

PowerTech replacement hub kit installation instructions

WARNING:

Always shift engine into the neutral position and turn ignition off. Remove spark plug leads or ignition coil lead before servicing the propeller.

Remove all hardware kits and propeller from engine shaft before installing the new propeller. The old thrust washer may be stuck on the shaft, please make sure you have removed it.

1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-100B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------------------------|---|
| BRP,JOHNSON EVINRUDE | 15 tooth spline 4-3/4" Gearcase 90-300HP...1991-present |
| OMC/COBRA STERNDRIVE | 15 tooth spline 4-3/4" Gearcase Model 800/Cobra/King Cobra...1991-1994 |

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



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(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-101B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------------------------|---|
| BRP,JOHNSON EVINRUDE | 15 tooth spline 4-3/4" Gearcase 90-300HP...1976-1990 |
| OMC/COBRA STERNDRIIVE | 15 tooth spline 4-3/4" Gearcase Model 800/Cobra/King Cobra...1978-1990 |

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Install the TAB WASHER and tighten the LOCKNUT.



5. Secure the locknut by bending the tabs on the tab washer onto the nut.



Consult your engine/drive manual for proper torque.

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KT-102B



THRUST WASHER

HUB

SPACER

TAB WASHER

LOCKNUT

HUB KIT FITS

| | |
|---------|---|
| MERCURY | 15 spline tooth 4 1/4" Gearcase 40/50hp(4 stroke/bigfoot)...all years ; 60hp(4 stroke/big foot)...1995-newer 60hp(Sea Pro/Marathon)...1995-newer ; 65hp(Model 650-4 Cyl)...1961-1970 65hp(Model 650-2 Cyl)...-1971 ; 70hp...1987-1989 75hp(2&4 stroke)...1984-newer ; 75hp(Sea Pro/Marathon)...All years 80hp...1978-1989 ; 80hp(Mariner)...1978-1983 80hp(Yamaha)...1977-1983 ; 80hp(Model800-2&4 Cyl)...-1977 80hp(Model850-2&4 Cyl)...-1977 ; 90hp(2&4 stroke)...1978-newer 100hp...1988-newer ; 115hp(2&4 stroke)...1978-newer 125hp...1994-newer ; 140hp(Including Sea Pro/Offshore)...1978-1981 Models 900-1500...-1977 ; Force 75hp...99-newer ; Force90/120/150hp...1995-newer |
| MERCURY | 15 spline tooth 4-3/4" Gearcase 90, 100,115HP Command Thrust...2014 & Newer ; 135 HP...1987-Newer 150 HP...1978-Newer ; 175 HP...1978-Newer ; 200 HP 1978-Newer 220 HP...1987-1988 ; 225 HP 1980-Newer ; 225 HP(SeaPro/Marathon)...All Years 250-400 HP (2 and 4-Stroke)...1990-Newer ; 3.4 Litre...1984-1986 MERCUISER STERNDRUVES MODELS 1S,1B,1C...-1982 ; MODELS 120,140,145 DTS...-1982 ; MODELS 165,228,470,485,888,898...-1982 MODELS 225S,233,255TRS,260,280TS,330TRS...-1982 ; MERCUISER 120- 260HP...1983-1985 ALPHA ONE DRIVE (GEN.1&GEN.2 ALL MOTORS&HP) BRAVO ONE DRIVE (BRAVO ONE &BRAVO ONE X DRIVES ONLY) |
| YAMAHA | 15 spline tooth 4 1/4" Gearcase 80-140 hp...1977-1983 |
| YAMAHA | 15 tooth spline 4-3/4" Gearcase 150-175HP...1978-1983 |

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1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-104B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------------------------|--|
| SUZUKI | 15 tooth spline 4-3/4" Gearcase DT150-225hp(2 stroke)...1986-present DF150-300hp(4 stroke)...All years |
| BRP, JOHNSON EVINRUDE | 15 tooth spline 4-3/4" Gearcase 200&225HP(4 stroke)...2004-2005 |

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3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
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KT-105B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------------------------|--|
| VOLVO | 19 tooth spline 4-3/4" Gearcase SX Sterndrives...1994-Newer |
| OMC/COBRA STERNDRIVE | 19 tooth spline 4-3/4" Gearcase Cobra SX...1994-Newer |

PowerTech replacement hub kit installation instructions

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Remove all hardware kits and propeller from engine shaft before installing the new propeller. The old thrust washer may be stuck on the shaft, please make sure you have removed it.

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3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-106B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|---|--|
| <p>BRP, JOHNSON EVINRUDE</p> | <p>13 spline tooth 4 1/4" Gearcase (Large Gearcase) 40HP E-TEC...2004-newer ; 45-55HP 2 Cyl... 1971-1999 50-55HP 3 Cyl... 1968-1969, 1994-1999 ; 55HP E-TEC...2009-newer 60HP 3 Cyl...1970-1971,1986-2001 ; 60HP E-TEC...2004-newer 65HP 3 Cyl...1972-1973,1984-2001 ; 70HP 3 Cyl...1974-2001 75HP 3 Cyl...1975-1984 ; 75HP E-TEC...2004-newer 85HP...1969-1980,1991-1995 ; 88HP...1981-1996 ; 90HP...1981-newer 100HP...1979-1980,1988-1993 ; 110HP...1986-1989 ; 112HP...1994-1996 115HP...1973-newer ; 120HP...1986-1994 ; 125HP...1971-1972 135HP...1973-1976 ; 140HP...1977-1984,1986-1994</p> |
| <p>OMC/COBRA STERNDRIIVE</p> | <p>13 tooth spline 4-1/4" Gearcase Model 400 Cobra 1978-1991</p> |

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-107B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------|---|
| HONDA | 15 spline tooth 4 1/4" Gearcase BFP 60hp...2010-present ; BF 75hp...1995-present ; BF 90hp...1995-present; BF 115hp...1998-2010 ; BF 130hp...1998-2004 |
| HONDA | 15 tooth spline 4-3/4" Gearcase BF 115hp...2011-newer ; BF135hp...2004-newer ; 150hp...2004-newer 200hp...2002-newer ; 225hp...2002-newer ; 250hp...2012-newer |

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1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-109B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

TOHATSU
&NISSAN

15 spline tooth 4 1/4" Gearcase
60-140HP (Except 60A,70A,70B)...1987-present
MFS75A-115A...all years

PowerTech replacement hub kit installation instructions

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Always shift engine into the neutral position and turn ignition off. Remove spark plug leads or ignition coil lead before servicing the propeller.

Remove all hardware kits and propeller from engine shaft before installing the new propeller. The old thrust washer may be stuck on the shaft, please make sure you have removed it.

1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-110B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------------------------|--|
| SUZUKI | 13 spline tooth 4 1/4" Gearcase DF60(4 stroke)...1998-2009 ; DF70(4 stroke)...1998-2008 DT75...1983-1997 ; DT85...1979-2000 DT90...1989-1997 ; DT100...1989-2000 DT115...1981-2001 ; DT140...1981-2001 |
| BRP,JOHNSON EVINRUDE | 13 spline tooth 4 1/4" Gearcase 60HP (4 Stroke)...1998-newer ; 70HP(4 Stroke)...1998-newer |

PowerTech replacement hub kit installation instructions

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Remove all hardware kits and propeller from engine shaft before installing the new propeller. The old thrust washer may be stuck on the shaft, please make sure you have removed it.

1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.

4. Put the DISC SPRING WASHER & FLAT WASHER over shaft so they contact the spacer.



5. Tighten the nut.

Consult your engine/drive manual for proper torque.

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KT-123



HUB



SPACER



DISC SPRING WASHER



FLAT WASHER



NUT

HUB KIT FITS

| | |
|---------|--|
| MERCURY | Models with 1 1/4" engine shaft; 19 spline tooth |
|---------|--|

PowerTech replacement hub kit installation instructions

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-125B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------------------------|--|
| SUZUKI | 15 spline tooth 4 1/4" Gearcase DF90(4 Stroke)...2001-2008 DF100(4 Stroke)...2009-present DF115(4 Stroke)...2001-2012 |
| BRP,JOHNSON EVINRUDE | 15 spline tooth 4 1/4" Gearcase 90HP,115HP(4 Stroke)...2002-2007 |

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4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
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KT-126B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|-------------------------|--|
| SUZUKI | 15 spline tooth 4 1/4" Gearcase DF115A&140A(4-stroke)...2013-present DF140(4-stroke)...2002-2012 |
| BRP,JOHNSON EVINRUDE | 15 spline tooth 4 1/4" Gearcase 140HP(4 Stroke)...2002-2007 |

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Put the ADAPTER RING onto propeller, and tighten on three screws. (The angle camber of adapter ring faces to propeller blades tips)

4. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions. (This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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KT-127B



ADAPTER RING



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------|--|
| YAMAHA | 17 tooth spline 5-1/4" Gearcase 300 HP (4-stroke V8 Engine) ; 350 HP (4-stroke V8 Engine) |
|--------|--|

PowerTech replacement hub kit installation instructions

WARNING:

Always shift engine into the neutral position and turn ignition off. Remove spark plug leads or ignition coil lead before servicing the propeller.

Remove all hardware kits and propeller from engine shaft before installing the new propeller. The old thrust washer may be stuck on the shaft, please make sure you have removed it.

1. Put drop of dish soap on the 4 flat spots of the hub. Put the HUB into the rear of the propellers hub cavity. The HUB should slide 3/4 or more into propeller hub cavity. Press or tap gently on the hub so it is flush with the hub cavity.



2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



3. Slide the propeller onto shaft, then put the SPACER on the shaft until it rests on the propeller.
4. Put the FLAT WASHER over shaft so it contacts the spacer, if needed.



5. Tighten the nut, install the split pin. Bend the 2 ends in opposite directions.
(This hub kit does not contain a new nut, please use the exist nut.)

Consult your engine/drive manual for proper torque.

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PowerTech!
PROPELLERS

KT-150B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------|---|
| SUZUKI | 15 spline tooth 4 1/4" Gearcase DF70A/DF80A/DF90A(4 Stroke)...2009-present |
|--------|---|

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PowerTech!
PROPELLERS

KT-151B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

BRP, JOHNSON
EVINRUDE

15 tooth spline 4-3/4" Gearcase
150-300HP G2 Engine...2014-present

PowerTech replacement hub kit installation instructions

WARNING:

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KT-203B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------|--|
| YAMAHA | 15 spline tooth 4 1/4" Gearcase F75B...1984-newer ; F90B...1984-newer ; F100B...1984-newer 130hp...1984-newer ; 115hp...1984-newer F115(4 stroke)...2000-newer |
| YAMAHA | 15 tooth spline 4-3/4" Gearcase 150hp...1986-newer ; F150(4 stroke)...2004-newer 175hp...1984-newer ; F175(4 stroke)...2004-newer 200hp...1984-newer ; 200hp(VMAX)...2001 ; F200(4 stroke)...2002-newer VF200V-MAX SHO...2010-newer ; 220hp(Special)...1987-1988 ; 225hp(excel)...1980-newer 225hp...1986-newer ; F225(4 stroke)...2002-newer ; VF225 VMAX SHO...2010-newer 250hp...1990-newer ; 250hp(VMAX)...2001-newer ; F250HP Include VMAX and Offshore F250(4 stroke, Includes Offshore)...2002-newer ; 300HP(2 stroke V6 Engine)...2004-2007 F300 Offshore (4 stroke V6 Engine)...2010-newer ; Sterndrive 3.0L-7.47L |

PowerTech replacement hub kit installation instructions

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2. Put the THRUST WASHER on propeller shaft. The taper on the thrust washer should mate properly with the taper on the propeller shaft. Grease the propeller shaft.



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KT-208B



THRUST WASHER



HUB



SPACER



FLAT WASHER

HUB KIT FITS

| | |
|--------|--|
| YAMAHA | 15 spline tooth 4 1/4" Gearcase T50(4 stroke)...1996-newer ; 60hp(C60/E60/P60)...1992-2005 T60(4 stroke)...2003-newer ; 70hp...1984-newer 70-100HP(not F75B,F90B,F100B)...1984-newer |
|--------|--|