

Airguide® Marine Tachometers

Models 676-A, 676-B and 966 FOR JOHNSON AND EVINRUDE OUTBOARDS WITH CAPACITOR DISCHARGE IGNITION SYSTEMS Instructions for Installation and Use

This Tachometer is Only for Capacitor Discharge Motors

This Airguide tachometer model is designed to operate only on Johnson and Evinrude motors with Capacitor Discharge Ignition Systems. It has different circuitry from tachometers designed for use on conventional battery and coil or magneto ignition motors and will not operate correctly on other motors with other types of ignition. Installation is not difficult, but these instructions should be read carefully and followed exactly for proper installation and operation.

Useful Accessory for Pleasure and Performance

Many benefits are gained by the use of an accurate tachometer with your inboard or outboard marine engine. Increased economy, performance and longer engine life can be obtained by operating your motor within the R.P.M. ranges suggested by the manufacturer. Improvements in propeller selection, motor positioning, boat trim and engine tune are immediately apparent. Airguide marine tachometers are ruggedly designed to give long and accurate service, and to add to your boating pleasure.

Location of the Indicator

Locate the tachometer indicator in a position where it may be easily seen from the helm. Remember to check the area behind the mounting position to be sure that it is accessible for the attachment of wires. In the case of flush mounting models, allow sufficient clearance for the case back which extends approximately 1" behind the instrument bezel ring.

Airguide tachometers use a special meter movement, having a low external magnetic field, to minimize compass interference, but it is advisable that at least 10 inches be allowed between the indicator and any compass, to prevent possible compass errors. The indicator and the wires connecting the indicator to the transmitter should be kept away from a radio transmitter and its associated wiring to prevent tachometer error or damage when the radio is in use. Consideration should also be given to the possibility of the addition of other matching Airguide marine instruments such as a speedometer, clock, barometer, etc.

Installing the Indicator

Use the enclosed template to mark the location of holes necessary to mount the indicator. Drill or cut the holes to the sizes indicated and secure the meter by means of the oval head screws provided.

Installing the Transmitter

Location of the transmitter is completely flexible. An out-of-the-way position behind the dashboard is fine. Use the transmitter as a template to locate the mounting holes. Drill two $3/32$ " holes and secure the transmitter with #6 x $5/8$ " round head screws provided.

Connecting the Transmitter to the Meter

Following the wiring diagram shown, connect the Red Transmitter lead to the Red Meter lead by inserting the two bared wire ends into one of the solderless connectors provided and twisting the connector in a clockwise direction. Should these wires, or any others, be too short, extend them with stranded copper wire such as plastic coated lamp cord.

Connect the Green Transmitter lead to the Green Meter lead in the same manner.

Connecting the Transmitter to the Engine Control Panel

Examine the back side of the engine control panel containing the key ignition switch, choke toggle switch and warning lights. You will see a lead tipped

with a metal connector and tagged "TACH. LEAD." Another similar wire is tagged "TACH. GROUND." Cut the metal connectors off each wire and strip about ¼ inch of each lead.

Using the solderless connectors, attach the Gray Transmitter lead to the wire tagged "TACH. LEAD." Then attach the Black Transmitter wire to the wire marked "TACH. GROUND." Connect the Yellow Transmitter lead to the "IGN" terminal of the ignition switch, or some other 12 volt power source.

Your tachometer is now ready for use.

Connecting the Indicator Light

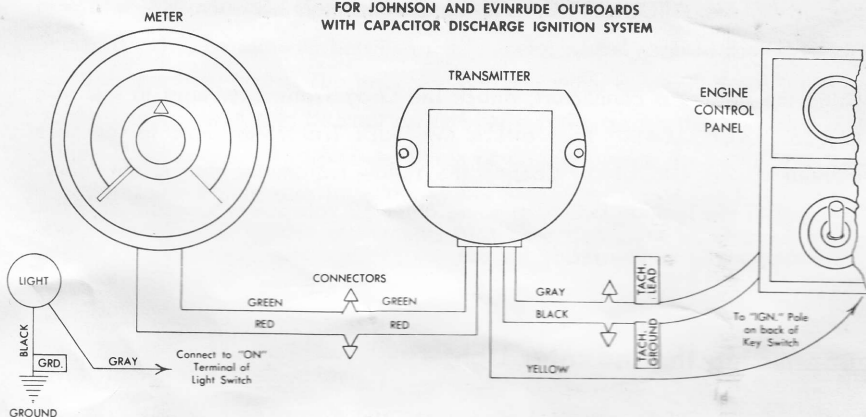
The black light wire must be attached to a ground in the electrical system. Attach the grey light wire to the "ON" terminal of your light switch so that it goes on and off with the running lights.

Using the Dial Pointer

The Dial Pointer on Airguide wide sweep tachometers can be used either as a "red line" or as a tune-up and propeller selection guide. By aiming the pointer at the maximum safe R.P.M. rate for your motor (check your owner's manual or with your dealer) you can have a fixed reference which will indicate the safe upper operating limit of your engine. By setting the Dial Pointer at the maximum engine speed at a given throttle opening, it can easily be seen whether changes in engine tune, boat trim or propeller selection are benefiting your performance.

WIRING DIAGRAM

Models 676-A, 676-B and 996
FOR JOHNSON AND EVINRUDE OUTBOARDS
WITH CAPACITOR DISCHARGE IGNITION SYSTEM



GUARANTEE

We guarantee this Airguide Instrument to be free from defects of workmanship or material and to remain accurate in normal use. If within one year of purchase date this instrument fails to give satisfactory service, it will be repaired or replaced without charge. This guarantee does not cover breakage through accident or misuse. Replacement will be made if this instrument is returned postpaid to

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