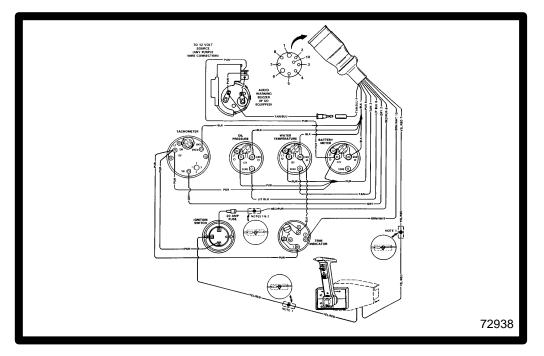
ELECTRICAL SYSTEMS



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WIRING DIAGRAMS

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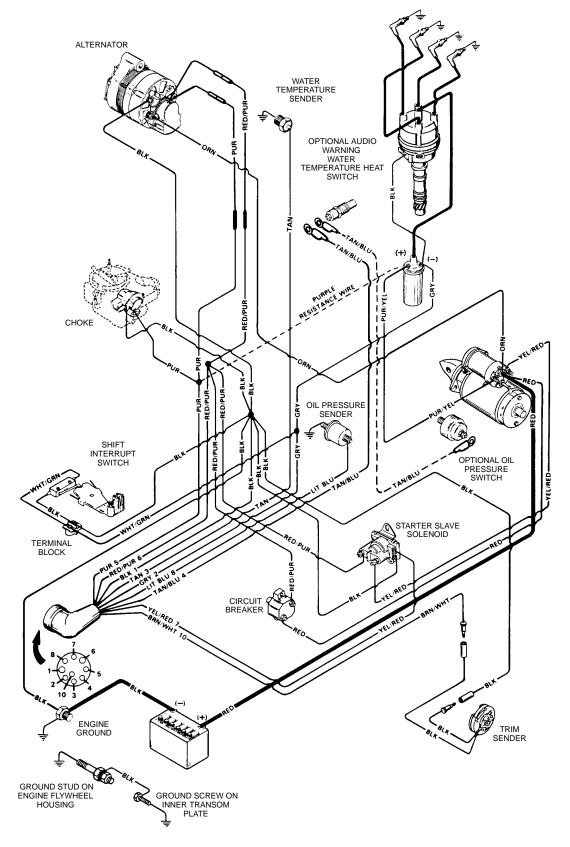
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Wiring Colors for MerCruiser

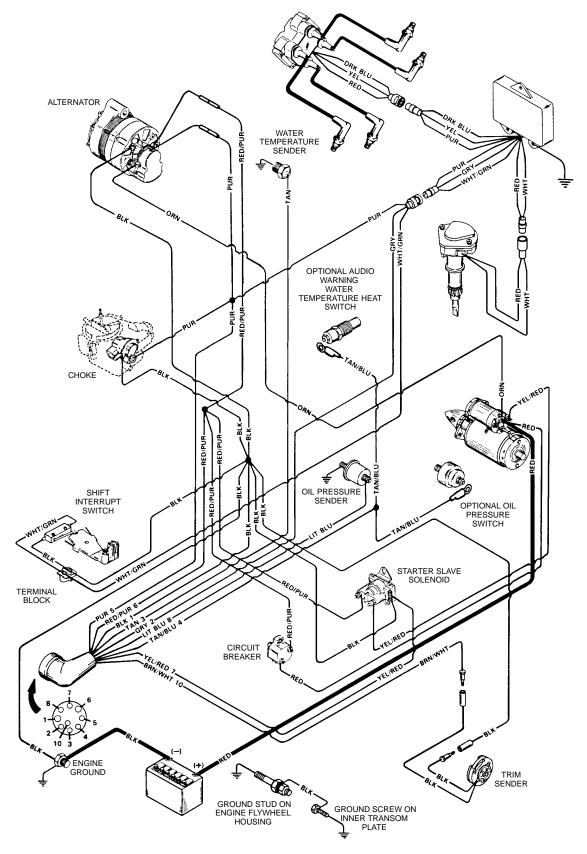
BIA COLOR CODE AND ABBREVIATIONS	WHERE USED
BLACK (BLK)	All Grounds
BROWN (BRN)	Reference Electrode-MerCathode
ORANGE (ORN)	Anode Electrode-MerCathode
LIGHT BLUE/WHITE (LIT BLU / WHT)	Trim- "Up" Switch
GRAY (GRY)	Tachometer Signal
GREEN/WHITE (GRN / WHT)	Trim -"Down" Switch
TAN (TAN)	Water Temperature Sender to Gauge
LIGHT BLUE (LIT BLU)	Oil Pressure Sender to Gauge
PINK (PNK)	Fuel Gauge Sender to Gauge
BROWN/WHITE (BRN / WHT)	Trim Sender to Trim Gauge
PURPLE/WHITE (PUR / WHT)	Trim-"Trailer" Switch
RED (RED)	Unprotected Wires from Battery
RED/PURPLE (RED / PUR)	Protected (Fused) Wires from Battery
RED/PURPLE (RED / PUR)	Protected (+12V) to Trim Panel
ORANGE (ORN)	Alternator Output
PURPLE/YELLOW (PUR / YEL)	Ballast Bypass
PURPLE (PUR)	Ignition Switch (+12 V)
YELLOW/RED (YEL / RED)	Starter Switch to Starter Solenoid to Neutral Start Switch

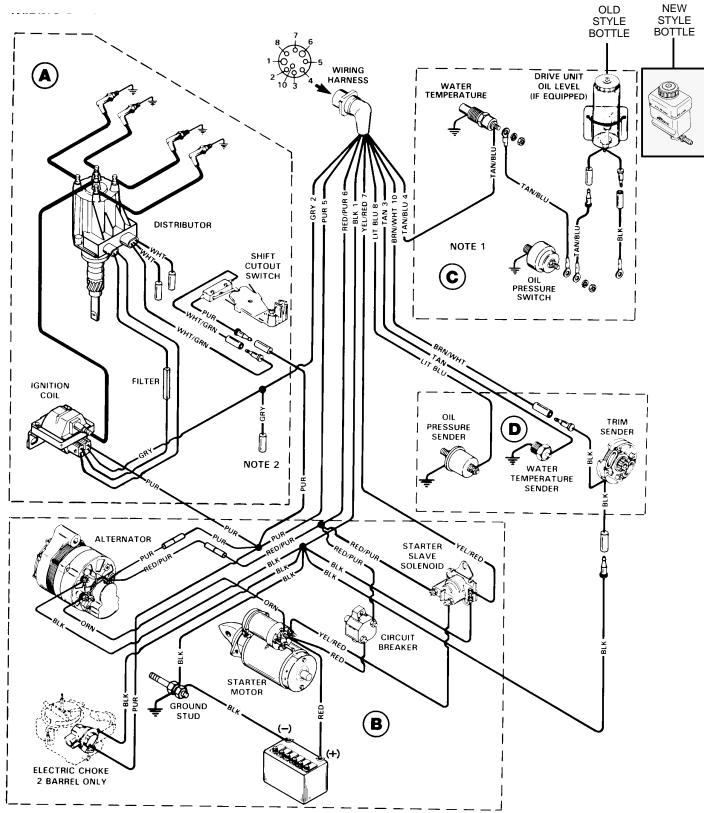
Wiring Diagrams

3.0L Engine Wiring Diagram (Breaker Points Ignition)



3.0L/3.0LX Engine Wiring Diagram (DDIS Ignition)





3.0L/3.0LX Engine Wiring Diagram (EST Ignition)

NOTE 1: Audio Warning System Standard On 3.0LX Models NOTE 2: Gray lead for use with service tachometer.

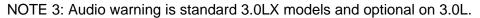
A - Ignition Components

- B-Starting, Charging and Choke Components
- C Audio Warning System Components

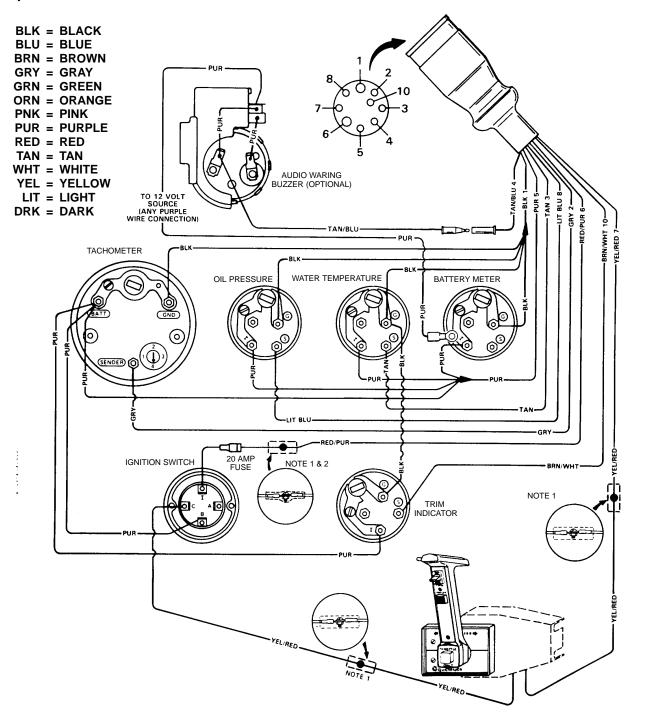
D-Instrumentation Components

Instrumentation Wiring Diagram (Battery Meter Circuit)

- NOTE 1: Connect wires together with screw and hex nut. Tighten securely and coat with Liquid Neoprene to help control corrosion: when dry, slide neoprene sleeve over connection.
- NOTE 2: Power for a fused accessory panel may be taken from this connection. Load must not exceed 40 amps. Panel ground wire must be connected to instrument terminal that has an 8-gauge BLACK (ground) har ness wire connected to it.

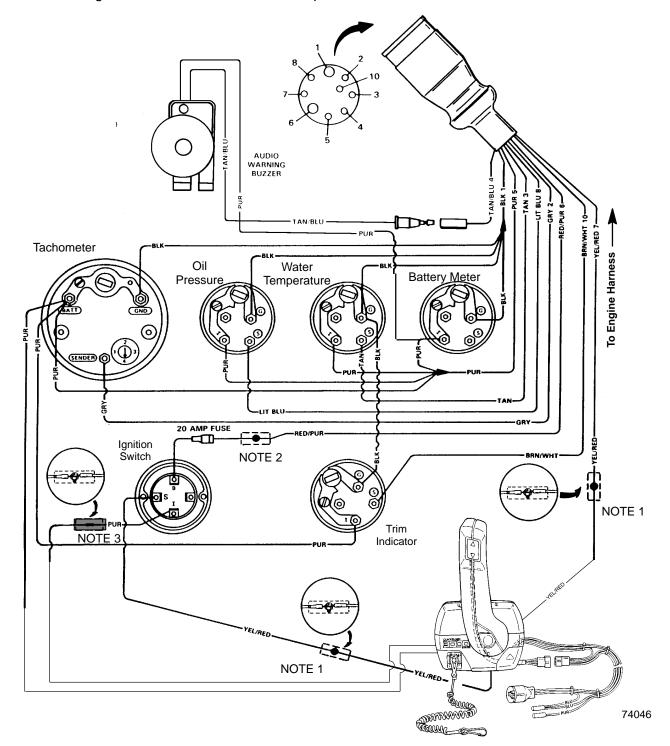


Audio warning buzzer is not external ignition proof, therefore, <u>DO NOT</u> mount buzzer in engine or fuel tank compartments.

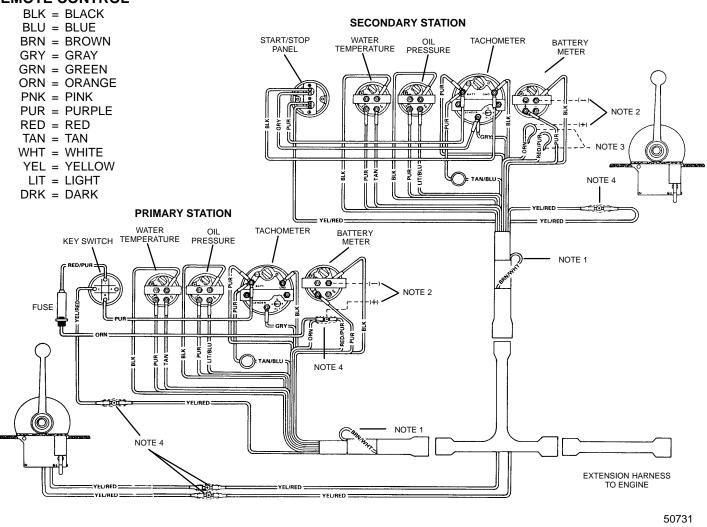


Earlier Style Audio Warning Buzzer

- NOTE 1: Connect wires together with screw and hex nut. Tighten securely and coat with Liquid Neoprene to help control corrosion: when dry, slide neoprene sleeve over connection.
- NOTE 2: Power for a fused accessory panel may be taken from this connection. Load must not exceed 40 amps. Panel ground wire must be connected to instrument terminal that has an 8-gauge BLACK (ground) harness wire connected to it.
- NOTE 3: Audio warning is standard 3.0LX models and optional on 3.0L.

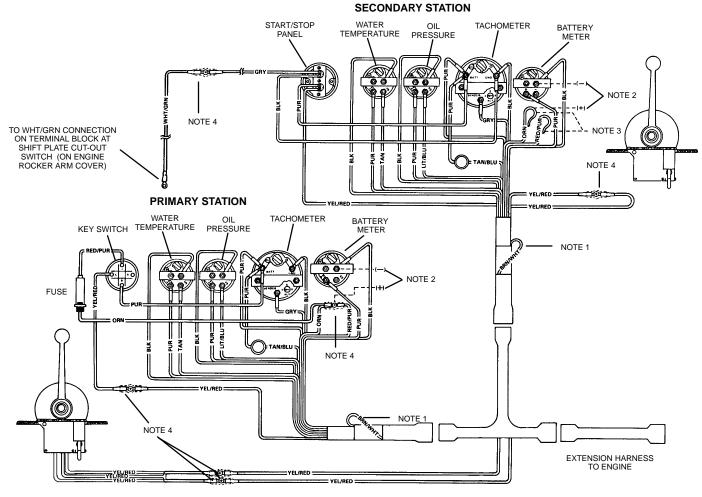


BREAKER POINT IGNITION - DUAL STATION USING A NEUTRAL SAFETY SWITCH IN ONLY ONE REMOTE CONTROL



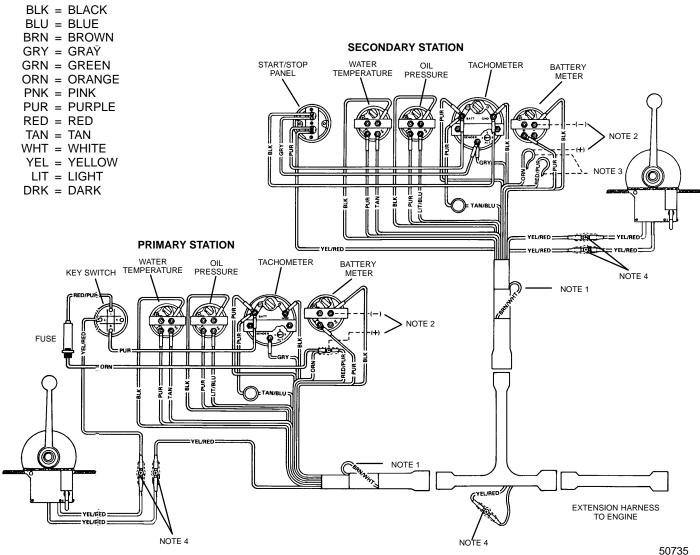
- NOTE 1: BROWN/WHITE wire is taped back at instrument end. If installing on boat that is equipped with MerCruiser Stern Drive, BROWN/WHITE wire is connected to the trim sender terminal block. Also can be used for an accessory (limit 5 amps).
- NOTE 2: An accessory fuse panel may be connected at this location. The combined current draw of the primary station and secondary station MUST NOT exceed 5 amps.
- NOTE 3: Tape back and insulate with at least four layers of electrical tape.
- NOTE 4: Connect wires together with screw and hex nut. Tighten securely and coat with Liquid Neoprene to help control corrosion; when dry, slide neoprene sleeve over connection.

EST AND DDIS IGNITION - DUAL STATION USING A NEUTRAL SAFETY SWITCH IN ONLY ONE REMOTE CONTROL



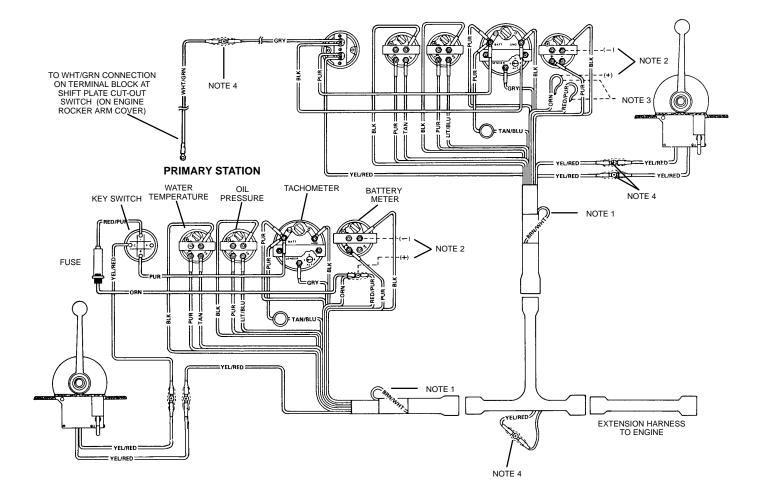
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- NOTE 4: Connect wires together with screw and hex nut. Tighten securely and coat with Liquid Neoprene to help control corrosion; when dry, slide neoprene sleeve over connection.

BREAKER POINT IGNITION - DUAL STATION USING A NEUTRAL SAFETY SWITCH IN BOTH REMOTE CONTROLS



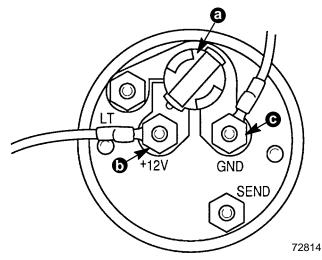
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EST AND DDIS IGNITION - DUAL STATION USING A NEUTRAL SAFETY SWITCH IN BOTH REMOTE CONTROLS



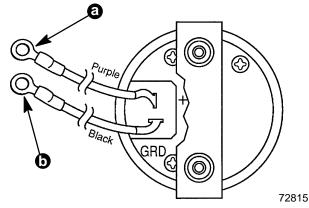
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Battery Meter Gauge



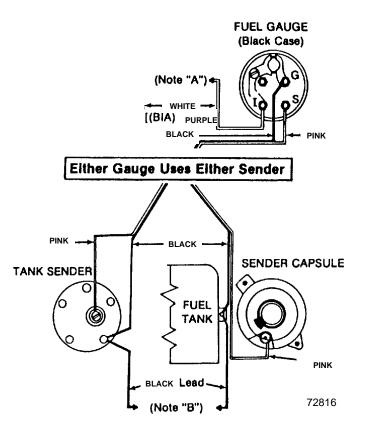
- a Lamp Mounting Hole
- b PURPLE (or WHITE) Jumper Wire from This Terminal to "I" (or +) Terminal on Water Temperature or Oil Pressure Gauge
- c BLACK Jumper Wire from This Terminal to Ground (–) Terminal on Water Temperature or Oil Pressure Gauge

Cruiselog



- a Connect to Ignition Switch Activated 12 Volt Positive (+) Source (PURPLE Wire)
- b Connect to Negative (-) Ground (BLACK Wire)

Fuel Gauge and Sender

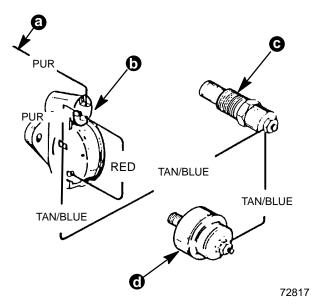


NOTE "A": Connect to "I" (Ignition) Terminal or Accessory Terminal of ignition switch.

NOTE "B": Connect to NEGATIVE (–) Battery Terminal Or Suitable Ground (–).

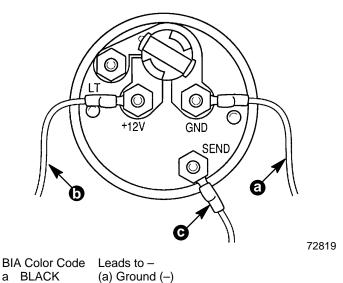
Audio Warning System

Buzzer is not external ignition-proof; therefore, DO NOT mount buzzer in engine or fuel tank compartments.



- a To 12 Volt (+) Positive Source
- b Audio Warning Buzzer
- c Water Temperature Heat Switch
- d Oil Pressure Switch

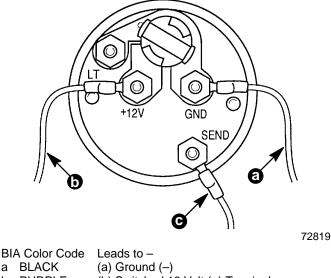
Water Temperature Gauge



(b) Switched 12 (+)_Volt Terminal

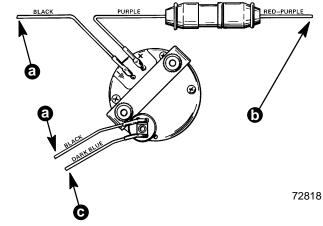
(c) Sender Lead

Oil Pressure Gauge



- а PURPLE (b) Switched 12 Volt (+) Terminal b
- LIGHT BLUE (c) Sender Lead с

Clock



- a Connect to a Terminal on an Adjacent Gauge or to Another Suitable Ground (-)
- b Connect to Instrument Harness RED/PURPLE Lead and Slide a
 - Rubber Sleeve over Connection
- c Connect to an "I" Terminal of an Adjacent Gauge or to Any Switched 12 (+) Volt Terminal

а

b

С TAN

PURPLE