

INSTRUCTIONS

AIRGUIDE SEA-SPEED[®] MARINE TACHOMETERS

Airguide Sea-Speed marine tachometers are manufactured in two basic circuits. Model 664 is made for engines with magneto ignition. Model 665 is designed for use with battery ignition. The two are not interchangeable.

Transmitters and indicators are carefully matched in the manufacturing process at the Airguide factory. If you will examine the backs of the components in this carton, you will find the transmitter and the indicator bear matching serial numbers. This insures the fact you have a factory-matched unit.

General Uses for a Tachometer

Listed briefly, some of the many benefits of tachometer use with your motor are: Insurance against operating the motor at more than the manufacturer's recommended RPM. Helps you get the maximum efficiency from your motor. Provides evidence while tuning your motor. Helps you select the proper motor-boat-propeller combination. Helps you determine the proper tilt angle and running depth for your motor.

All of these benefits and more may be gained through the proper use of your tachometer. An Airguide speedometer, working alongside your tachometer will provide additional information to increase your boating pleasure.

Location of the Meter

Your tachometer indicator should, of course, be located where you can easily read it when the boat is in operation. About the only restriction on the location of the indicator is that it should not be within 18" of your compass. Installation closer to your compass may seriously affect its accuracy.

Indicators should be kept away from radio transmitters and any wiring associated with your radio transmission. Considerable tachometer error may result from locating tachometer wiring near radio transmitting antenna or ground leads.

Ordinary care should also be used to locate the indicator where it will not be exposed to rain or heavy spray.

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

AIRGUIDE INSTRUMENT COMPANY
2210 Wabansia Avenue
Chicago, Illinois 60647

Installing the Indicator

Use the enclosed template to mark the location of holes and screw locations for securing the indicator to your boat. Secure indicator in position by means of the (3) #2 x $\frac{5}{8}$ " oval head wood screws provided.

Installing the Transmitter

The transmitter should be placed in some out-of-the-way location. Keep in mind the fact that you will need to run some leads to the indicator from this transmitter's location, and other leads to the motor's ignition system. Diagrams of this wiring are provided on pages 3, 4 and 5 of this sheet. Select a suitable location protected from spray and rain. Using the transmitter as a template, mark the indicated mounting hole locations. Drill (2) $\frac{3}{32}$ " diameter holes and secure transmitter in position by means of the (2) #6 x $\frac{5}{8}$ " round head wood screws provided.

Connecting the Transmitter

TWO NOTES OF CAUTION!!!

1. Connect wires from magneto, coil or distributor breaker points **ONLY** to black and yellow transmitter leads. See wiring diagrams.
2. On some marine and foreign ignition systems, the positive or + terminal of the battery is grounded. When this is the situation, reverse the connections indicated for the yellow and the black transmitter leads.

When used with the 3-cylinder 1961 (or later) Flying Scott motor: Attach the yellow transmitter lead to the small wire which connects the distributor to the spark coil. There is a patented connector about mid-length of this wire, providing an ideal place to complete the splice. The splice should be taped carefully to protect it from excess moisture.

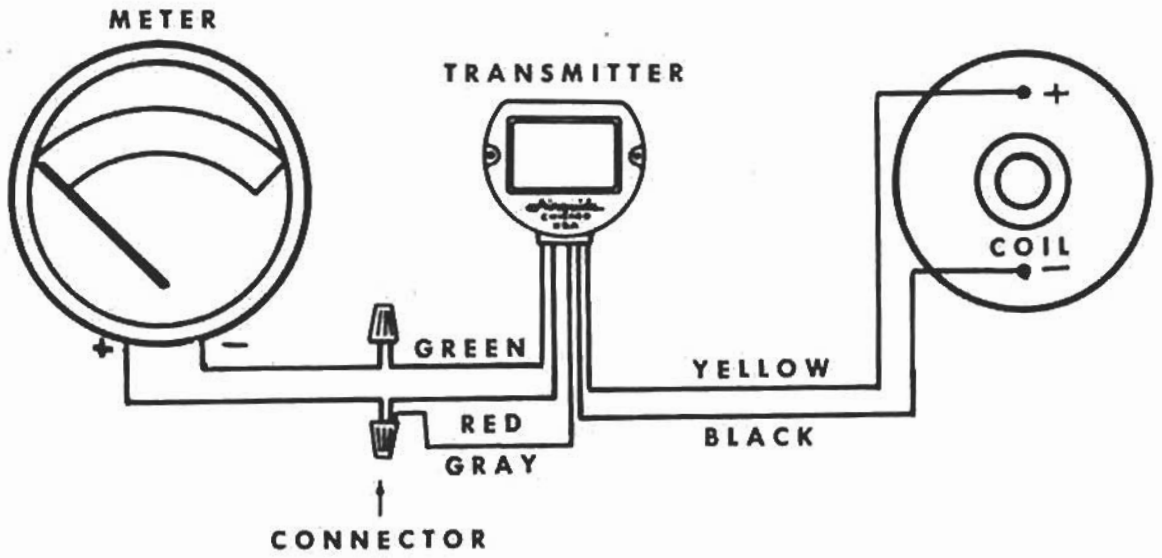
Ordinary rubber or plastic-covered, two-wire conductor such as lamp cord may be used to connect the transmitter to the indicator or to ignition. Following are diagrams which indicate the proper methods to complete the wiring of Airguide Marine Tachometers.

Splicing the inter-connecting leads has been simplified by means of the (4) insulated connectors provided. Strip $\frac{1}{4}$ " of the insulation from the leads to be joined, then insert them into the connector together and then screw connector down securely, in a clock-wise direction.

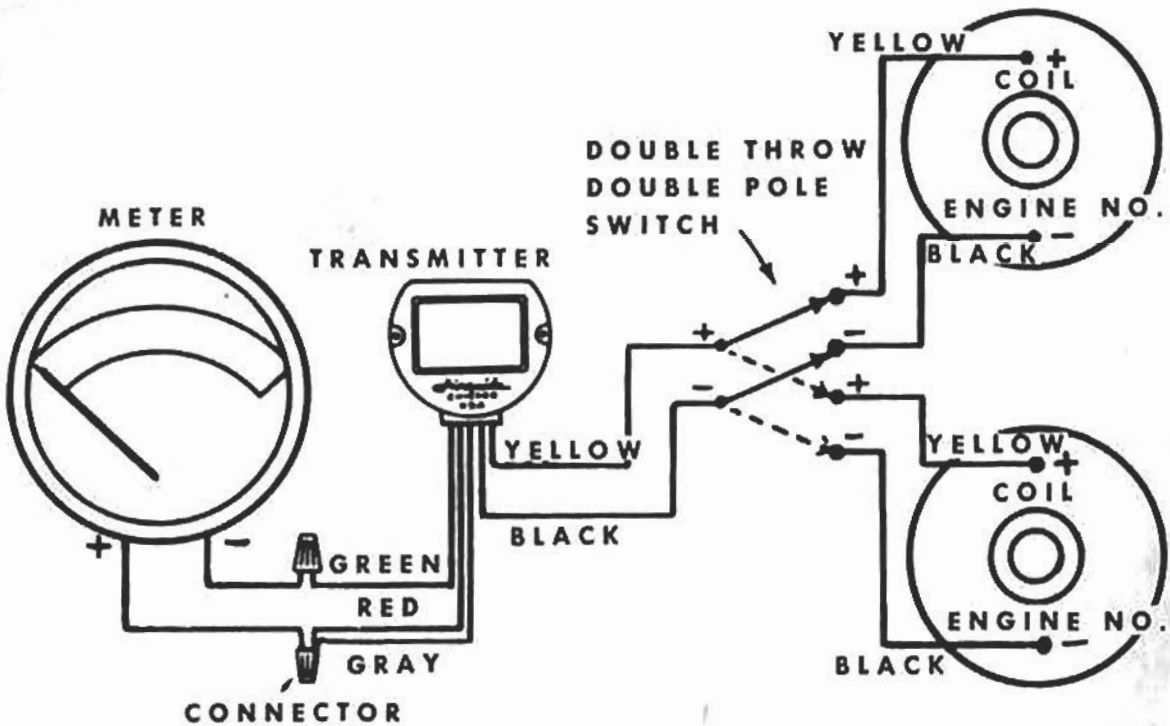
WIRING DIAGRAMS

Model 665

3 and 6 Cylinder

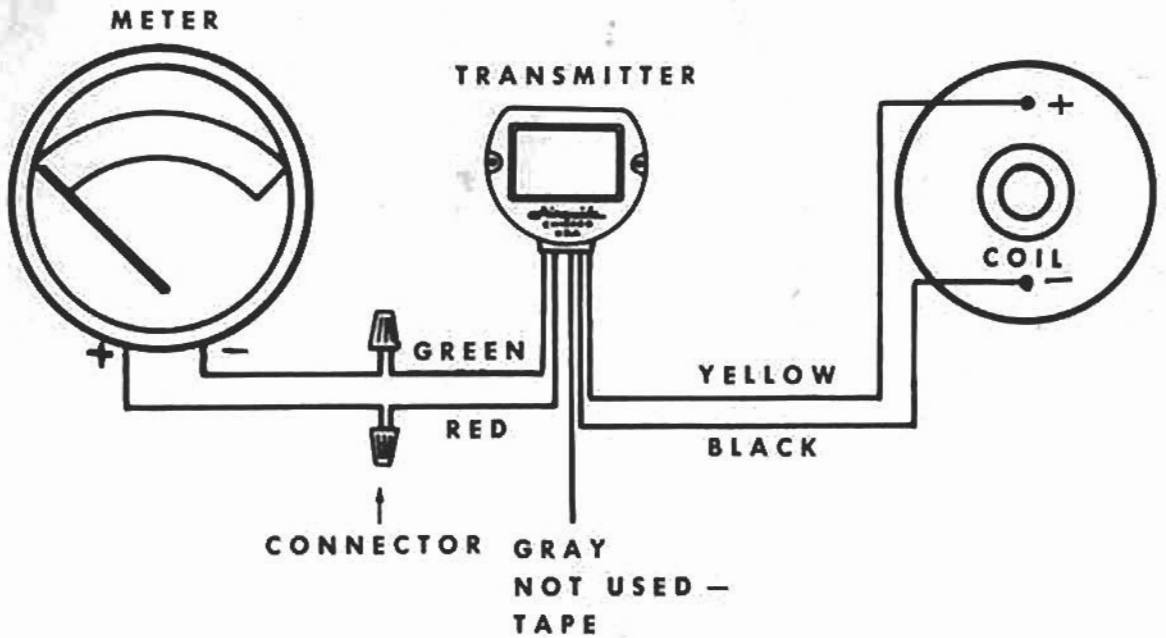


3 and 6 Cylinder Dual Engine Installation

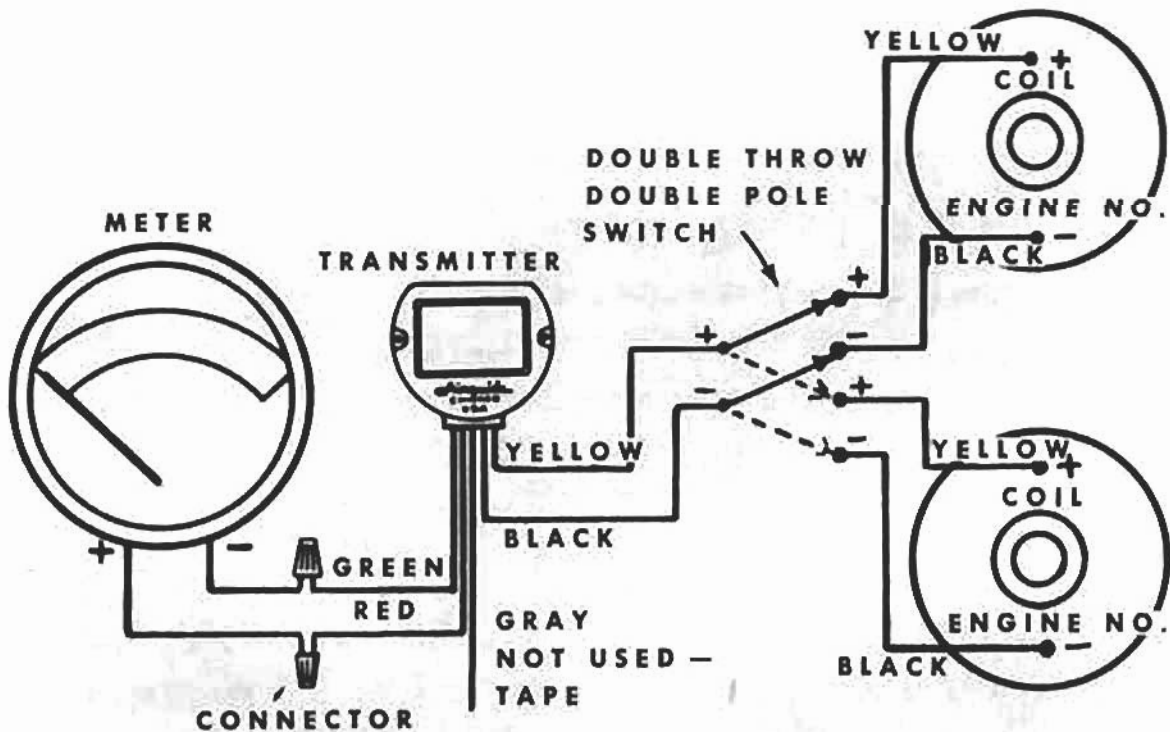


WIRING DIAGRAMS

Model 665 4 Cylinder



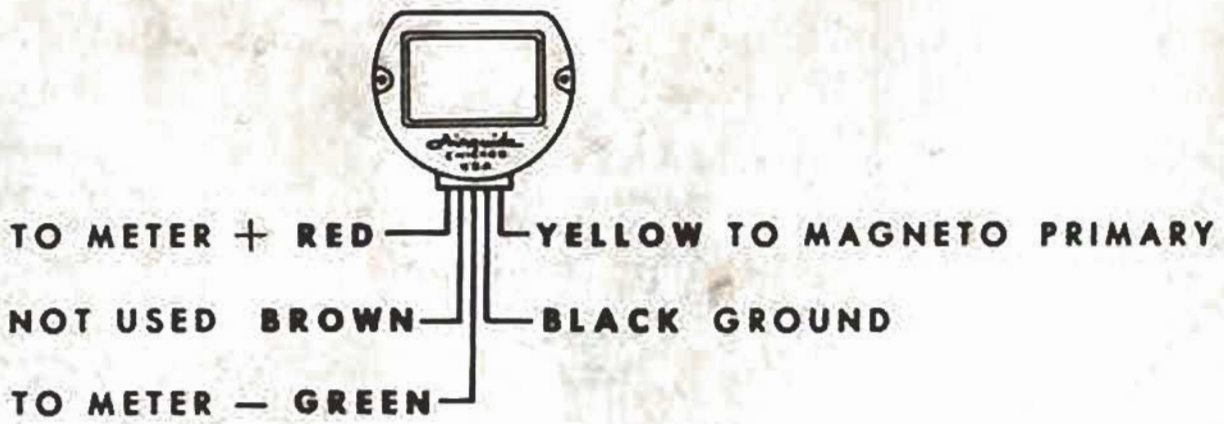
4 Cylinder Dual Engine Installation



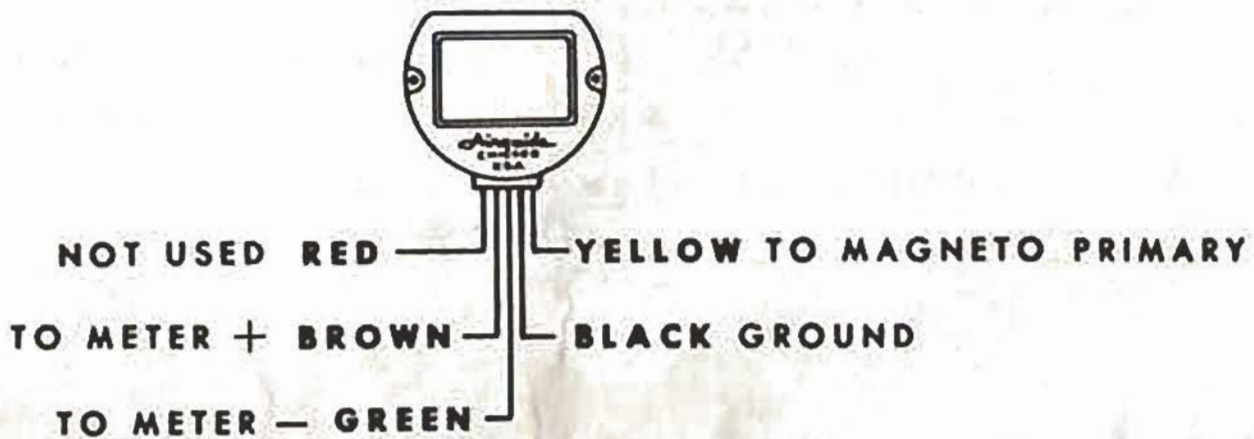
WIRING DIAGRAMS

Model 664

2 CYL.



4 CYL.

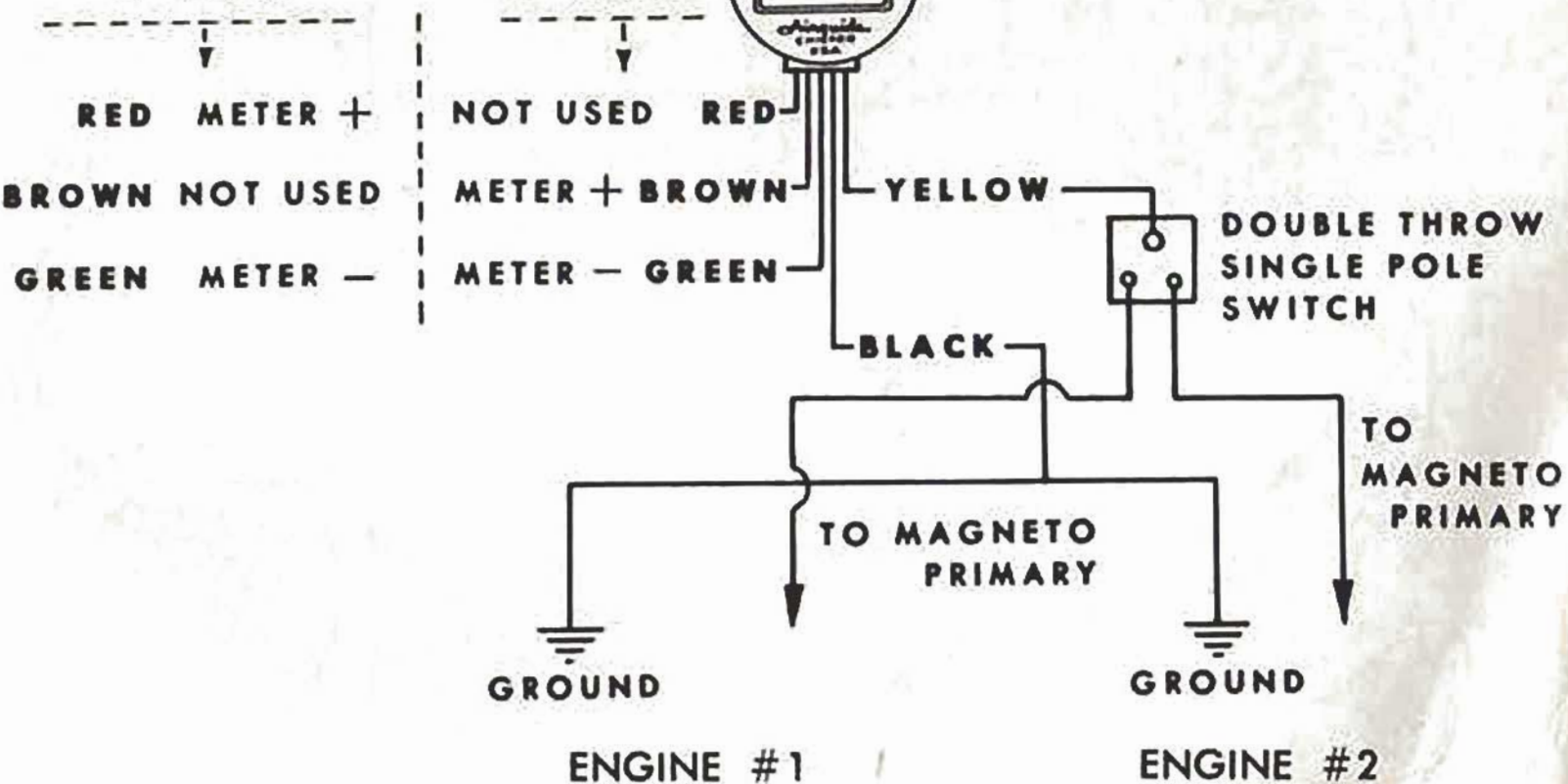


DUAL ENGINE INSTALLATION

WHERE BOTH ENGINES
ARE:

2 CYL.

4 CYL.



IMPORTANT NOTICE

To use this Airguide Tachometer on Chrysler 75 or 105 HP Outboard Motors, it is necessary to obtain an Airguide No. 784 Adapter Kit from your dealer. This Adapter Kit is necessary for correct operation.

No. 784 Adapter Kit \$2.50 Retail

AIRGUIDE INSTRUMENT CO.

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