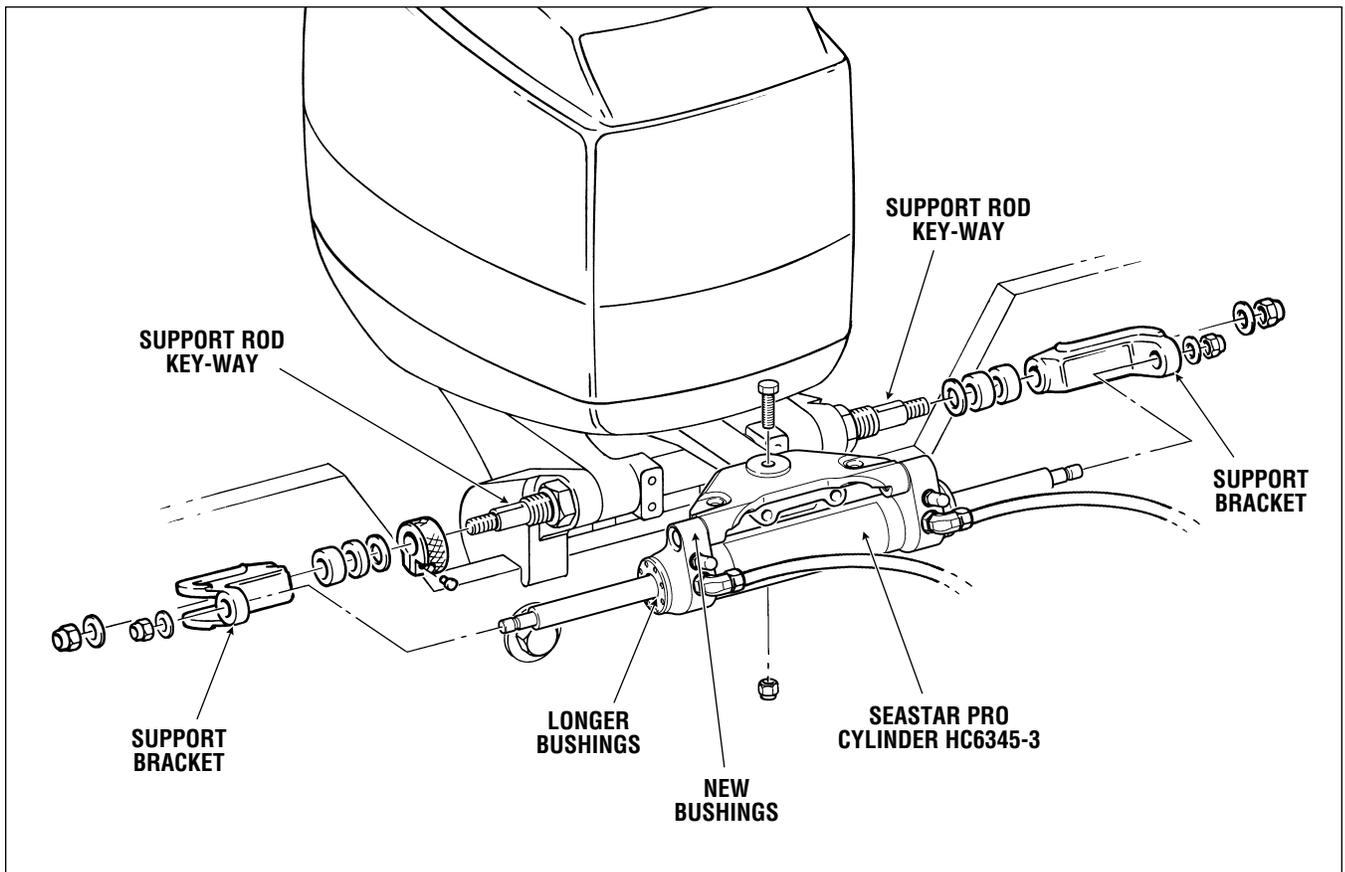


SEASTAR PRO STEERING SYSTEMS

SeaStar PRO Outboard Steering systems are suited for all those critical high speed, single powered outboard boats, like Bass, Flats, combo Race/Ski and other performance orientated boats capable of speeds in excess of 65mph. Before ordering it is necessary to determine the proper cylinder and helm pump for your application. Using the table on page 3-8, choose the correct cylinder as per your outboard engine. SeaStar Solutions recommends the use of a SeaStar PRO helm and SeaStar PRO (1500psi) reinforced Kevlar hoses with All SeaStar PRO systems.



Cylinder Part# HC6345-3 shown.

Helm Pumps

SeaStar PRO Steering systems have the option to install a standard front mounting helm, both classic and sport tilt as well as rear mount helm pumps. Please refer to page 6-1 for style and page 6-5 for PRO Helm part numbers.

⚠ CAUTION

SeaStar Solutions recommends the use of SeaStar PRO (1500 psi) Kevlar steering hoses with SeaStar PRO Helms.

SeaStar Pro Application Guide

NOTICE

Is your Splashwell wide enough? Check page 3-9 for space requirements.

MFG	YEAR	MODEL	CYLINDER	NOTES
HONDA	1996-DATE	150-300 HP	HC6345-3	HA5472 stroke limit kit must be installed when using on BF200-BF250.
JOHNSON/ EVINRUDE	1977-1990 2002-DATE 2003-DATE 2005-DATE	150-300 HP 150-250 HP 4-Stroke 150-300 HP ETech E250 HP Vindicator	N/A HC6345-3 HC6345-3 N/A	
MERCURY	1989-DATE	150-300 HP 2-Stroke, 4-Stroke and XS Engines	HC6345-3	
SUZUKI	1986-DATE	150-300 HP 2 and 4-Stroke	HC6345-3	Includes ALL models.
YAMAHA	1986-DATE	150-350 HP 2 and 4-Stroke	HC6345-3	

REVISION DATE: SEPT. 9th 2016

⚠ WARNING

SeaStar PRO Steering Helms can not be used with an unbalanced steering cylinder.

SeaStar Solutions offers the following SeaStar PRO kits. Every kit ships with the HC6345-3 PRO Steering cylinder, HH5770-3 PRO helm pump, two bottles of SeaStar Steering fluid and two equal lengths of SeaStar PRO, Kevlar steering hoses.

Part Number	Hose Length
HK7516A-3.....	16'
HK7518A-3.....	18'
HK7520A-3.....	20'
HK7522A-3.....	22'
HK7524A-3.....	24'

Cylinder Installation, General Dimensions & Replacement Parts

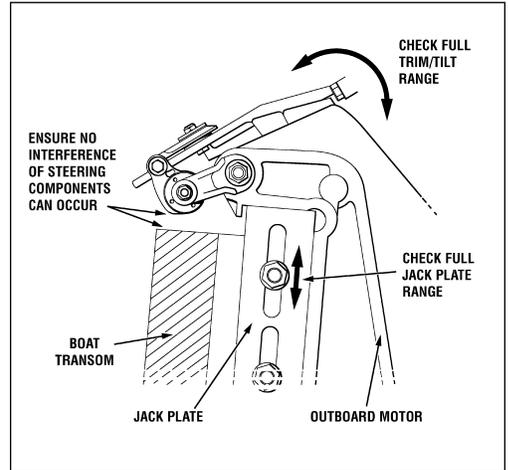
⚠ WARNING

Operational interference of the steering cylinder/cylinder fittings and jackplates/transom/splashwell can occur under certain conditions. Check installation thoroughly throughout the full range of Motor Tilt, Jackplate Height and Trim before making final installation.

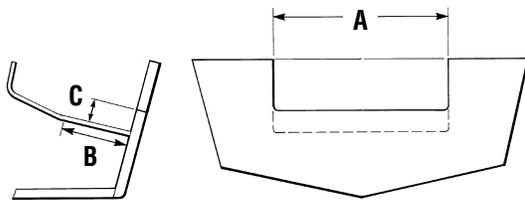
If interference is not eliminated total steering loss can occur, causing property damage and/or personal injury.

- SEAL KIT = **HS5157**
- SUPPORT BRACKETS = **HP6018**
- SUPPORT ROD = **HP6016**
- SPACER KIT = **HP6033**

- HOSE ELBOW FITTING = **HF6004**
- PIVOT PLATE = **N/A** (cylinder replacement/repair is required)



Motor Well dimensions required for front mount outboard steering systems



# OF ENGINES	A	B	C	MIN. ENGINE CENTER DISTANCE
1	22" (559mm)	6" (152mm)	5" (127mm)	N/A
2	49" (1244mm)	6" (152mm)	5" (127mm)	26" (660mm)

NOTES

- a) Dimensional restrictions also apply to external motor mount brackets.
- b) Maximum engine center distance for twin engine applications is 36" (914mm) using the standard tiebar. Dimension 'A' would have to be increased proportional to the tiebar length.
- c) Minimum engine center distance is 26" unless engine manufacturer recommendation is greater.
- d) Splashwells of less than 30" in overall width may require engine removal in order to install and service the support rod.

ALL Front Mount Cylinders

