

CORRECT INSTALLATION OF BULLHORN TYPE CYLINDERS AND SELECTION OF OPTIONAL TILLER ARMS

Due to the large number of outboard manufacturers, models, Horsepower and age of motors, you may find the following guide some assistance to fitting HyDrive bullhorn type outboard steering cylinders. Please note that the SERIES 3 cylinder you have purchased is the most universal type available, however depending on your motor, you may have to use an alternative HyDrive tiller arm for the best results. Check the clearance between the motor and the stud and select the best bend to meet your needs. Contact your supplier should you need to exchange the tiller arm.

OPTION 1

Fitting the HyDrive standard tiller arm underneath the motor's tiller. This is the most common method of attachment and will fit the majority of engines, with the exception of some models of Honda's and 4-strokes.

MOTOR TILLER ARM

Ensure clearance here between motor cowl and stud

Using STANDARD tiller arm

OPTION 2

Fitting the HyDrive standard tiller arm on top of the motor's tiller. This is used on some motors where the cylinder interferes on the tilt-frame casting

MOTOR TILLER ARM

Ensure clearance here between motor cowl and stud

Using STANDARD tiller arm

OPTION 3

Where the HyDrive tiller arm or pivot stud interferes on the motor's cowling, you may need to fit a bent arm. Different brands of motors and ages affect the amount of interference. You should measure the interference and order the bent arm which gives best suits.

MOTOR TILLER ARM

Ensure clearance here between motor cowl and stud

15MM

Using MERC Tiller arm P/n TA-6178

OPTION 4

Most commonly used on PRE 2007 models of HONDA 90-130HP outboards and POST 2007 HONDA 115HP. It is also used on some PRE 2007 model Mercury 4-strokes. This arm has a deeper bend to avoid interference on the motor's cable duct on the motor cowl.

MOTOR TILLER ARM

Ensure clearance here between motor cowl and stud

25mm

Using HONDA Tiller arm P/n TA-6176

OPTION FOR SUZUKI OUTBOARDS:- On some models of Suzuki motors, the steering tiller arm should be mounted UNDER the motor's tiller arm - however some model motors have ribs under the tiller arm. A special SPACER bush is available from your dealer to fit under the ribbed tiller and allow the steering arm to fit correctly underneath.