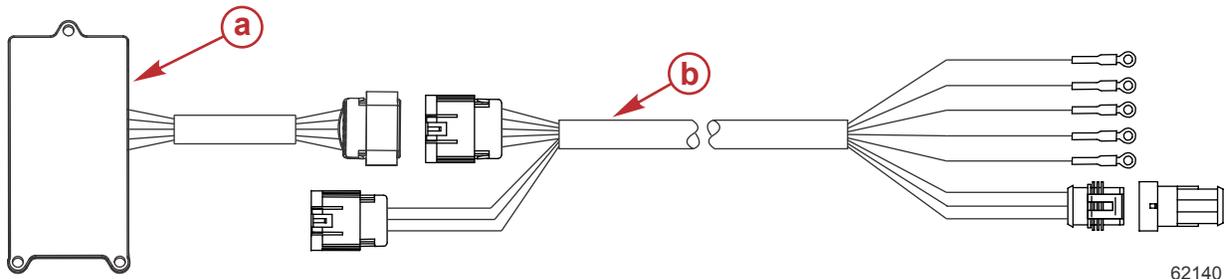


ANALOG GAUGE INTERFACE (AGI) MODULE

IMPORTANT: This document is written to aid our dealers and company service personnel in the proper installation or service of our products. Persons who are not familiar with these or similar products produced by Mercury Marine, and who have not been trained in the recommended servicing or installation procedures should have the work performed by an authorized Mercury Marine dealer. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to the installer or persons operating the product. Always refer to the appropriate Mercury Marine service manual for component removal and installation instructions.

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

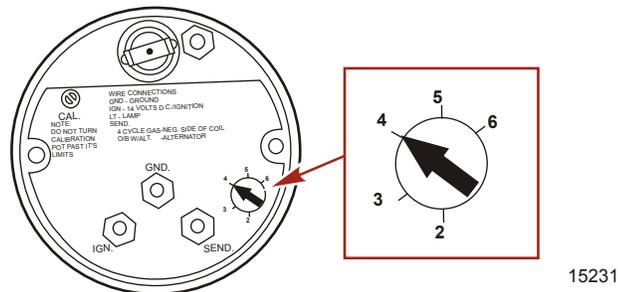
Components Contained in Kit



Ref.	Qty.	Description	Part Number
a	1	AGI module	NSS
b	1	AGI module harness	NSS

Analog Gauge Interface Installation

The AGI module can be used on MerCruiser or outboard models with the 14-pin non-DTS or 14-pin Digital Throttle and Shift (DTS) systems. Use the ring terminals on the AGI module harness to connect to the analog gauges. Tape back any unused terminals. Tachometers with pulse adjusting capability, must be set to 4P (or 8 cylinder).



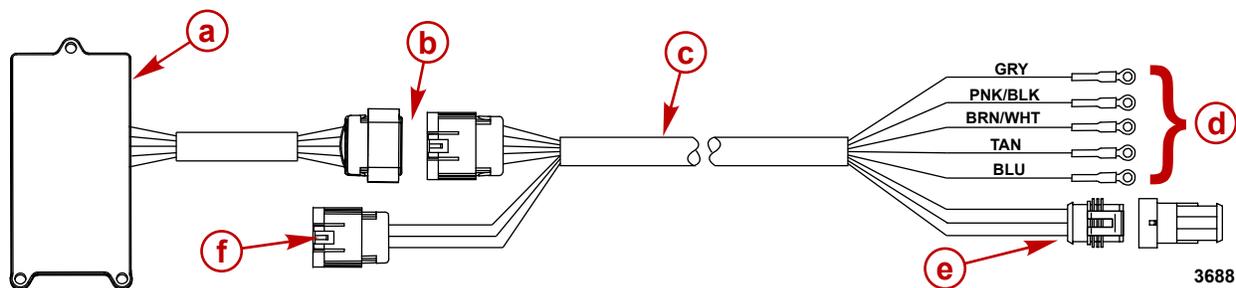
IMPORTANT: For SmartCraft System Link gauges, use the 3-pin System Link connector on the AGI module harness. The AGI system can support up to 10 System Link gauges per helm, 2 helms maximum.

IMPORTANT: Install the AGI module with the potted wires facing down to prevent moisture collecting at the base of the wires and wicking into the AGI module. Route and secure all wires away from hot or moving parts.

1. Install the AGI module securely under the dash or helm with the wires facing down, in close proximity to the gauges.
2. Refer to the following table for the AGI module harness wire connections. Tape back any unused terminals. Secure connections per gauge manufacturer's specifications.

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Analog Gauge Type	AGI Module Harness Wire Color
Tachometer	Gray
Fuel level	Pink/black
Trim positions	Brown/white
Water temperature	Tan
Oil pressure/oil level	Blue



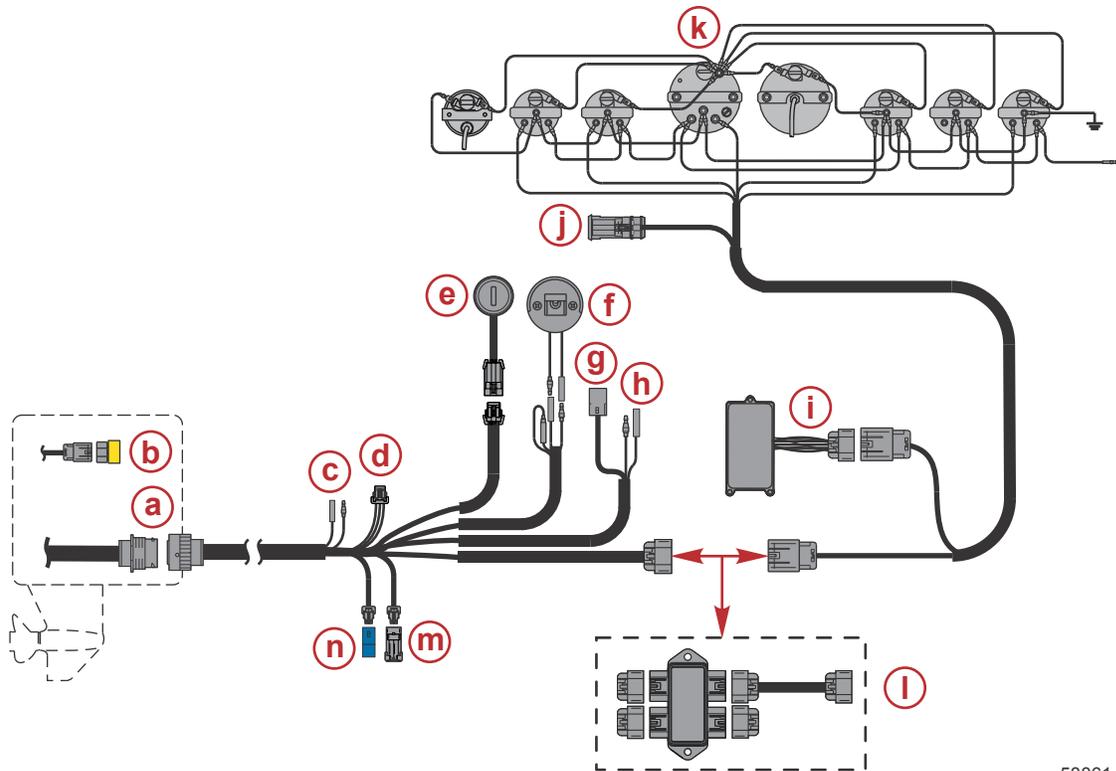
- a** - AGI module
- b** - 14-pin connection
- c** - AGI module harness
- d** - Analog gauge terminal connections
- e** - 3-pin System Link connector
- f** - AGI 10-pin connection

3. Ensure a 12 volt positive (+) power source from the key switch is connected to the analog gauges.
4. Ensure analog gauges are connected to a common engine ground.
5. Connect any SmartCraft System Link gauges to the 3-pin System Link connection.
6. Connect the AGI module harness to the AGI module.
7. Ensure the 10-pin junction box connector is connected to the AGI module harness 10-pin connector.

Wire Color Code Abbreviations

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

Typical AGI Module



58861

14-pin non-DTS shown, DTS systems similar

- a**- 14-pin connector
- b**- 120 ohm terminator resistor
- c**- Warning horn
- d**- Accessory relay
- e**- Key switch
- f**- Lanyard stop switch
- g**- Trim connector
- h**- Neutral safety switch
- i**- AGI box
- j**- 3-pin System Link connector
- k**- Analog gauges
- l**- Junction box with female/female adapter harness—optional

Configuring Tachometer Signal Through the PCM

The AGI works by receiving a digital signal from the PCM through the gray tachometer wire. The signal on this gray wire is set to analog from the factory. When installing an AGI, the signal on this wire must be switched to digital. This is done with the proper engine diagnostic tool. Refer to the appropriate service manual for your specific engine.

PCM Configuration with CDS

1. Attach the CDS tool to the engine.
2. From the Logon screen, navigate to the Engine Select screen.
3. From the Engine Select screen, fill in the engine type information and select Tool Box.
4. From the Tool Box screen, select Active Diagnostics.
5. From the Active Diagnostics screen, scroll down and select Tach Link Config.
6. To change the PCM configuration from analog to digital, select Enable and then select Run.
7. To change the PCM configuration from digital to analog, select Disable and then select Run.

PCM Configuration with CDS G3

1. Attach the CDS G3 tool to the engine.
2. Select the appropriate eBOM for your engine.
3. Select the Diagnostics icon at the bottom of the screen.
4. Select the Set Tach Link button.
5. Change the signal type from Analog to Digital.
6. Follow the on-screen instructions to complete the set up.