

FIGURE 2

HOURLY INTERPRETATION

The Hourmeter Counter actually reads engine revolutions in hundreds of thousands of revolutions. At a specific RPM the counter functions as an hour indicator. If your normal continuous RPM is not shown in the following chart, use the formula to determine average engine hours at your normal operating RPM. Tachometer may be other than 1:1 drive ration (reads cable speed). Also, various counter drive ratios are used.

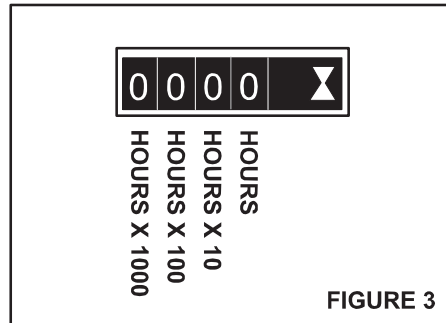


FIGURE 3

- 1850 RPM - Average Operating Speed
- 500 hours - Hourmeter Reading

$\frac{1667}{1850} = .90$ $.90 \times 500 \text{ hours} = 450.4 \text{ Actual Hours}$

P.T.O. LABEL

1. Some Tachometers have P.T.O. revolutions marked on the dial. For this reason, a P.T.O. decal may be enclosed.
2. Place the decal on the glass as indicated by the dial markings of the previous tachometer.

PREPARATION FOR INSTALLATION

1. Select a mounting location for the gauge which provides easy readability from the operator's position. Check behind the mounting location for installation clearance.
2. Cut a 3-13/32" (86mm) diameter hole through the panel at location selected.

Cable Ratio	Hourmeter Ratio	Hourmeter is Accurate at Indicated RPM:
.5 : 1	375 : 1	1250
.5 : 1	495 : 1	1650
.5 : 1	550 : 1	1833
.875 : 1	630 : 1	1200
.35 : 1	495 : 1	2357
1 : 1	1000 : 1	1667
1 : 1	1260 : 1	2100

Formula for time at other RPM settings:

1. RPM (from table above) divided by average continuous RPM.
2. Multiply results by Hourmeter Reading.
3. This is the actual operating time at the average continuous RPM setting.
4. Example:
 - 1 : 1 - Drive Ratio,
 - 1000 : 1 - Hourmeter Ratio
 - 1667 - Accurate RPM

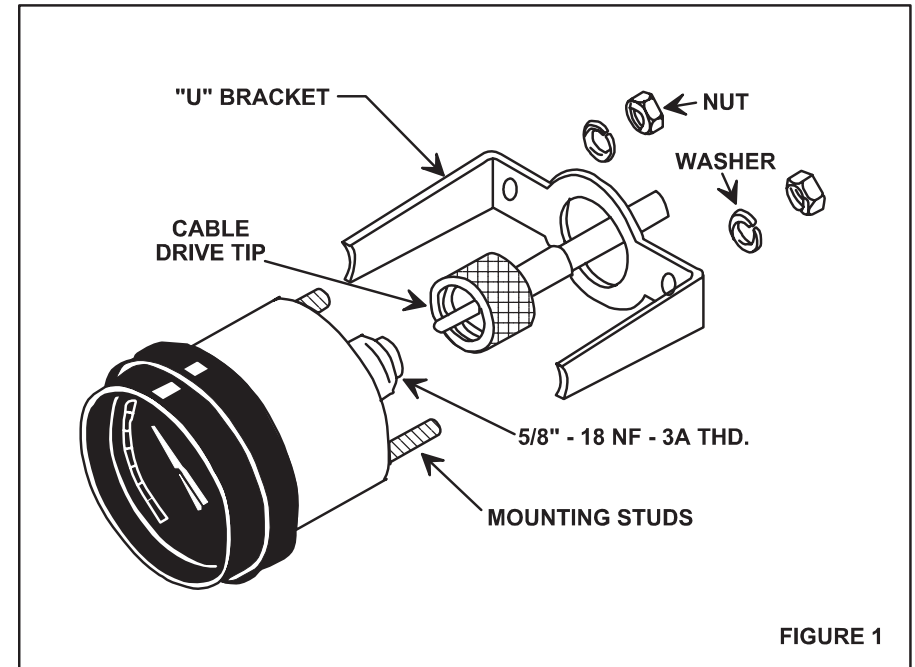


FIGURE 1

FOLLOWING ARE INSTRUCTIONS FOR INSTALLING AND WIRING THE MECHANICAL TACHOMETER/HOURLMETER.

CAUTION:
READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING WITH INSTALLATION. DO NOT DEVIATE.

Additional supplies required to complete installation:

If lighting is desired:

- No. 16 Stranded Insulated Wire.
- Insulated terminal lugs as required.
- 5/8" light socket and bulb.

PREPARATION FOR INSTALLATION

1. Select a mounting location for the gauge which provides easy readability from the operator's position. Check behind the mounting location for installation clearance.
2. Cut a 3-13/32" (86mm) diameter hole through the panel at location selected.
3. Insert gauge into mounting hole in panel and check fit.

4. Open Hardware Packet. Fit "U" bracket over mounting studs on back of gauge (See Figure 1). NOTE: Legs of bracket may be shortened if needed to accommodate thicker panels.

INSTALLATION OF GAUGE

After checking fit of gauge and "U" bracket, insert Gauge into panel and install bracket over mounting studs. Install a nut and washer onto each mounting stud as shown in Figure 1. **CAUTION: OVER TORQUING OF NUTS MAY CRACK GAUGE HOUSING OR MOUNTING PANEL.**

INSTALLATION OF CABLE

1. This Tachometer accepts a flexible drive cable with a .104" square drive tip and is secured with a 5/8"-18 NF-3A threaded nut.
2. After installing the gauge, insert the square cable tip into the gauge and tighten the nut firmly by hand. A pliers may be used to finish tightening the nut. **Do not over-tighten.**

INSTALLATION OF OPTIONAL LIGHTING

1. Remove plastic plug from socket hole.
2. Snap lamp and socket into socket hole.
3. Connect wires as shown in Figure 2.