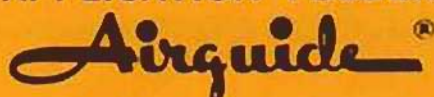


APPLICATION FOLDER



MULTI-CIRCUIT MARINE TACHOMETERS

Models 690-AA and BB Sea-Speed® Style
 Models 691-AA and BB Stainless Steel Style
 Model 694 Deck Mount Style

SUIT ALL OUTBOARD MOTORS LISTED IN THIS FOLDER

PLUS MANY INBOARDS, OUTDRIVES, AND OLDER OUTBOARD MODELS

(See General Applications)

See Instructions for Complete Installation Details.

YR.	MERCURY MOTORS MODEL NAME	TYPE OF IGNITION	TACH PULSE SOURCE	USE METER WIRING METHOD
1970-4	Multi-Circuit Tachometers not suitable. See special plug-in Airguide Tachometers for these motors at your Airguide dealers.			
1969	Mercury 350	Magneto	Magneto	A
	Multi-Circuit Tachometers not suitable for other 1969 motors. See special Airguide plug-in tachs for Mercury at your dealers.			
1968	Mercury 350	Magneto	Magneto	A
	Multi-Circuit Tachometers not suitable for other 1968 motors. See special Airguide plug-in tachs for Mercury at your dealers.			
1967	Mercury 350	Magneto	Magneto	A
	Mercury 500S Mercury 650S	Magneto	Magneto	Not Suitable
	Multi-Circuit Tachometers not suitable for other 1967 motors. See special Airguide plug-in tachs for Mercury at your dealers.			
PRE-1967	All 2 Cylinder models	Magneto	Magneto	A
	All 4 Cylinder models	Magneto	Magneto	Not Suitable
	All 6 Cylinder models except 1966 "SS" models	12 Volt Battery & Coil	1 Coil	C
GENERAL APPLICATIONS CYCLES—CYLINDERS		TYPE OF IGNITION	TACH PULSE SOURCE	USE METER WIRING METHOD
2 Cycle—2 Cylinder		Magneto	Magneto	A
2 Cycle—3 Cylinder 2 Cycle—6 Cylinder		12V. Batt. & Coil	Points	C
2 Cycle—4 Cylinder		12 V. Batt. & Coil	Points	D
4 Cycle—6 Cylinder		12V. Batt. & Coil	Points	C
4 Cycle—8 Cylinder		12 V. Batt. & Coil	Points	D

SEE BACK PAGE FOR
 METER WIRING METHODS

JOHNSON MOTORS

YR.	MODEL NAME—MODEL NO.	Engine Connection Tips	Meter Wiring Methods
1974	Twin 25 25R74, 25RL74 Twin 25 25E74, 25EL74 Twin 40 40R74, 40RL74	III OR IV	A
	Twin 50 50ES74 50ESL74 3 Cyl 70 70ES74 70ESL74 (Stinger styled) 70ESLR74 V-85 85ESL74 V-115 115ESL74 115ETL74 V-135 135ESL74 135ETL74	I	F
1973	Twin 25 25R73, 25RL73 Twin 25 25E73, 25EL73 Twin 40 40R73, 40RL73 Twin 40 40E73, 40EL73	III OR IV	A
	Twin 50 50ES73, 50ESL73 3 Cyl 65 65ES73, 65ESL73 (Stinger styled) 65ESLR73 V-85 85ESL73 V-115 115ESL73 V-135 135ESL73 V-150 KR-15M Stinger G.P.	I	F
1972	Twin 25 25R72, 25RL72 Twin 25 25E72, 25EL72 Twin 40 40R72, 40RL72 Twin 40 40E72, 40EL72	III OR IV	A
	Twin 50 50ES72, 50ESL72 3 Cyl 65 65ES72, 65ESL72 V-85 85ESL72 V-100 100ESL72 V-125 125ESL72	I	F
1971	Twin 25 25R71, 25RL71 Twin 40 40R71, 40RL71 Twin 40 40E71, 40EL71	III OR IV	A
	Twin 50 50ES71, 50ESL71 3 Cyl 60 60ES71, 60ESL71 V-100 100ESL71 V-125 125ESL71	I	F

JOHNSON MOTORS		Engine Connection Tips	Meter Wiring Method
YR.	MODEL NAME—MODEL NO.		
1970	Twin 33 33R70, 33RL70 Twin 33 33E70, 33EL70 Twin 40 40R70, 40RL70 Twin 40 40E70, 40EL70	III OR IV	A
	Twin 40 40ES70, 40ESL70 3 Cyl 60 60ES70, 60ESL70 V-85 85ESL70 V-115 115ESL70	I	F
1969	Twin 33 33R69, 33RL69 Twin 33 33E69, 33EL69 Twin 40 40R69, 40RL69 Twin 40 40E69, 40EL69 Twin 40 40ES69, 40ESL69	III OR IV	A
	3 Cyl 55 55ES69, 55ESL69	I	C
	V-85 85ESL69 V-115 115ESL69	I	F
1968	Sea Horse 33 RX, RXL-16 Sea Horse 33 RXE, RXEL-16 Sea Horse 40 RD, RDL-30 Sea Horse 40 RDS, RDSL-30 Sea Horse 40 RK, RKL-30	III OR IV	A
	Sea Horse 55 TR, TRL-10	I	C
	Sea Horse 65 VX, VXL-14 Sea Horse 65 VXH, VXHL-14 Sea Horse 85 V4S, V4SL-20 Sea Horse 85 V4A, V4AL-20	I	D
	Sea Horse 100 V4TL-14 Sea Horse 115 GT-115	Not Suitable	
	Sea Horse 33 RX, RXL-15 Sea Horse 33 RXE, RXEL-15 Sea Horse 40 RD, RDL-29 Sea Horse 40 RDS, RDSL-29 Sea Horse 40 RK, RKL-29	III OR IV	A
1967	Sea Horse 60 VX, VXL-13 Sea Horse 60 VXH, VXHL-13 Sea Horse 80 V4S, V4SL-19 Sea Horse 80 4A, V4AL-19	I	D
	Sea Horse 100 V4TL-13 Sea Horse 115 GT-115	Not Suitable	

SEE PAGES 4-5 FOR APPROPRIATE TIPS ON THE EASIEST WAY TO MAKE ENGINE CONNECTIONS

SEE BACK PAGE FOR METER WIRING METHODS

SEE PAGES 4-5 FOR APPROPRIATE TIPS ON THE EASIEST WAY TO MAKE ENGINE CONNECTIONS.

SEE BACK PAGE FOR METER WIRING METHODS

EVINRUDE MOTORS

EVINRUDE MOTORS			Engine Connection Tips	Meter Wiring Method
YR.	MODEL NAME—MODEL NO.			
1974	Sportster	25402, 3	III OR IV	A
	Sportster	25452, 3		
	Norseman	40404, 5		
	Lark	50472, 3	I	F
	Sizzler	50442, 3		
	Triumph	70472, 3		
	Hustler	70442, 3		
	Starflite 85	85493		
	Starflite 115	115493		
	Starflite 135	135483		
Silver Starflite	135443			
Sportster	25302, 3	III OR IV	A	
Sportster	25352, 3			
Norseman	40304, 5			
Norseman	40354, 5			
Lark	50372, 3	I	F	
Triumph	65372, 3			
Starflite 85	85393			
Starflite 115	115393			
Starflite 135	135383			
Super Strangler 150 KR-15M				
Sportster	25202, 3	III OR IV	A	
Sportster	25252, 3			
Norseman	40202, 3			
Norseman	40252, 3			
Lark	50272, 3	I	F	
Triumph	65272, 3			
Starflite 85	85293			
Starflite 100	100293			
Starflite 125	125283			
Sportster	25102, 3	III OR IV	A	
Ski Twin	40102, 3			
Ski Twin Electric	40152, 3			
Lark 50	50172, 3	I	F	
Triumph	60172, 3			
Starflite 100	100193			
Starflite 125-S	125183			

EVINRUDE MOTORS			Engine Connection Tips	Meter Wiring Method
YR.	MODEL NAME—MODEL NO.			
1970	Ski Twin 33	33002, 3	III OR IV	A
	Ski Twin Electric 33	33052, 3		
	Big Twin 40	40002, 3		
	Big Twin Electric 40	40052, 3		
Lark 40	40072, 3	I	F	
Triumph 60	60072, 3			
Starflite 85	85093			
Starflite 115-S	115083			
1969	Ski Twin 33	33902, 3	III OR IV	A
	Ski Twin Electric 33	33952, 3		
	Big Twin 40	40902, 3		
	Big Twin Electric 40	40952, 3		
	Lark 40	40972, 3		
Triumph 55	55972, 3	I	C	
Starflite 85	85993	I	F	
Starflite 115-S	115983			
1968	Ski-Twin	33802, 3	III OR IV	A
	Ski-Twin Electric	33852, 3		
	Big Twin	40802, 3		
	Big Twin Electric	40852, 3		
	Lark	40872, 3		
	Triumph	55872, 3	I	C
Sportfour HD	65832, 3	I	D	
Sportfour	65852, 3			
Speedifour	85852, 3			
Starflite	85892, 3			
1967	Starflite 100S X 115	100HP 115HP	Not Suitable	
	Ski-Twin	33702, 3	III OR IV	A
	Ski-Twin Electric	33752, 3		
	Big Twin	40702, 3		
	Big Twin Electric	40752, 3		
	Lark	40772, 3		
	Sportfour HD	60732, 3	I	D
	Sportfour	60752, 3		
Speedifour	80752, 3			
Starflite 80	80792, 3			
Starflite 100S X 115	100783 115HP	Not Suitable		

SEE PAGES 4-5 FOR TIPS ON EASY WAYS TO CONNECT TACH TO ENGINE

SEE BACK PAGE FOR METER WIRING METHODS

SEE PAGES 4-5 FOR TIPS ON EASY WAYS TO CONNECT TACH TO ENGINE

SEE BACK PAGE FOR METER WIRING METHODS

CHRYSLER MOTORS		Engine Connection Tips	Meter Wiring Method
YR.	MODEL NAME—MODEL NO.		
1974	Models 350-351-352-353-354-355 450-451-452-453-454-455	V	A
	458-459-558-559	VI	F
	Models 554-555	V	A
	Models 756-757 Models 906-907		C
	Models 1056-1057 Models 1206-1207 Models 1356-1357 Model 1508		D
1972-3	Models 350-351-352-353-354-355 450-451-452-453-454-455	V	A
	458-459-558-559	VI	F
	Models 554-555	V	A
	Models 706-707 Models 856-857		C
	Models 1056-1057 Models 1206-1207 Models 1306-1307 Model 1508		D

CHRYSLER MOTORS		Engine Connection Tips	Meter Wiring Method
YR.	MODEL NAME—MODEL NO.		
1970-1	Models 350-352-353-354-355 Models 450-452-453-454-455 Models 554-555	V	A
	Models 706-707 Models 856-857	V	C
	Models 1056-1057-1058 Models 1206-1207-1208 Model 1358	V	D
1969	Models 352-353-354-355-358 Models 450-452-453-454-455 Models 554-555	V	A
	Models 706-707 Models 856-857	V	C
	Models 1056-1057-1058	V	D
1968	Models 352-353-354-355-358 Models 450-452-453 Model 554	V	A
	Models 756-757	V	C
	Models 1056-1057-1058	V	D

SEE PAGES 4-5 FOR TIPS ON EASY WAYS TO CONNECT TACH TO ENGINE

SEE BACK PAGE FOR METER WIRING METHODS

SEE PAGES 4-5 FOR APPROPRIATE TIPS ON THE EASIEST WAY TO MAKE ENGINE CONNECTIONS

SEE BACK PAGE FOR METER WIRING METHODS.

We cannot accommodate certain Chrysler models which are not listed above. These motors are battery and coil ignition models with one coil per cylinder.

Airguide Marine Tachometers are not suitable for use on engines with one coil per cylinder, for use on 4 cycle—4 cylinder engines, or for use on 2 cycle—4 cylinder magneto ignition engines.

TIPS ON EASY WAYS TO CONNECT TACHOMETERS TO LATE MODEL OUTBOARD ENGINES

Refer to the Motor Charts on pages 1-3 to determine method to use for your particular engine. Be sure you refer to your exact engine year and model, as changes were made from year-to-year and model-to-model.

METHOD I

Connections are made inside the Remote Shift and Throttle Control Box. Open the Control Box as if to replace a throttle cable. The SOLID GRAY wire in the electrical portion of the box is the Tachometer Lead. Connect the YELLOW lead from the tachometer to it.

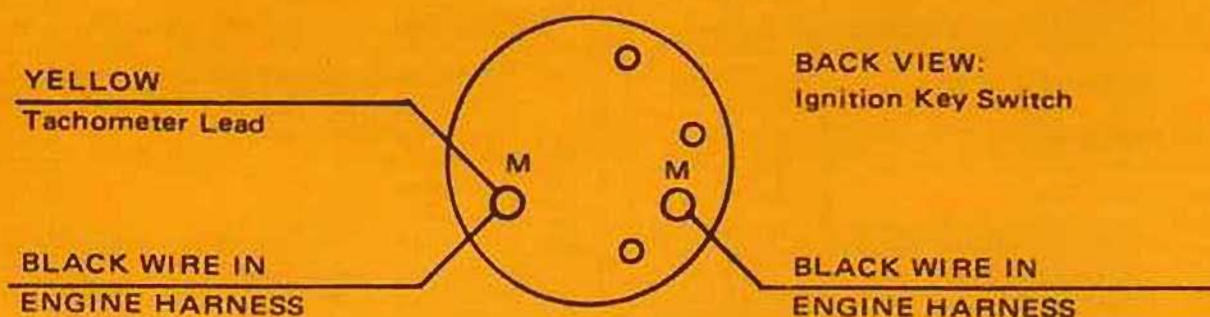
The BLACK lead from the tachometer must be connected to a good Ground, common with the engine. The Control Box is grounded, so any convenient bolt or screw inside it may be used. Close the Control Box.

Make the proper "jumper wire" connections on the back of the tachometer, referring to the Motor Charts for the proper Meter Wiring Method.

METHOD II NO LONGER APPLICABLE

METHOD III

Connect the **YELLOW** tachometer lead to the back of the Ignition Key Switch on the terminal indicated in the drawing below:



Connect the **BLACK** tachometer lead to a good Ground common with the engine.

Make the proper "jumper wire" connections on the back of the tachometer, referring to the Motor Charts for the proper Meter Wiring Method.

METHOD IV

Connect the **YELLOW** tachometer lead to the "live" side of the Engine Kill Switch. (Be sure not to confuse the "live" terminal with the grounded terminal of the switch.)

Connect the **BLACK** tachometer lead to a good Ground common to the engine. You can use the Grounded terminal of the Engine Kill Switch if you wish. Be sure the terminals are correctly identified, as reversed leads will make the tachometer read low.

Make the proper "jumper wire" connections on the back of the tachometer, referring to the Motor Charts for the proper Meter Wiring Method.

METHOD V

Connections may be made at the Ignition Switch, the Terminal Block on the engine, or the Accessory Terminal Block. Connect the **YELLOW** tachometer lead to the **SOLID WHITE** lead at the Ignition Switch or either Terminal Block. The **BLACK** tachometer lead is connected to the **SOLID BLACK** Ground wire at either Terminal Block, or to a suitable Ground common with the engine.

Make the proper "jumper wire" connections on the back of the instrument, referring to the Motor Charts for the proper Meter Wiring Method.

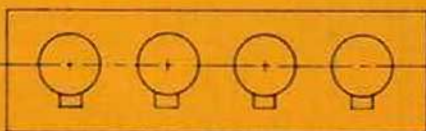
METHOD VI

Connections may be made at the Terminal Block on the engine, or the Accessory Terminal Block. Connect the **YELLOW** tachometer lead to the **PURPLE** lead at the Ignition Switch or either Terminal Block. The **BLACK** tachometer lead is connected to the **SOLID BLACK** Ground wire at either Terminal Block, or to a suitable Ground common with the engine.


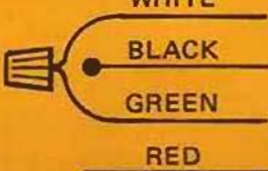
Make the proper "jumper wire" connections on the back of the instrument, referring to the Motor Charts for the proper Meter Wiring Method.

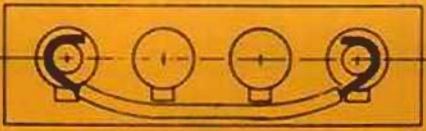
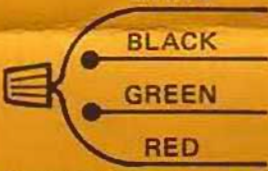
AIRGUIDE MULTI-CIRCUIT TACHOMETERS METER WIRING METHODS

See Charts on Previous Pages to Determine Which Wiring Method Your Motor Uses.



METER WIRING METHOD	Sea-Speed and Stainless Steel models:	Deck Mount models:
	A	USE JUMPER WIRES SUPPLIED TO CONNECT TERMINALS ON BACK OF METER IN THIS MANNER: <div style="text-align: center;"> 1 2 3 4 </div>  <p style="text-align: center;">No Connections Required</p>

"B" WIRING METHOD NO LONGER APPLICABLE

C	<div style="text-align: center;"> 1 2 3 4 </div>  <p style="text-align: center;">Connect Terminals 1 & 3</p>	 <p style="text-align: center;">Connect White & Green. Tape Insulate Others.</p>
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D	<div style="text-align: center;"> 1 2 3 4 </div>  <p style="text-align: center;">Connect Terminals 1 & 4</p>	 <p style="text-align: center;">Connect White & Red. Tape Insulate Others.</p>
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"E" WIRING METHOD NO LONGER APPLICABLE

F	<div style="text-align: center;"> 1 2 3 4 </div>  <p style="text-align: center;">Connect Terminals 1 & 2</p>	 <p style="text-align: center;">Connect White & Black. Tape Insulate Others.</p>
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Terminal Boards are shown actual size. Pick correct wire lengths by matching wires to pictures. Trim ends as necessary.

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