

TO: SERVICE MANAGER TECHNICIANS
PARTS MANAGER

No. 89-10

REVISED
4-21-89

Wiring Harness Changes All MerCruiser Models

MerCruiser has changed the engine wiring harness on all 1989 models to include an audio-warning circuit (Figure 1). Engine wiring harness receptacle has been designed so that the older two large pin instrumentation harness can be used.

Instrumentation harnesses with three large pins cannot be used. If the two pin instrumentation harness is used a separate lead must be used for the audio-warning system. This lead will be provided with the engine for a period of time. Listed below are the part numbers of Quicksilver instrumentation wiring harnesses with the audio-warning system lead integrated. The new Quicksilver harness will be outfitted with a bullet connector for connecting the audio-warning buzzer at the dash (Figure 2). The new Quicksilver harnesses will supersede the existing harnesses and can be used wherever the old harnesses were recommended.

New Quicksilver Wiring Harnesses

Instrumentation Harnesses		
	New	Supersedes
With ring terminal leads for gauges		
3 ft. (915mm) harness	84-812475A3	84-94920A3
20 ft. (6.1 M) harness	84-812475A20	84-94920A20
25 ft. (7.62M) harness	84-812475A25	84-94920A25
With quick-disconnect, push-on connector for each small gauge		
3 ft. (915mm) harness	84-812476A3	84-94933A3
20 ft. (6.1 M) harness	84-812476A20	84-94933A20
25 ft. (7.62M) harness	84-812476A25	84-94933A25
Instrumentation Extension Harnesses		
	New	Supersedes
10 ft. (3.05M) harness	84-812441A10	84-65376A10
15 ft. (4.57M) harness	84-812441A15	84-65376A15
20 ft. (6.1M) harness	84-812441A20	84-65376A20
30 ft. (9.14M) harness	84-812441A30	84-65376A30
45 ft. (13.72M) harness	84-812441A45	84-65376A45
Dual Station "T" Harness Kit		
	84-91942A3	84-91942A2

Hurth Transmission Tool List

The following list of tools are needed for servicing Hurth Transmissions. The tools are in service stock.

Description	Part Number
Tapered Roller Bearing Inner Race Puller	91-813950
Tapered Roller Bearing Outer Race Puller	91-813951
Pressure Plate Removal/ Installation Tool - Reversing Clutch	91-813952
Roller Bearing Extractor	91-813953
Mandrel - Input Shaft Seal	91-813955
Mandrel - Output Shaft Seal	91-813956
Preload Tool - Input Shaft	91-813957
Preload Tool - Intermediate Shaft	91-813958
Thrust Washer Extractor	91-815499

Other Non Quicksilver Tools Required

Pressure Gauge (M10x1 Thread)
9 – 450 psi

Thermometer (3/8 in. Thread)
9 – 270°F (-18 – 132°C)

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- GRY = Gray
- GRN = Green
- ORN = Orange
- PNK = Pink
- PUR = Purple
- RED = Red
- TAN = Tan
- WHT = White
- YEL = Yellow
- LIT = Light
- DRK = Dark

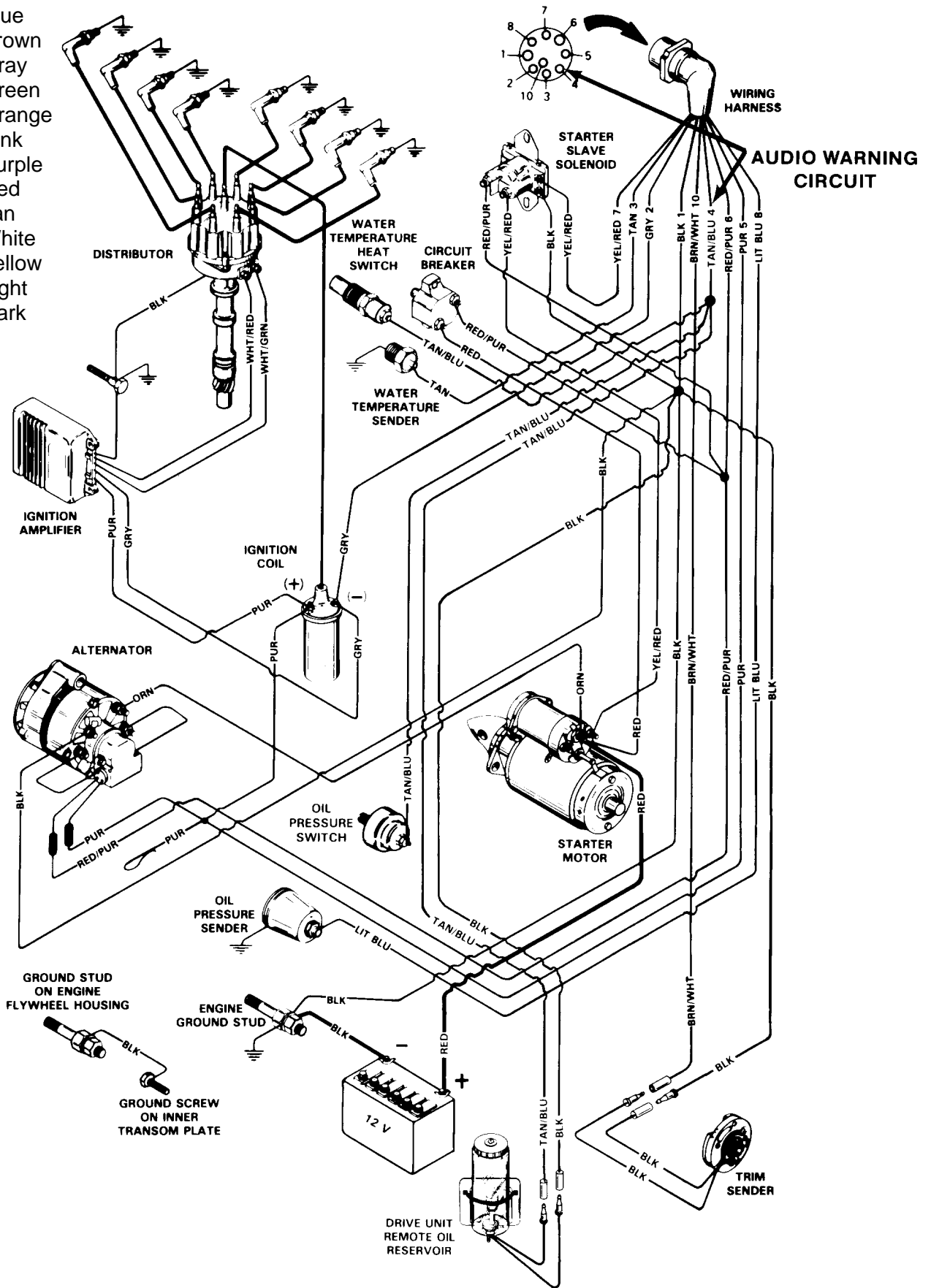


Figure 1. Typical Engine Wiring Harness with Audio Warning Circuit

50096

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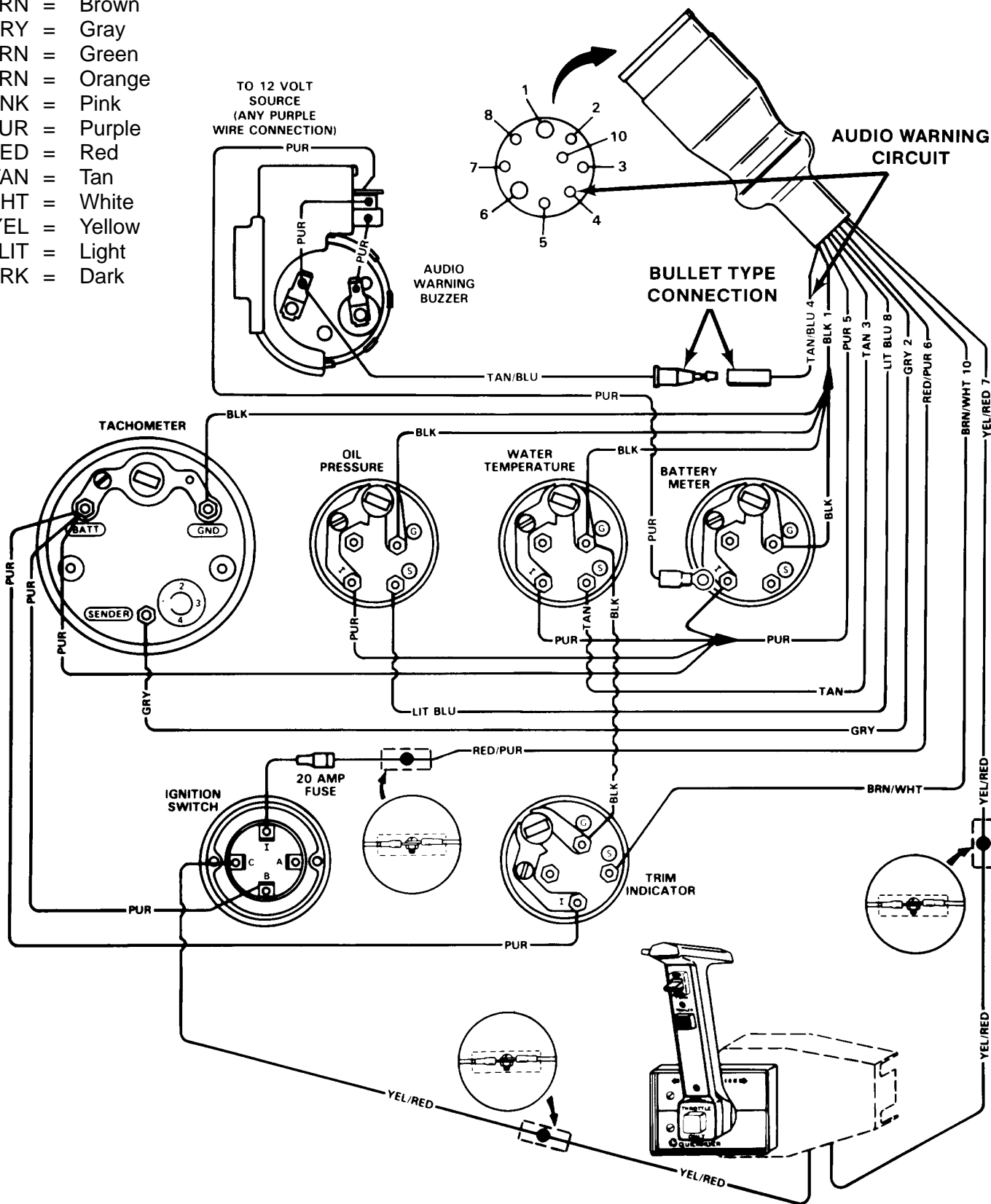


Figure 2. Typical Instrumentation Wiring Harness with Audio Warning Circuit