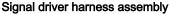
IMPORTANT: This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product. Always refer to the appropriate Mercury Marine service manual for component removal and installation instructions.

NOTE: After completing installation, place these instructions with the product for the owner's future use.

Components Contained in Kit







75159

CAN 3 pump harness

Qty.	Description		
1	Signal driver harness assembly		
1	CAN 3 pump harness		

Power Steering Pump Harness Installation

NOTE: To prevent pump damage, ensure that the pump has been shut down at least two seconds before disconnecting the power or ground from the system.

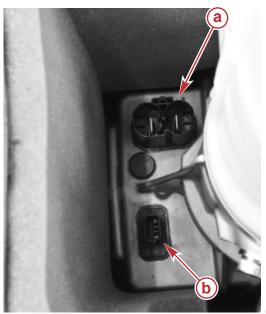
1. Remove the pump housing cover and route the harnesses through the opening as shown. Ensure the grommet seals the opening.



- a Harness route
- **b** Harness opening
- c Grommet

NOTE: Main power and ground harness comes in 4 ft, 12 ft, and 24 ft lengths.

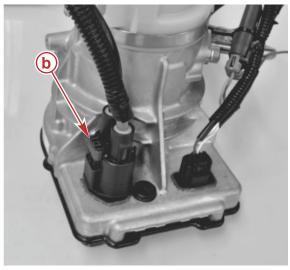
2. Connect the main power and ground connection to the power steering pump harness connector.



- a Main power and ground connection
- **b** Signal connection

68021





68024

Removed from housing for connection clarity

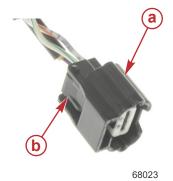
- a Locked position clip pushed down
- **b** Unlocked position clip pulled up

NOTE: Push main power and ground connector onto the power steering pump until a click is heard. Then push the clip down into the locked position. To remove connection, pull the lock clip upward. Then remove the connector.



- a Main power and ground connector
- **b** Release button or lock

3. Connect the power steering signal harness to the driver module harness connector.



- a Signal connector
- **b** Release button or lock

NOTE: On multiple engine applications, connect the driver module harness to the dual-, triple-, or quad-engine power steering signal harness adapter.

4. Route the power steering signal harness to the engines.

5. Mount the power steering pump harness fuse so that it is accessible. Ensure that the power steering pump harness battery ring terminals can reach the battery. Using the mounting hole, secure the fuse housing with the appropriate hardware.



- a Nut
- b Lockwasher
- c Small flat washer
- d Fuse—80-amp
- e Battery post connection plate
- f Cable terminal location

- 6. Connect the red cable from the power steering pump harness to the positive post on the battery. Secure it with a nut. Tighten the nut to the specified torque.
- 7. Connect the black cable from the power steering pump harness to the negative post on the battery. Secure it with a nut. Tighten the nut to the specified torque.

Description	Nm	lb-in.	lb-ft
Battery nuts	13.5	119.5	-

- 8. Secure the power steering signal harness with cable ties to prevent damage.
- 9. Install the pump housing cover on the pump housing.

IMPORTANT: On multiple engine installations, an automatic power switch (APS) must be used to connect all starting batteries to the power steering pump. The APS directs the voltage from the battery with the highest capacity charge to the output terminal of the APS.

Wire Color Code Abbreviations

Wire Color Abbreviations							
BLK	Black		BLU	Blue			
BRN	Brown		GRA	Gray			
GRN	Green		ORN	Orange			
PNK	Pink		PPL	Purple			
RED	Red		TAN	Tan			
WHT	White		YEL	Yellow			
LT	Light		DK	Dark			

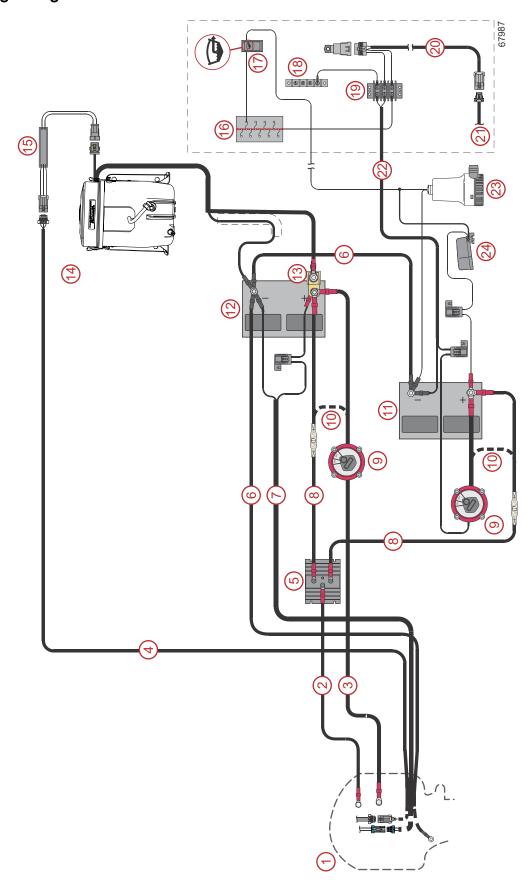
Wire Harness Diagrams

Wiring Diagrams

Wiring diagrams are an example of a Verado DTS installation. For JPO application, refer to the appropriate installation manual.

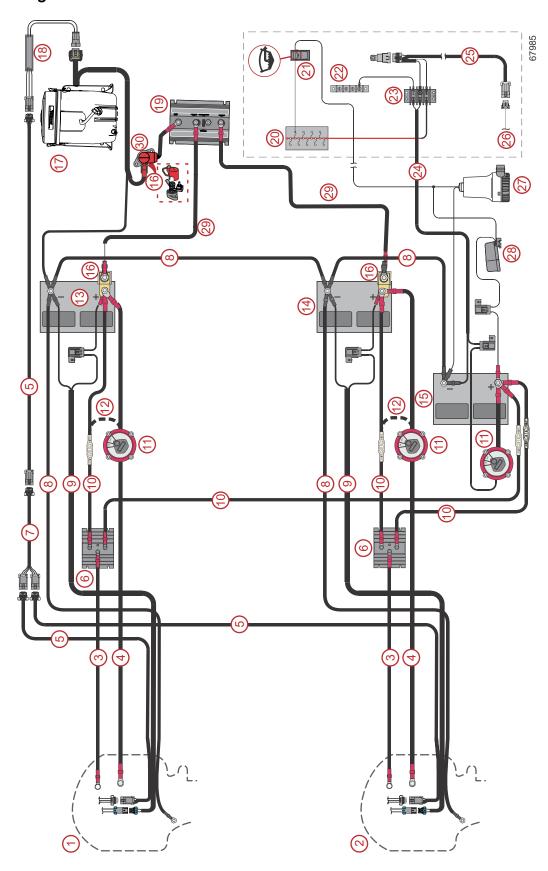
Notes:

Single-Engine Electrical Connections



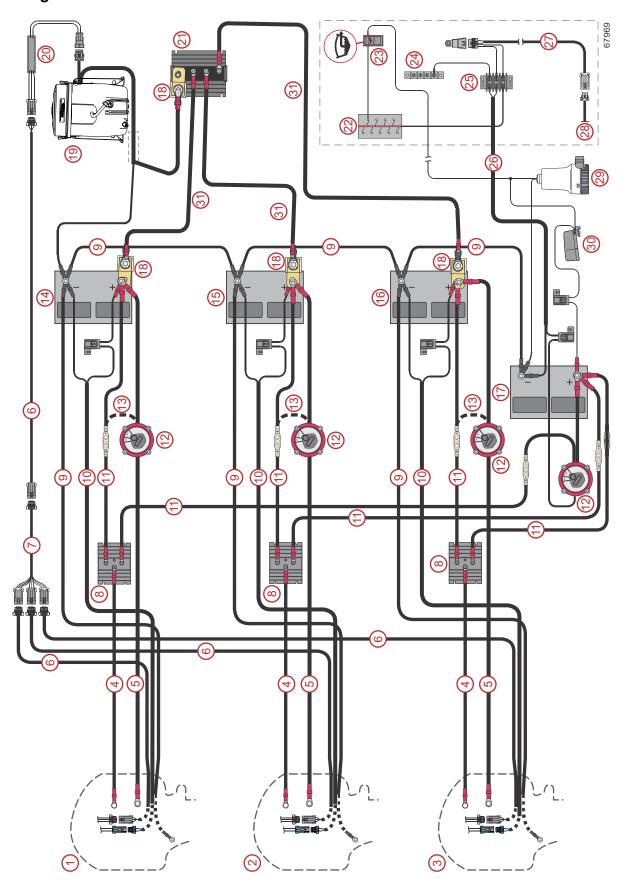
- 1 Engine
- 2 Alternator wire
- 3 Positive battery cable
- **4 -** Power steering signal harness
- 5 Battery isolator
- **6** Negative battery cable
- **7 -** DTS power harness
- 8 Fused harness
- 9 Battery switch
- 10 Alternate connection option
- 11 Auxiliary battery
- 12 Starting battery
- **13 -** 80-amp cube fuse
- 14 Power steering pump
- **15** Power steering driver module harness
- 16 Fuse panel
- 17 Bilge pump switch
- 18 Ground terminal block
- 19 Terminal block
- 20 Relay harness
- 21 DTS command module harness
- 22 Accessory power harness
- 23 Bilge pump
- 24 Bilge pump float switch

Dual-Engine Electrical Connections



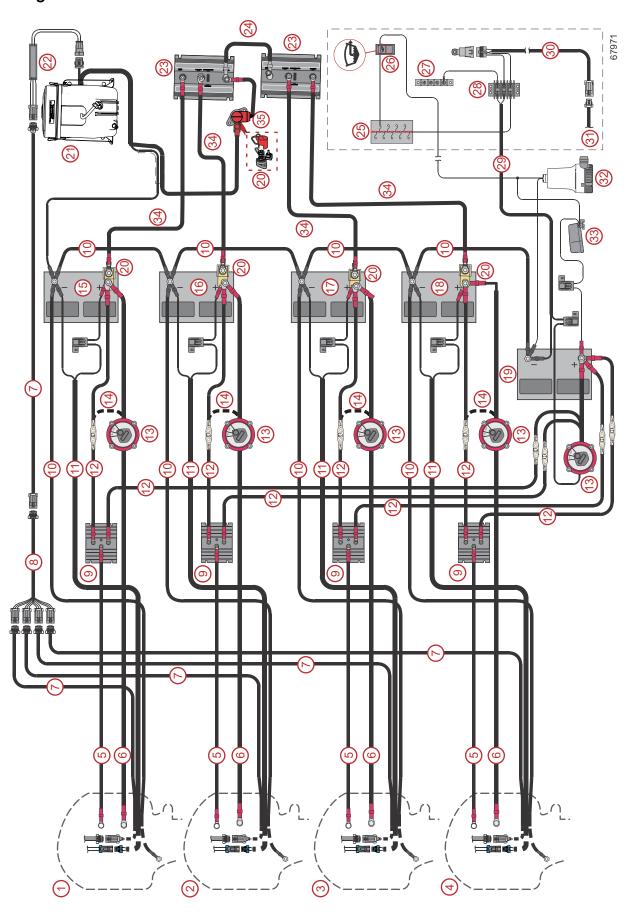
- 1 Port engine
- 2 Starboard engine
- 3 Alternator wire
- 4 Positive battery cable
- **5** Power steering signal harness
- 6 Battery isolator
- 7 Dual-engine power steering signal harness adapter
- 8 Negative battery cable
- 9 DTS power harness
- 10 Fused harness
- 11 Battery switch
- 12 Alternate connection option
- 13 Port engine starting battery
- 14 Starboard engine starting battery
- 15 Auxiliary battery
- **16 -** 80-amp cube fuse
- 17 Power steering pump
- 18 Power steering driver module harness
- 19 Automatic power switch (APS)
- 20 Fuse panel
- 21 Bilge pump switch
- 22 Ground terminal block
- 23 Terminal block
- 24 Accessory power harness
- 25 Relay harness
- 26 DTS command module harness
- 27 Bilge pump
- 28 Bilge pump float switch
- 29 Positive battery cable with 80-amp cube fuse
- 30 Hot stud

Triple-Engine Electrical Connections



- 1 Port engine
- 2 Center engine
- 3 Starboard engine
- 4 Alternator wire
- 5 Positive battery cable
- 6 Power steering signal harness
- **7 -** Triple-engine power steering signal harness adapter
- 8 Battery isolator
- 9 Negative battery cable
- 10 DTS power harness
- 11 Fused harness
- 12 Battery switch
- 13 Alternate connection option
- 14 Port engine starting battery
- 15 Center engine starting battery
- 16 Starboard engine starting battery
- 17 Auxiliary battery
- 18 80-amp cube fuse
- 19 Power steering pump
- 20 Power steering driver module harness
- 21 Automatic power switch (APS)
- 22 Fuse panel
- 23 Bilge pump switch
- 24 Ground terminal block
- 25 Terminal block
- 26 Accessory power harness
- 27 Relay harness
- 28 DTS command module harness
- 29 Bilge pump
- 30 Bilge pump float switch
- 31 Positive battery cable with 80-amp cube fuse

Quad-Engine Electrical Connections



- 1 Port outside engine
- 2 Port inside engine
- 3 Starboard inside engine
- 4 Starboard outside engine
- **5** Alternator wire
- 6 Positive battery cable
- **7 -** Power steering signal harness
- 8 Quad engine power steering signal harness adapter
- 9 Battery isolator
- 10 Negative battery cable
- 11 DTS power harness
- 12 Fused harness
- 13 Battery switch
- 14 Alternate connection option
- 15 Port outside engine starting battery
- 16 Port inside engine starting battery
- 17 Starboard inside engine starting battery
- 18 Starboard outside engine starting battery
- **19 -** Auxiliary battery
- 20 80-amp cube fuse
- 21 Power steering pump
- 22 Power steering driver module harness
- 23 Automatic power switch (APS)
- 24 APS jumper cable 15.24 cm (6 in.) or less; 8 gauge PVC at 105 °C (221 °F) (84-88807A33)
- 25 Fuse panel
- 26 Bilge pump switch
- 27 Ground terminal block
- 28 Terminal block
- 29 Accessory power harness
- 30 Relay harness
- 31 DTS command module harness
- 32 Bilge pump
- 33 Bilge pump float switch
- 34 Positive battery cable with 80-amp cube fuse
- 35 Hot stud