

APPLICATION GUIDE – Single Engine (Normal Use)

Prior to selecting a cylinder from this application guide, please refer to our order guide to ensure that you are selecting the correct cylinder for your engine/boat.

ENGINE MANUF.	YEAR	MODEL	CYLINDER	NOTES
Force	1985 TO DATE	90-150HP	HC5345-3	
Honda	1996 TO DATE	75-90HP	HC5345-3	
	1998 TO 2009	115-130HP	HC5347-3	
	1998 TO DATE	30-50HP	HC5345-3	See Note 1
	2001 TO DATE	BF200-250	HC5445-3	
	2003 TO DATE	BF135HP	HC5345-3	
	2010 TO DATE	115HP	HC5345-3	
Johnson / Evinrude	1977 TO 1990	65-300HP	HC5348-3	
	1988 TO 1997	250-300HP V8	HC5342-3	
	1991 TO DATE	40-300HP	HC5345-3	Inc. ETech
	1996 TO DATE	75-250HP FICHT	HC5345-3	
	1998 TO DATE	40-140HP 4-STROKE	HC5358-3	See Note 1
	2000 TO DATE	115HP FICHT	HC5358-3	See Note 1
	2002 TO DATE	200-225HP 4-STROKE	HC5345-3	
2007 TO DATE	3.3L/3.4L 200-250HP	HC5345-3	Inc. H.O. Models	
Mercury	1984 TO 1994	2.4/2.5HP EFI	HC5345-3	See Note 2
	1989 TO DATE	75-300HP	HC5345-3	
	1998 TO DATE	30-60HP	HC5345-3	See Note 1
	2003 TO DATE	115-300HP XS	HC6345-3	See Note 3
	2004 TO DATE	150-200HP VERADO	HC5345-3	See Note 4, 5
Nissan	1990 TO DATE	90-140HP	HC5345-3	
Suzuki	1986 TO DATE	100HP	HC5345-3	
	1986 TO 2002	115-140HP	HC5345-3	NOT 1996
	1986 TO DATE	150-300HP 2 & 4 STROKE	HC5345-3	
	1996 ONLY	115-140HP	HC5348-3	
	1998 TO DATE	40-140HP 4-STROKE	HC5358-3	See Note 1
Yamaha	1990-2003	40-90 HP 2-STROKE	HC5345-3	See Note 1
	1986-DATE	100-300 HP 2-STROKE	HC5345-3	
	1997-DATE	80-250 HP 4-Stroke	HC5345-3	
	2000-DATE	150-300 HPDI	HC5345-3	
	2003-DATE	25-70 HP 4-Stroke	HC5348-3	See Note 1
	2007-DATE	200-300 HP 4.2L V6 4-Stroke	HC5345-3	
	2007-DATE	F300-F350 HP 5.3V8	HC5345-3	See Note 4
	2011-2013	F115A	HC5358-3	
2014-DATE	F115B	HC5345-3		

NOTES:

1. Requires spacer kit HO5090.
2. May require extensive cowling modifications.
3. **MUST** use High Strength Tiller bolt, part # HA5822. Refer to the Notice on this page identifying the high strength bolt.
4. Optional cylinder part # HC5358. Slight interference may occur when using the HC5358, with the engine in the full tilt position.
5. Cylinder part # HC5358 may also be used in these single engine applications, please see note #4 for interference concerns.

NOTICES:



High Strength Tiller bolt, part# HA5822. ALL cylinders shipped after June 1st, 2007 will have this bolt included in the cylinder package.

Front Mount Cylinder part# HC5345-3 is included in the SeaStar Outboard Steering Kits HK6400A-3/HK63xxA-3. If your engine requires the use of a cylinder other than the HC5345-3 (see application guides) you will need to purchase the individual components (helm, cylinder, hoses, etc.) separately.

CAUTION:

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

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APPLICATION GUIDE – Twin Engine (Normal Use)

Prior to selecting a cylinder from this application guide, please refer to our order guide to ensure that you are selecting the correct cylinder for your engine/boat.

ENGINE MANUF.	YEAR	MODEL	CYLINDER	TIE BAR KITS		NOTES
				Twin Engine Single Cyl.	Twin Engine Dual Cyl.	
Force	1985 TO DATE	90-150HP	HC5345-3	HO5008A	HO5008A	
Honda	1996 TO DATE	75-90HP	HC5345-3	HO6001	HO6002	See Note 3
	1998 TO 2009	115-130HP	HC5347-3	HO5063	HO5064	See Note 5
	1998 TO DATE	30-50HP	HC5345-3	HO6001	HO6002	See Note 2
	2001 TO DATE	150HP 4-STROKE	HC5345-3	N/A	HO6002	See Note 7
	2001 TO DATE	225-250HP 4-STROKE	HC5445-3	HO6001	HO6002	
	2003 TO DATE	BF135HP	HC5345-3	HO6003	HO6002	
	2010 TO DATE	115HP	HC5345-3	HO6003	HO6002	See Note 7
Johnson / Evinrude	1977 TO 1990	65-300HP	HC5348-3	HO6003	HO6002	
	1988 TO 1997	250-300HP V8	HC5342-3	HO5001A	HO5030	See Note 5
	1991 TO DATE	40-300HP	HC5345-3	HO6003	HO6002	Inc. ETech Engines
	1996 TO DATE	75-250HP FICT	HC5345-3	HO6003	HO6002	
	1998 TO DATE	40-140HP 4-STROKE	HC5358-3	HO6003	HO6002	See Note 2
	2000 TO DATE	115HP FICT	HC5358-3	HO6003	HO6002	See Note 2
	2002 TO DATE	200-225HP 4-STROKE	HC5345-3	HO6003	HO6002	
	2005 TO DATE	E250 DPX VINDICATOR	HC5348-3	HO6003	HO6002	
Mercury	2007 TO DATE	3.3L/3.4L 200-250HP	HC5345-3	HO6003	HO6002	Inc. H.O. Models.
	1984 TO 1994	2.4/2.5HP EFI	HC5345-3	HO6001	HO6002	See Note 4
	1989 TO DATE	75-300HP	HC5345-3	HO6001	HO6002	See Note 3
	1996 TO DATE	75-200HP 2 & 4-STROKE	HC5345-3	HO6001	HO6002	
	1998 TO DATE	30-60HP	HC5345-3	HO6001	HO6002	See Note 2
	2002 TO 2003	225HP 4-STROKE	HC5358-3	HO6001	HO6002	See Note 1
	2003 TO DATE	150-200XS	MUST Use Tournament Cylinders.			
	2003 TO DATE	250-300 HP XS	MUST Use Tournament Cylinders.			
Mercury	2004 TO DATE	150-200HP VERADO	HC5345-3	HO6001	HO6002	
Nissan	1990 TO DATE	90-140HP	HC5345-3	HO6001	HO6002	
Suzuki	1986 TO DATE	100HP	HC5345-3	HO6003	HO6002	
	1986 TO 2002	115-140HP	HC5345-3	HO6001	HO6002	NOT 1996
	1986 TO DATE	150-300HP 2 & 4 STROKE	HC5345-3	HO6003	HO6002	
	1996 ONLY	115-140HP	HC5348-3	HO6001	HO6002	
	1998 TO DATE	40-140HP 4-STROKE	HC5358-3	HO6003	HO6002	See Note 2
	2003 TO DATE	90HP 4-STROKE	HC5358-3	HO6003	HO6002	See Note 2
	2013 TO DATE	DF150 – DF175 HP	HC5345-3	HO6001	HO6002	
Yamaha	1986 TO DATE	100-250HP 2-STROKE	HC5345-3	HO6001	HO6002	
	1986 TO DATE	40-90HP	HC5345-3	HO6003	HO6002	
	2000-DATE	150-300 HPDI	HC5345-3	HO6001	HO6002	
	2001 TO 2003	80-250HP 4-STROKE	HC5358-3	HO6001	HO6002	See Note 1
	2003 TO DATE	F200-F250 3.3L	HC5358-3	HO6001	HO6002	

2003 TO DATE	25-70HP 4-STROKE	HC5348-3	HO6003	HO6002	
2007 TO DATE	200-300HP 4.2L V6 4-STROKE	HC5345-3	HO6001	HO6002	See Note 2
2007 TO DATE	F300-F350 HP 5.3V8	MUST use Tournament Cylinders			
2011-2013	115A	HC5358-3	HO6003	HO6002	
2014-DATE	115B	HC5345-3	HO6003	HO6002	

NOTES:

1. HC5345 is optional for SINGLE ENGINE ONLY applications. DO NOT use HC5345 for Twin engine applications as operational interference may occur.
2. Requires kit HO5090.
3. Minimum engine center = 27".
4. May require extensive cowling modifications.
5. HO5030 and HO5064 comes without tie-bar.
6. One cylinder per engine. Must use Mercury supplied tiller bolt for installation.
7. Interference will occur when using a single HC5345 cylinder and HO6003 tiebar when installed in the aft hole on the steering arm.

Options include:

- a) install tiebar into most forward hole (this will limit steering articulation),
- b) purchase K-6 Cylinder, and tiebar kit part # HO5009. There will no be no interference when using twin HC5345 cylinders