



# VDO

## FITTING INSTRUCTIONS

for VDO marine tachometer cat.no.: 333 357 and 333 358

### Technical Data: 333 357

12 volt D.C. negative earth only

Range: 0 - 7 000 rpm

Diameter: 80mm

Depth : 80mm

### Technical Data: 333 358

12 volt D.C. negative earth only

Range: 0 - 10 000 rpm

Diameter: 80mm

Depth : 80mm

## APPLICATION

Suitable for all marine inboard petrol engines with conventional and electronic ignition systems with or without contact breaker points as well as most electric start outboard engines.

## INSTALLATION

For in-dash mounting select a suitable position and cut a 80mm diameter hole. Make sure that rear of tachometer has sufficient clearance from existing equipment.

Alternatively use VDO bracket cat.no.: 230 003 for under-dash mounting,  
or VDO housing cat.no.: 230 030 for top-dash mounting.

## WIRING

For electrical connections simply follow appropriate wiring diagram. Use 2.5 - 3mm (0.75 - 1.5mm<sup>2</sup>) wire and always crimp or solder terminals to the wire to ensure trouble free operation.

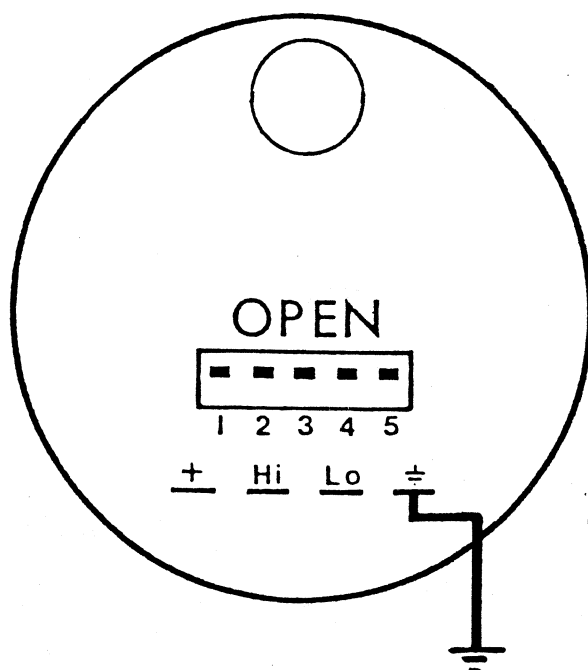
Important: Before attempting any wiring always disconnect battery earth lead first !!

TABLE 1

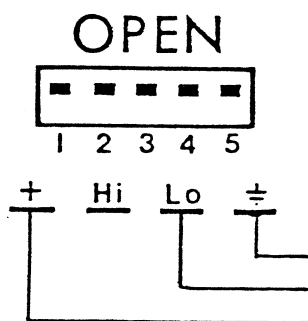
ENGINE		SWITCH closed
Cylinder	Cycle	
1	2 stroke	1
	4 stroke	all open
2	2 stroke	1 & 2
	4 stroke	1
3	2 stroke	1 & 3
	4 stroke	2
4	2 stroke	1 & 4
	4 stroke	1 & 2
5	2 stroke	1 & 2 & 4
	4 stroke	3
6	2 stroke	1 & 5
	4 stroke	1 & 3
8	2 stroke	not poss.
	4 stroke	1 & 4
10	2 stroke	not poss.
	4 stroke	1 & 2 & 4
12	2 stroke	not poss.
	4 stroke	1 & 5
Rotary engines		1 & 2

Note: Connect to one coil only !

NOTE: The illumination will not function on this instrument, but globeholder should be fitted to seal up the hole.



## SUZUKI OUTBOARD ENGINES

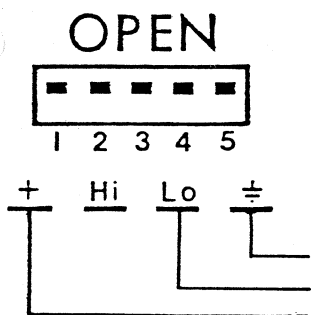


All 2 cylinder engines with electric start  
Selector switch: 1 & 2 closed, all others open

All 3 and 4 cylinder engines with electric start  
Selector switch: 1 & 5 closed, all others open

Negative (earth)  
Yellow wire at hand control  
12 volt positive, controlled by ignition switch

## TOHATSU OUTBOARD ENGINES

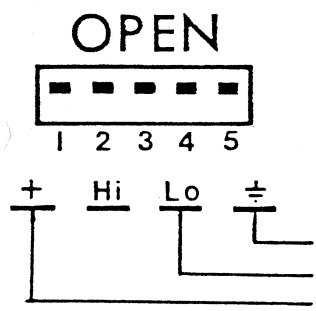


All models with electric start  
Selector switch: 1 & 2 closed, all others open

Negative (earth)  
Yellow or white wire at hand control  
12 volt positive, controlled by ignition switch

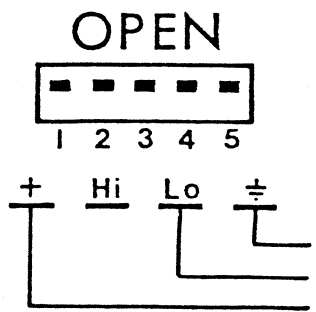
*Note: Tacho lead can either be unused yellow or white wire at hand control.  
Choose the wire directly connected to the rectifier !*

## MARINER OUTBOARD ENGINES



All models up to and incl. 60hp with electric start  
Selector switch: 1 & 2 closed, all others open

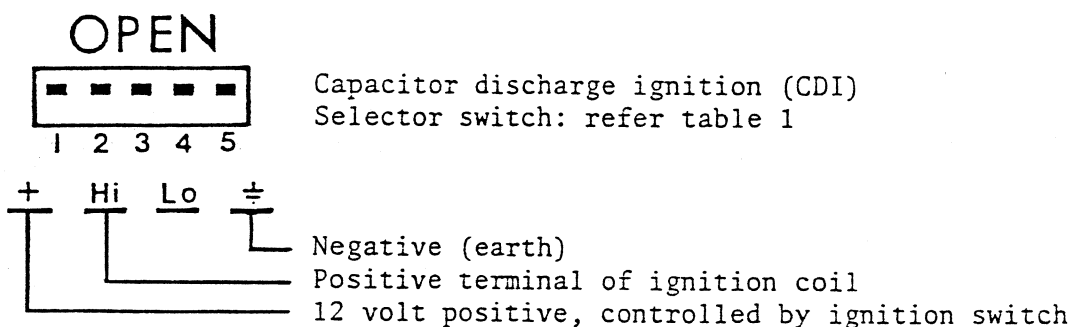
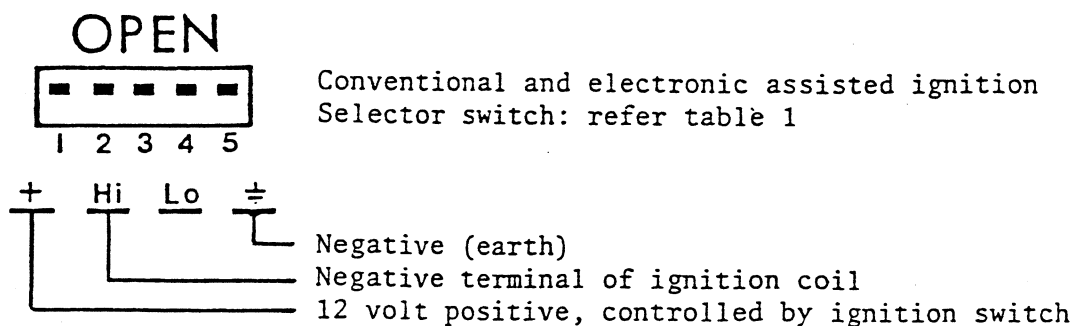
Negative (earth)  
Green wire in control box  
12 volt positive, controlled by ignition switch



All models over 60hp with electric start  
Selector switch: 1 & 5 closed, all others open

Negative (earth)  
Green wire in control box  
12 volt positive, controlled by ignition switch

## MARINE INBOARD PETROL ENGINES



Note: These VDO tachometers are suitable for electronic ignitions with or without contact breaker points.

## CHRYSLER OUTBOARD ENGINES

