

BAYSTAR STEERING COMPONENT CHANGES AND UPDATES

To ease the use of the BayStar Product line, Teleflex Canada has made the following changes that may effect what you are currently using. BayStar will no longer offer the drag-link style cylinder (part HC4600, figure A). Only the 'Compact' design (part HC4645H, figure B) with the field replaceable pivot plate will be offered. All seals and spare parts will still be made available at this time.

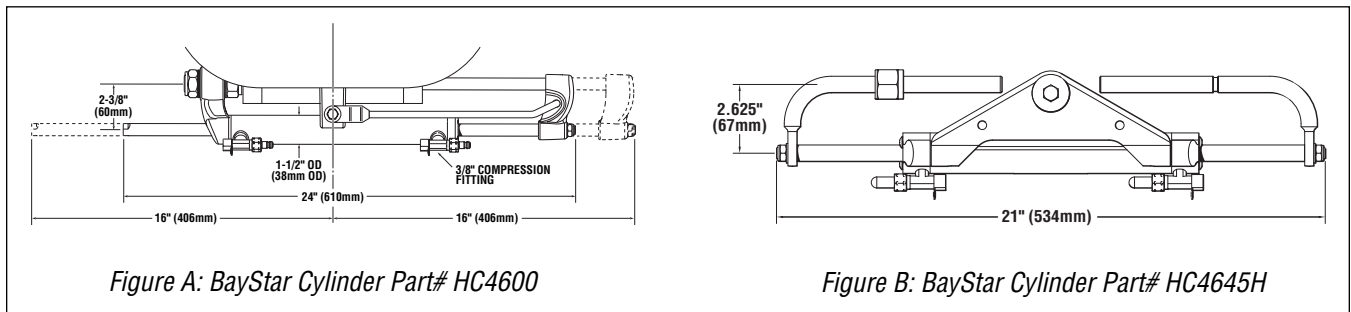


Figure A: BayStar Cylinder Part# HC4600

Figure B: BayStar Cylinder Part# HC4645H

The HK4200 BayStar kit will still be available however, this kit will now include the HC4645H cylinder – this revised kit will be distinguishable by part# **HK4200A**, all parts noted below will be included in the steering kit. Please refer to page 2 of this sheet for details on selecting the correct cylinder and/or replaceable pivot plate.

- HH4016, Helm Pump 1 each
- HC4645H, Steering Cylinder 1 each
- HT4420H, Steering Lines (2 hoses per Kit) 1 each
- HA5430, Oil 2 each

⚠ WARNING

BayStar cylinders with the letter H in the part number can ONLY use BayStar tube/ hose marked with -H, (BayStar STEERING TUBE-H).

Failure to comply with the above may result in loss of steering, causing property damage and/or personal injury

To increase the application options for the BayStar Cylinder, Teleflex Canada has changed the fittings to accept both BayStar tubing assemblies marked with the letter 'H' at the end of the part number, i.e. HT4420H and SeaStar Hose assemblies. Please be advised you cannot mix and match new part numbers (letter 'H') with older equipment, loss of steering may result. The table noted below will assist you in replacing parts.

<i>If replacing TUBING use the following:</i>	
TUBING PART No.	FITTING PART No.
HT4420H, Steering lines, (2 per kit)	HF4202, cylinder bleed fitting kit (2 per kit)

<i>If replacing CYLINDER: HC4600/45/47/48/58 use the following:</i>	
CYLINDER PART No.	FITTING PART No.
HC4645H * may require field replaceable pivot plate refer to page 2 for application chart	HF4201, bleeder fitting kit, old style (2 per kit)

BayStar Compact Cylinders Application Guide (HC4645/47/48/58)

MFG	YEAR	MODEL	CYLINDER	NOTES
FORCE	1985-DATE	90-150 HP	HC4645	
HONDA	1992-DATE	30-90 HP	HC4645	
	1998-DATE	115-130 HP	HC4647	
	2001-DATE	150 HP	HC4645	
	2003-DATE	BF135 HP	HC4645	
JOHNSON/ EVINRUDE	1977-1989	65-150 HP	HC4648	
	1991-DATE	40-150 HP	HC4645	
	1997-DATE	115 HP FICHT	HC4658	4
	1997-DATE	75-150 HP FICHT	HC4645	
	1998-DATE	40-140 HP 4-Stroke	HC4658	1, 4
MERCURY/ MARINER	1984-DATE	75-150 HP	HC4645	
NISSAN	1990-DATE	120-140 HP	HC4645	
SUZUKI	1986-DATE	150 HP	HC4645	
	1996 ONLY	115-140 HP	N/A	
	1987-2002	115-140 HP	HC4645	1
	1990-2000	90-100 HP	HC4645	
	1998-DATE	40-70 4-Stroke	HC4645	1
	2001-DATE	115-140 HP 4-Stroke	HC4658	1, 4
TOHATSU	1990-DATE	140-140 HP	HC4645	
YAMAHA	1998-DATE	40-50 HP	HC4645	2
	1998-DATE	60 HP	HC4645	3
	1986-DATE	70-90 HP	HC4645	1
	1997-DATE	80-150 HP 4-Stroke	HC4645	
	2000-DATE	40 & 60 HP 4-Stroke	HC4648	1
YANMAR	1990-DATE	27-36 HP	HC4645	

1. Requires Spacer kit part # HO5090

2. Engine clamp brackets must be cut or ground, and the engine through bolted onto the transom, or interference will occur, restricting engine trim and tilt.

3. Steering hook Yamaha Part # 63D-48511-00-4D must be installed

4. Cylinder HC4645 may be used in these applications. The pivot plate will need to be flipped before installation. Instructions provided with Owner's Manual.

REVISION DATE: SEPT. 17TH 2004

Compact Style Cylinders

Due to the various mounting configurations on different engines, Teleflex Canada has made available a field replaceable pivot plate kit. This kit will allow you to use the cylinder that you have ordered on every engine that is available in the 150HP range. Using the application guide below select your kit from the table noted to convert your cylinder to the proper one.

CYLINDER NUMBER	PIVOT PLATE KIT
HC4645H	HA4640
HC4647H	HA4641
HC4648H	HA4642
HC4658H	HA4643