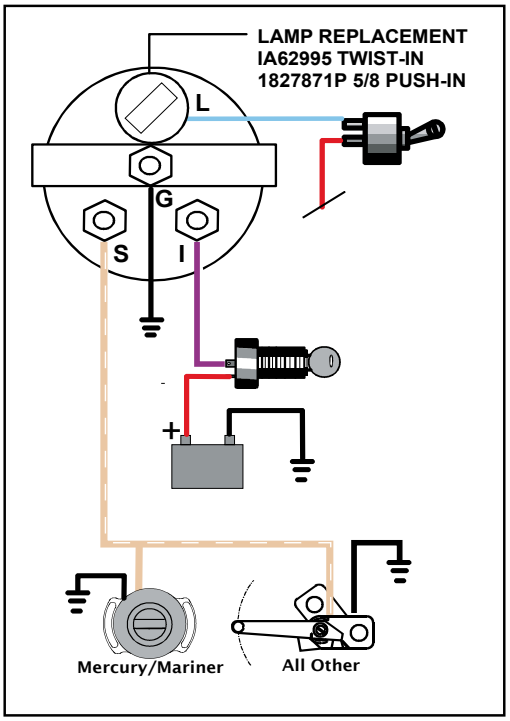
ENGINE TRIM SYSTEMS (EVINRUDE/FORCE/JOHNSON/MARINER/MERCURY/OMC COBRA/YAMAHA)

1. Senders for trim systems are not available from Teleflex. Senders must be purchased from the engine's dealer.
2. Teleflex does not furnish trim gauges for the following outboard engines: Nissan, Tohatsu, Chrysler & pre'95 Force.
3. Make sure your engine has a trim sender. Not all engines have a trim gauge option. The sender usually has two wires - brown with white stripe (Yamaha is pink) to gauge sender terminal, and black to ground. If the gauge seems to operate backwards from the way it should go, the wrong (not compatible) gauge is being used with the sender.
4. The Trim Gauge can be tested by: Power the gauge by connecting a positive wire to the "I" terminal and a ground wire to the "G" terminal. Have no other wires connected to the gauge. Pointer will read full UP (all Johnson/Evinrude, Suzuki, and OMC Selectrim listed in chart - they will read full DOWN). Next, with the power still connected, short the sender terminal at the gauge to ground. Pointer should go to the full DOWN position (all Johnson/Evinrude, Suzuki, and OMC Selectrim listed in chart - they will go to full UP).
5. Teleflex has special gauges (low current draw) for Yamaha pre-2001 outboard engines.
6. Every Teleflex Marine gauge can be identified by the part number printed on the side of the housing. Please reference this part number when contacting technical service or replacing the original gauge.

Sender Resistance (Ohms)		Engine Type
Up	Down	
33	240	Pre 1978 OMC I/O Selectrim*
2-10	88	Evinrude/Johnson Outboard
2 1/2	88	Suzuki
		DF 90/115 - 2001
		DF 25 and up-2002 on
167	10	Mercruiser, Mercury, Mariner
		OMC Cobra I/O
		Volvo DP, SX I/Os
		Force 95 and On 40, 50, 90, 120
		Yamaha Outboard 2001 On
84	5	Mercruiser Alpha, Bravo
		w/sender for 2 gauges
167	10	Yamaha EST Series I/O*
		(special low current draw gauge)
410	110	Yamaha Outboard Pre 2001



*** Trim gauges not available for the older resistances.**