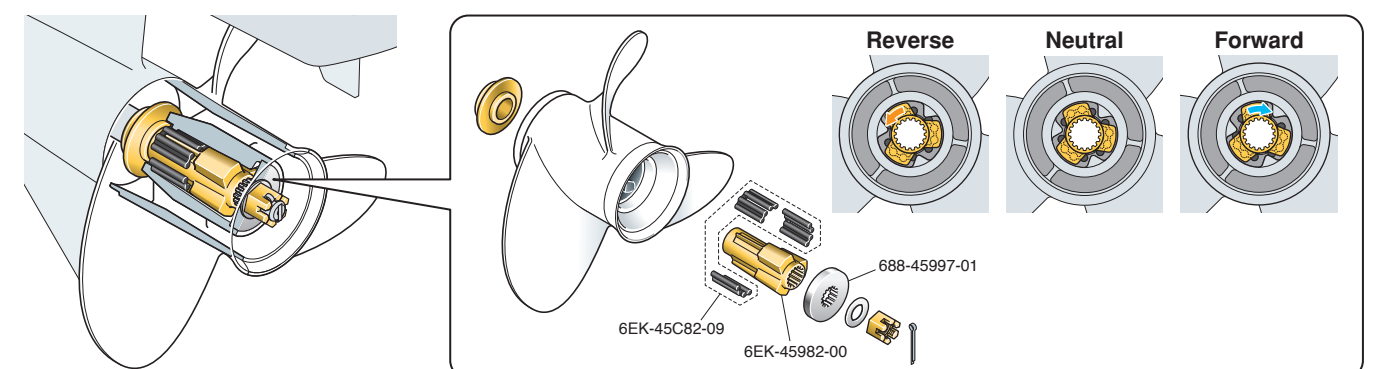


Saltwater Series HS®4/ II and Reliance Series



TALON® Series

The Talon® series aluminum and stainless steel propellers bring all the SDS benefit to middle range outboard motors.



Stainless Steel

XTO OS® Series

Specifically and exclusively designed only for the Yamaha's XTO F375/425 outboards. The XTO OS® literally generates extreme thrust output thanks to specially-designed blades and a massive blade surface area, providing excellent acceleration, cruising and top speed characteristics along with reduced ventilation. XTO OS® is incorporated with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 375-425 PS	6GR-45970-10	17 1/ 8	15	Y	Polished Stainless Steel
		6GR-45D70-10	16 7/ 8	16		
		6GR-45972-10	16 7/ 8	17		
		6GR-45938-10	16 5/ 8	18		
		6GR-45974-10	16 5/ 8	19		
		6GR-45936-10	16 3/ 8	20		
		6GR-45976-10	16 3/ 8	21		
		6GR-45934-10	16 1/ 8	22		
		6GR-45978-10	16 1/ 8	23		
		6GR-45932-10	16	24		
		6GR-45930-10	16	25		
		6GR-45D72-10	16	26		
		6GS-45970-10	17 1/ 8	15	YL	
		6GS-45D70-10	16 7/ 8	16		
		6GS-45972-10	16 7/ 8	17		
		6GS-45938-10	16 5/ 8	18		
		6GS-45974-10	16 5/ 8	19		
		6GS-45936-10	16 3/ 8	20		
		6GS-45976-10	16 3/ 8	21		
		6GS-45934-10	16 1/ 8	22		
		6GS-45978-10	16 1/ 8	23		
		6GS-45932-10	16	24		
		6GS-45930-10	16	25		
		6GS-45D72-10	16	26		

Saltwater Series XL®/ XL®4

Specifically and exclusively designed only for the Yamaha's V8 5.3L F350 outboards. The SWS XL® features specially-designed blades and a massive blade surface area, providing excellent acceleration, cruising and top speed characteristics. The SWS XL®4 offers four blade benefits like incredible thrust and planing capability with reduced ventilation. 15" and 17" pitches are aimed for heavy offshore boats, while 22" and 24" pitches are more for lighter and high-performance offshore boats. Both SWS XL® and XL®4 come with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.

Saltwater Series XL®4



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 300-350 PS	6AW-45B70-20	16 1/ 8	15	X	Polished Stainless Steel
		6AW-45B72-20	16 1/ 8	17		
		6AW-45B76-20	15 3/ 8	22		
		6AW-45B74-20	15 3/ 8	24		
		6AX-45B70-20	16 1/ 8	15	XL	
		6AX-45B72-20	16 1/ 8	17		
		6AX-45B76-20	15 3/ 8	22		
		6AX-45B74-20	15 3/ 8	24		

Saltwater Series XL®



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 300-350 PS	6AW-45930-20	16 1/ 4	13	X	Polished Stainless Steel
		6AW-45970-20	16 1/ 4	15		
		6AW-45972-20	16 1/ 4	17		
		6AW-45974-20	15 1/ 2	19		
		6AW-45976-20	15 1/ 4	21		
		6AW-45978-20	15 1/ 4	23	XL	
		6AX-45930-20	16 1/ 4	13		
		6AX-45970-20	16 1/ 4	15		
		6AX-45972-20	16 1/ 4	17		
		6AX-45974-20	15 1/ 2	19		
		6AX-45976-20	15 1/ 4	21		
		6AX-45978-20	15 1/ 4	23		

Saltwater Series HS®4/ II

Intended for Yamaha's V6 outboards, SWS II features large blade area and progressive rake angle to provide great overall performance for large boats. SWS HS®4 boasts added water grip thanks to its four blade design. Both SWS II and HS®4 come with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.

Saltwater Series HS®4



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 150-300 PS 2-stroke 150-250 PS	6CE-45B70-20	15	21	T	Polished Stainless Steel
		6CE-45B72-20	15	22		
		6CE-45B74-20	15	23		
		6CF-45B70-20	15	21	TL	
		6CF-45B72-20	15	22		
		6CF-45B74-20	15	23		

Saltwater Series II



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 150-300 PS	6CE-45930-20 *1	15 3/ 4	13	T	Polished Stainless Steel
		6CE-45976-20 *1	15 3/ 4	15		
		6CE-45938-20	15 1/ 2	16		
		6CE-45978-20	15 1/ 2	17		
		6CE-45934-20	15 1/ 4	18		
		6CE-45970-20	15 1/ 4	19		
		6CE-45932-20	15	20		
		6CE-45972-20	15	21		
		6CE-45936-20	14 3/ 4	22		
		6CE-45974-20	14 3/ 4	23		
	2-stroke 150-250 PS	6CF-45930-20 *1	15 3/ 4	13	TL	
		6CF-45976-20 *1	15 3/ 4	15		
		6CF-45978-20	15 1/ 2	17		
		6CF-45934-20	15 1/ 4	18		
		6CF-45970-20	15 1/ 4	19		
		6CF-45932-20	15	20		
		6CF-45972-20	15	21		
		6CF-45936-20	14 3/ 4	22		
6CF-45974-20	14 3/ 4	23				

*1: Only for V6 3.1/ 3.3/ 4.2 L model.

Reliance® Series

Designed primarily for use with Yamaha's L4 F150-200 outboards, Reliance® Series is the excellent all-around performer with its versatility on a wide variety of applications and boating platforms. Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 150-300 PS	68F-45932-20	14 1/ 2	13	M	Polished Stainless Steel
		68F-45930-20	14 1/ 2	14		
		68F-45970-20	14 1/ 2	15		
		68F-45972-20	14 1/ 4	17		
		68F-45978-20	14 1/ 4	18		
	2-stroke 150-250 PS	68F-45974-20	13 3/ 4	19	ML	
		68F-45976-20	13 3/ 4	21		
		68G-45930-20	14 1/ 2	14		
		68G-45970-20	14 1/ 2	15		
		68G-45972-20	14 1/ 4	17		
		68G-45978-20	14 1/ 4	18		
		68G-45974-20	13 3/ 4	19		
		68G-45976-20	13 3/ 4	21		

Performance 3 SDS Series

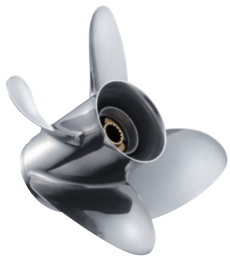
Performance 3 SDS is the excellent general-purpose propellers. Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 150-300 PS	60H-45970-00	14 1/ 4	14	M	Polished Stainless Steel
		60H-45972-00	14 1/ 4	16		
		60H-45974-00	14 1/ 4	18		
		60H-45976-00	14 1/ 4	20		
		60H-45978-00	14 1/ 4	22		
	2-stroke 150-250 PS	60J-45970-00	14 1/ 4	14	ML	
		60J-45972-00	14 1/ 4	16		
		60J-45974-00	14 1/ 4	18		
		60J-45976-00	14 1/ 4	20		
		60J-45978-00	14 1/ 4	22		

TALON SS®4 Series

Offering great acceleration along with bow and stern lift, the Talon SS®4 is the 4 blade propeller for Yamaha's midrange FT50 to F130A outboards (*).
Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 50-130 PS	6N6-45B70-00	13 1/ 4	14	K	Polished Stainless Steel
		6N6-45B72-00	13 1/ 4	16		
		6N6-45B74-00	13 1/ 4	18		
	2-stroke 55-140 PS	6N6-45B76-00	13 1/ 4	20(*)		
		6N6-45B78-00	13 1/ 4	22(*)		
		6N6-45B80-00	13 1/ 4	23(*)		

(* 20" and higher pitches can be applied only to 1.8L F75-F100 and 115hp+ outboards due to possible propeller blade interference to trim tab.)

TALON SS® Series

Talon SS® features highly efficient, low slip blade design offering great versatility and all-around performance from hole shot to top speed.
Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 50-130 PS	6N7-45970-00	13 1/ 8	14	K	Polished Stainless Steel
		6N7-45972-00	13 1/ 8	16		
		6N7-45974-00	13 1/ 8	18		
		6N7-45976-00	13 1/ 8	19		
		6N7-45978-00	13 1/ 8	20		
		6N7-45930-00	13 1/ 8	22		
	2-stroke 55-140 PS	6N7-45932-00	13 1/ 8	24	KL	
		6N4-45970-00	13 1/ 8	14		
	4-stroke 115 PS	6N4-45972-00	13 1/ 8	16		
		6N4-45974-00	13 1/ 8	18		
		6N4-45978-00	13 1/ 8	20		

TALON PONTOON® Series

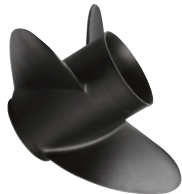
Talon Pontoon® features a significantly larger blade area that helps provide outstanding thrust with added grip and reduced ventilation in turns.
Suitable for pontoon boat or utility/work boats with Yamaha FT50 to F130 where extra thrust is required.
Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 50-130 PS	6H1-45970-00	14	9	K	Polished Stainless Steel
		6H1-45972-00	14	10		
	2-stroke 55-140 PS	6H1-45974-00	14	11		
		6H1-45976-00	14	12		
		6H1-45978-00	14	13		

Black Series

An excellent general purpose choice. Stainless steel construction allows for a blade that is thinner, more efficient and more durable than an aluminum propeller, with a cost effective, black paint coating.



Left-hand rotation

Type	Model	Part number	Diameter	Pitch	Mark	Finish	
STD	4-stroke 200-250 PS	61A-45978-00	15	17	T	Black Painted Stainless Steel	
		61A-45974-00	14 1/ 2	19			
		61A-45972-00	14 1/ 2	21			
	2-stroke 250 PS	61B-45978-00	15	17	TL		
		61B-45974-00	14 1/ 2	19			
		61B-45972-00	14 1/ 2	21			
	4-stroke 150-250 PS	6G5-45932-00	15 3/ 4	13	M		
		6G5-45970-02	15 1/ 4	15			
		6G5-45978-03	13 3/ 4	17	M2		
		6G5-45974-03	13 3/ 4	19			
		6G5-45972-02	13 3/ 4	21	M		
		6G5-45976-01	13 3/ 8	23			
		2-stroke 150-250 PS	6G5-45930-00	13 3/ 8	25		ML
			6K1-45970-01	15 1/ 4	15		
			6K1-45978-02	13 3/ 4	17		ML1
			6K1-45974-02	13 3/ 4	19		
			6K1-45972-01	13 3/ 4	21		ML
			6K1-45976-00	13 3/ 8	23		
	4-stroke 50-130 PS	688-45932-60	13 1/ 2	14	K		
		688-45978-60	13 1/ 2	16			
		688-45930-02	13	17			
		688-45970-03	13	19			
		688-45972-02	13	21			
		688-45974-02	13	23			
		688-45976-01	13	25			
	4-stroke 115 PS	6L6-45930-01	13	17	KL		
		6L6-45970-00	13	19			
		6L6-45972-00	13	21			
	4-stroke 30-60 PS	663-45972-60	12	11	G		
		663-45970-60	11 3/ 4	12			
		663-45974-60	11 1/ 2	13			
		663-45930-00	10 1/ 4	14			
		663-45976-00	10 1/ 4	15			
		663-45978-00	10 1/ 4	16			
	4-stroke 25 PS	664-45970-00	9 1/ 8	13	F		
		664-45972-00	9 7/ 8	14			
	2-stroke 20-30 PS						

ALUMINUM

TALON GP® Series

Talon GP® is the general purpose propeller being a great choice for lighter weight boats with FT50 to F130, providing excellent water grip in turn. Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 50-130 PS	6FP-45941-00	13 5/8	14	K	White Painted Aluminum
		6FP-45943-00	13 1/2	15		
	2-stroke 55-140 PS	6FP-45945-00	13 1/4	16		
		6FP-45947-00	13 1/8	17		
		6FP-45949-00	13	18		

TALON® Series

Talon Aluminum features large blade surface area and unique blade geometry with cup on the trailing edge, providing extra thrust, high efficiency and great water grip in turn. Primarily intended for utility, work or heavy loaded boats. Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.



Type	Model	Part number	Diameter	Pitch	Mark	Finish
SDS	4-stroke 50-130 PS	6EK-45941-00	13 1/2	9	K	White Painted Aluminum
		6EK-45943-00	13 1/2	10 1/2		
	2-stroke 55-140 PS	6EK-45945-00	13 1/2	12		
		6EK-45947-00	13 1/2	14		
		6EK-45949-00	13 1/2	16		

Aluminum Series

Yamaha design, quality, and performance in a low-cost, lightweight propeller. A good all-around choice for your Yamaha outboard. Available in a wide variety of sizes and pitches for Yamaha outboard motors.



6G5



6E5



69W



676



664



683



63V

Aluminum Black M Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	2-stroke 150-200 PS	6G5-45941-00	15 1/ 4	15	M	Black Painted Aluminum
		6G5-45952-00	14 5/ 8	16		
		6G5-45947-01	14 1/ 2	17		
		6G5-45945-01	14	19		
		6G5-45943-01	13 3/ 4	21		
		6G5-45949-00	13 1/ 2	23	ML	
		6K1-45947-00	14 1/ 2	17		
		6K1-45945-00	14	19		

Aluminum White K Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 50-130 PS	6E5-45954-00	14	11	K	White Painted Aluminum
		6E5-45949-00	13 5/8	13		
		6E5-45958-00	13 5/8	14		
		6E5-45947-00	13 1/2	15		
		6E5-45945-01	13 1/4	17		
	2-stroke 60-140 PS	6E5-45941-00	13	19		
		6E5-45943-00	12 5/8	21		
		6E5-45952-00	13	23		
		6E5-45956-00	13	25		

Dual Thrust Aluminum White K Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 50-70 PS	68S-45941-00	14	11	K	White Painted Aluminum
		—	—	—		

Aluminum White G Enduro Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 30-60 PS	69W-45947-00	11 5/8	11	G	White Painted Aluminum
		69W-45952-00	11 3/8	12		
		69W-45945-00	11 1/8	13		
	2-stroke 40-55 PS	69W-45958-00	11 1/4	14		
		69W-45943-00	11	15		

Dual Thrust Aluminum White G Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 25 PS	68U-45941-00	12 1/4	9	G	White Painted Aluminum
		—	—	—		

Aluminum White G Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 30-50 PS	63D-45941-00	12 1/4	8	G	White Painted Aluminum
		663-45956-01	12 1/4	9		
		663-45954-01	11 3/4	10		
		663-45952-02	11 3/8	12		
		663-45958-01	11 1/4	14		
		663-45949-01	10 3/4	16		
	2-stroke 40-55 PS	663-45941-01	10 3/4	17		
		6H5-45952-00	10 5/8	12		
		6H5-45945-00	10 3/8	13		
		6H5-45958-00	10 1/4	14		
		6H5-45943-00	10	15		

Aluminum White H Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	2-stroke 40 PS	676-45956-61	11 3/4	7 1/2	H	White Painted Aluminum
		676-45947-62	11 3/4	8 3/4		
		676-45945-62	11 3/4	10		
		676-45941-62	11 1/2	11		
		676-45943-62	11 1/2	12		
		676-45952-62	11 1/2	13		

Dual Thrust Aluminum White F Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 20-25 PS 2-stroke 20-30 PS	6FM-45941-00 *2	10 5/8	6 1/4	F	White Painted Aluminum
		6J8-W4591-00 *2	10 5/8	8 1/4		

Aluminum White F Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 20-25 PS	664-45943-01	9 7/8	8	F	White Painted Aluminum
		664-45941-01	9 7/8	9		
		62C-45941-00	9 7/8	10		
		664-45945-00	9 7/8	10 1/2		
	2-stroke 20-30 PS	664-45947-01	9 7/8	11 1/4		
		664-45954-01	9 7/8	12		
		664-45949-02	9 7/8	13		

Aluminum White J1 Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 9.9-20 PS 2-stroke 9.9-15 PS	63V-45945-10 *1	9 1/4	9	J1	White Painted Aluminum
		63V-45952-10 *1	9 1/4	10		
		63V-45943-10 *1	9 1/4	11		
		63V-45941-10 *1	9 1/4	12		

Dual Thrust Aluminum White J Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 9.9-15 PS 2-stroke 9.9-15 PS	683-W4592-02 *1	9 3/4	6 1/2	J	White Painted Aluminum
		683-W4591-02 *1	9 3/4	8		
		—	—	—		

Aluminum White J Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 9.9-15 PS 2-stroke 9.9-15 PS	63V-45947-00 *1	9 1/4	8	J	White Painted Aluminum
		683-45949-00 *1	9 1/2	6 1/2		
		683-45952-00 *1	9 1/4	9 3/4		
		683-45943-00 *1	9 1/4	10 1/2		
		683-45941-00 *1	9 1/4	12		

*1: Spacer 1(6B8-45987-00) is needed for EK15.

*2: Recommended only for Hydro Tilt/ PTT. (Not recommendable for manual-tilt)

Dual Thrust Aluminum White R Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 8-9.9 PS	69G-45941-00	11 3/4	5 3/4	R	White Painted Aluminum
		69G-45943-00	11 3/4	7		
		6G8-45947-00	11 3/4	9 1/4		
		—	—	—		

Aluminum White C Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	2-stroke 8 PS	655-45949-00	7 1/4	5	C	White Painted Aluminum
		655-45947-01	9	5 3/4		
		655-45945-00	9	6 1/2		
		647-45943-00	9	7		
		655-45943-00	9	7 1/2		
		647-45947-00	9	9		
		647-45941-00	9 1/4	9 1/4		

Dual Thrust Aluminum White N Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 8-9.9 PS 2-stroke 6-8 PS	6G1-W4592-00	9	5	N	White Painted Aluminum
		6G1-W4591-01	9	7		
		—	—	—		

Aluminum White N Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 8-9.9 PS 2-stroke 6-8 PS	6G1-45947-00	8 1/2	6 1/2	N	White Painted Aluminum
		6G1-45943-00	8 1/2	7 1/2		
		6G1-45952-00	8 1/2	8		
		6G1-45941-00	8 1/2	8 1/2		
		6G1-45954-00	8 1/2	9 1/4		

Aluminum White BA Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 4-6 PS 2-stroke 4-5 PS	6E0-45949-00	7 1/4	6 1/2	BA	White Painted Aluminum
		6E0-45943-01	7 1/2	7		
		6E0-45941-01	7 1/2	8		
		6E0-45952-00	7 1/4	8 1/4		
		6E0-45954-00	7 1/2	9		

Aluminum White BS Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	4-stroke 2-2.5 PS 2-stroke 3 PS	6L5-45949-00	7 1/4	5	BS	White Painted Aluminum
		6L5-45952-00	7 1/4	5 1/2		
		6L5-45943-00	7 1/4	6		
		6L5-45945-00	7 1/4	7 1/4		
		6L5-45947-00	7 1/4	8 1/4		

Aluminum White A Series

Type	Model	Part number	Diameter	Pitch	Mark	Finish
STD	2-stroke 2 PS	646-45944-01	7 1/4	4 1/2	A	White Painted Aluminum
		6F8-45942-01	7 1/4	5		
		646-45942-01	7 1/4	5 1/2		
		—	—	—		



6G5



6E5



69W



676



664



683



63V

Handwriting practice lines consisting of 30 horizontal dotted lines.