

# MASTERTORQ™

## Sound Dampening Hub SDH™

### 800 SERIES



## MORE QUIET MORE ENJOYABLE

# NEW SHIFT SOUND & VIBRATION DAMPENING HYBRID HUB SYSTEM

**For 40CT-300+hp Applications Running Stainless Steel Propellers**  
 A solution for stainless steel props but works great with aluminum props as well  
 Great replacement for Yamaha® SDS™ and other brands

### MERGING THE BEST OF PRESSED-IN, DROP-IN, AND SHIFT DAMPENING HUB DESIGNS

|  | Traditional Pressed-In Hubs | Newer Competitive Drop-In Hubs | Competitive shift shock and vibration dampening propeller hub systems | Hybrid Design Turning Point's MasterTorq™ SDH™ Sound Dampening Hub |
|--|-----------------------------|--------------------------------|---|--|
| • DIY, easily replaceable by hand.   | ✗                           | ✓                              | ✗   | ✓  |
| • Adaptable to many engine brands.   | ✗                           | ✓                              | ✗   | ✓  |
| • Reliable over time, not likely to let loose & spin under normal use.       | ✗                           | ✗                              | ✓   | ✓  |
| • Offers more lower unit protection. Doesn't lock into a solid hub position. | ✓                           | ✓                              | ✗   | ✓  |
| • Includes shift shock and vibration dampening rubber material.              | ✓                           | ✗                              | ✓   | ✓  |
| • Additional dampening through Hub Isolation Technology.                     | ✗                           | ✗                              | ✗   | ✓  |

Table Note: Features and Benefits are as compared to many competitive designs.

MasterTorq™ (patent pending) 800 Series SDH™ Sound Dampening Hub utilizes next generation hybrid hub technology from Turning Point Propellers by blending the best attributes of both traditional pressed-in hubs and newer drop-in hub technology. Dealers and boaters now have access to an all-in-one hub that includes shift shock and vibration dampening characteristics of a pressed-in hub along with the ease of use, replaceability, and reliability of drop-in designs. It has been engineered to not let loose and spin over time under normal use, contrary to what is commonly experienced with pressed-in hub propellers. Other competitive designs that claim shift and vibration dampening are less likely to break away, consequently turning into a solid hub once they exceed their maximum flex point, which increases the chances of lower unit damage under an impact situation that offers less protection to the lower unit. MasterTorq SDH has been designed to break away like Turning Point Propeller's industry leading MasterGuard® series of hubs.

- 1 MasterTorq™ SDH™ Sound Dampening Hub's hybrid technology uses staggered horizontal stabilizer ribs that form micro flex points between the newly formulated rubber cushion and the marine grade brass spindle that dampens shift shock and vibration.
- 2 Cushioning is further improved with a new prop nut spacer that has been engineered with Hub Isolation Technology that works in conjunction with the new spindle to reduce friction points between the hub and prop housing resulting in a quieter more enjoyable experience for the boater.

Industry leader Turning Point Propellers, creator of the first prop and drop-in hub system, is once again elevating propeller hub technology with its state-of-the-art hybrid technology - a less complicated more cost-effective solution over competitive designs.

**SOLVING LOWER UNIT PROBLEMS:** Absorbing technology of the Sound Dampening Hub - SDH™ resolves an issue inherent in some outboard applications where noise at engine idle is transmitted throughout the lower unit caused by slack in the shift dog clutch assembly. Noise is most commonly occurring with Yamaha® and some Mercury® on 4.25" (40-150HP) and 4.75" (150 to 300+HP) gearcase applications. MasterTorq SDH Sound Dampening Hub is intended for use with stainless steel propellers only but works with aluminum propellers too (Shift Dog noise is rarely an issue when using aluminum propellers).



| HUB KIT BRAND APPLICATION GUIDE                                       | Hub Kit Series    | Prop Shaft Size | Engine Brands                              | 200-300+hp<br>4.75" + GC<br>SS Props   | 90CT-175hp<br>4.75" GC<br>SS Props     | 90CT-300+hp<br>4.75" GC<br>AL Props | 40CT-150hp<br>4.25" GC<br>SS Props | 40CT-150hp<br>4.25" GC<br>AL Props | 25BF-75hp<br>3.5" GC<br>AL & SS Props | 9.9BF-35hp<br>3" GC<br>AL & SS Props | 6-20hp<br>2.5" GC<br>AL Props | Warranty |
|---|-------------------|-----------------|--|--|--|-------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|-------------------------------|----------|
| MasterTorq FSH<br>(for Fat Shaft applications)                        | 621 <sup>*5</sup> | 1.25"           | Mercury <sup>®</sup>                       | ✔                                      | ✔                                      |                                     |                                    |                                    |                                       |                                      |                               | 1 year   |
| MasterTorq SDH <sup>®</sup><br>(for noisy lower units - quieter ride) | 800 <sup>*5</sup> | 1.00"           | Yamaha <sup>®</sup> & Mercury <sup>®</sup> | ✔                                      | ✔                                      |                                     | ✔                                  |                                    |                                       |                                      |                               | 1 year   |
| MasterGuard Super Duty<br>(for heavy duty extreme load applications)  | 700 <sup>*5</sup> | 1.00"           | various                                    | ✔                                      |  |                                     |                                    |                                    |                                       |                                      |                               | Lifetime |
| MasterGuard (for typical use applications)                            | 500 <sup>*5</sup> | 1.00"           | various                                    |  | ✔                                      | ✔                                   | ✔                                  | ✔                                  |                                       |                                      |                               | Lifetime |
| MasterGuard (for typical use applications)                            | 10                | various         | various                                    |  |  |                                     |                                    |                                    | ✔                                     |                                      |                               | Lifetime |
| MasterGuard (for typical use applications)                            | 20                | various         | various                                    |  |  |                                     |                                    |                                    |                                       | ✔                                    |                               | Lifetime |
| MasterGuard (for typical use applications)                            | 200               | various         | various                                    |  |  |                                     |                                    |                                    |                                       |                                      | ✔                             | Lifetime |
| Compatible Gearcase (GC) Prop Family Symbol                           |                   |                 |  | ■                                      | ■                                      | ■                                   | ◆                                  | ◆                                  | ① ②                                   | ⚠ ⚠ ⚠                                | ★ ★                           |          |
| Aluminum (AL) Prop Brands   |                   |                 |  | -                                      | -                                      | Hustler                             | -                                  | Hustler                            | Hustler                               | Hustler                              | Hustler                       |          |
| Stainless Steel (SS) Prop Brands <sup>*4</sup>                        |                   |                 |  | Express M3<br>Express M4<br>Express OS | Express M3<br>Express M4<br>Express OS | -                                   | Express M3<br>Express M4           | -                                  | Express M3                            | Express M3                           | -                             |          |

To find the correct Prop & required Kit locate your engine/HP/model/year below. Required kit located to the right, use the color and shape to find a compatible propeller housing that works with the kit.



### STEP 1: Find The Required Installation/Hub Kit

| Engine / Drive Information   | Gearcase Spline | Kit # <sup>*5</sup> | Part # <sup>*5</sup> | Prop Family |
|--|-----------------|---------------------|----------------------|-------------|
| Mercury <sup>*1</sup><br>FourStroke™ & SeaPro™ 4cyl: 40 to 75hp /<br>2 & 4 stroke: 40 to 60 (CT/Bigfoot) / 70 ('87-'89) / 75, 80 ('78-'89), 90,<br>100, 115, 125, 140hp /<br>150 XR4/6 (thru 1993, includes equivalent Mariner Magnum I, II, III.)<br>OptiMax: 75, 90, 115, 125hp<br>115hp ProXS CT Only<br>(Not for use on ProXS & Verado w/ 1.25" prop shaft)<br>Includes FourStroke™ & SeaPro™:<br>90CT, 115CT, 150hp, 200 to 300 /<br>V6: 135 to 300hp / Verado 135 to 300hp(not HD) / OptiMax: 150, 200, 250hp  | 4.25"           | 801F                | 11800100             | ◆           |
|  | 15              | 801F                | 11800100             | ■           |
| Yamaha <sup>*2</sup><br>High Thrust: FT50, FT60 / 2 stroke: 60 to 100hp /<br>4 stroke: 70, 75 ('03-'16), 80, 90 ('03-'16), 100hp<br><br>(see note <sup>*2</sup> ): 2 stroke: 115 to 130hp / 4 stroke: 75 ('17+), 90 ('17+), 115hp<br><b>Not for Use</b> with Express Mach3 OS Propellers with part #'s 3151####:<br>2 and 4 stroke: 150 to 250hp / F300 (V6 only '09+) / Sterndrives 3.0 to 74L<br><b>Only for Use</b> with Express Mach3 OS <sup>*3</sup> Propellers with part #'s 3151####:<br>2 and 4 stroke: 150 to 250hp / F300 (V6 only '09+) / Sterndrives 3.0 to 74L | 4.25"           | 800F                | 11800000             | ◆           |
|  | 15              | 800F                | 11800000             | ■           |
|  | 4.25"           | 805F                | 11800500             | ◆           |
|  | 15              | 805F                | 11800500             | ■           |
|  | 4.75"           | 805F                | 11800500             | ■           |
|  | 15              | 805F                | 11800500             | ■           |
|  | 4.75"           | 805FT               | 11800510             | ■           |
|  | 15              | 805FT               | 11800510             | ■           |

### STEP 2: Choose A Stainless Steel Propeller

| Prop Family | BLADES | Size     | Brand <sup>*4</sup> | Right-Hand Prop Part# | Left-Hand Prop Part# |
|-------------|--------|----------|---------------------|-----------------------|----------------------|
| ◆           | 3      | 13.75x15 | Express M3          | 31431512              | -                    |
| ◆           | 3      | 13.25x17 | Express M3          | 31431712              | -                    |
| ◆           | 3      | 13.25x19 | Express M3          | 31431912              | -                    |
| ◆           | 3      | 13.25x21 | Express M3          | 31432112              | -                    |
| ◆           | 4      | 14x9     | Express M4          | 31430930              | -                    |
| ◆           | 4      | 14x11    | Express M4          | 31431130              | -                    |
| ◆           | 4      | 14x13    | Express M4          | 31431330              | -                    |
| ◆           | 4      | 13.5x15  | Express M4          | 31431530              | 31431540             |
| ◆           | 4      | 13.25x17 | Express M4          | 31431730              | 31431740             |
| ◆           | 4      | 13x19    | Express M4          | 31431930              | 31431940             |
| ◆           | 4      | 13x21    | Express M4          | 31432130              | 31432140             |
| ◆           | 4      | 13x23    | Express M4          | 31432330              | 31432340             |
| ◆           | 3      | 14.5x15  | Express M3          | 31501512              | 31501512             |
| ◆           | 3      | 14.25x17 | Express M3          | 31501712              | 31501722             |
| ◆           | 3      | 14.25x19 | Express M3          | 31501912              | 31501922             |
| ◆           | 3      | 14.25x21 | Express M3          | 31502112              | 31502122             |
| ◆           | 3      | 14.25x23 | Express M3          | 31502311              | 31502321             |
| ◆           | 3      | 15.6x11  | Express OS          | 31511110              | 31511120             |
| ◆           | 3      | 15.6x13  | Express OS          | 31511310              | 31511320             |
| ◆           | 3      | 15.6x15  | Express OS          | 31511510              | 31511520             |
| ◆           | 3      | 15.6x17  | Express OS          | 31511710              | 31511720             |
| ◆           | 3      | 15.6x19  | Express OS          | 31511910              | 31511920             |
| ◆           | 3      | 15.6x21  | Express OS          | 31512110              | 31512120             |
| ◆           | 3      | 15.6x23  | Express OS          | 31512310              | 31512320             |
| ◆           | 3      | 15.6x25  | Express OS          | 31512510              | 31512520             |
| ◆           | 3      | 15.6x27  | Express OS          | 31512710              | 31512720             |
| ◆           | 4      | 15x15    | Express M4          | 31501532              | 31501542             |
| ◆           | 4      | 14.5x17  | Express M4          | 31501731              | 31501741             |
| ◆           | 4      | 14x19    | Express M4          | 31501931              | 31501941             |
| ◆           | 4      | 14.3x21  | Express M4          | 31502131              | 31502141             |
| ◆           | 4      | 14.3x23  | Express M4          | 31502331              | 31502341             |

Note<sup>\*1</sup>: Props Not Available for '77 & Older models.  
 Note<sup>\*2</sup>: If prop strikes trim tab, replace with Yamaha part #6E5-45371-10.  
 Note<sup>\*3</sup>: If Express Mach3 OS Prop strikes trim tab, replace with Turning Point part #41505060 included in kit part #11805500.  
 Note<sup>\*4</sup>: Propeller Brands, Express Mach3 (M3) 3 Blade, Express Mach3 OS (OS) large diameter 3 Blade, Express Mach4 (M4) 4 Blade.  
 Note<sup>\*5</sup>: 500, 600, 700, 800 Hub Kit Series are Compatible & Interchangeable with Competitors' Hub & Prop Systems. Works with Mercury™ Flo-Torq™, Michigan Wheel™ XHS™, Solas™ Rubex™ hubs & prop housings.  
 Note<sup>\*\*</sup>: For Non Mercury and Yamaha applications use MasterGuard Hub Kits, as they rarely experience shift dog lower unit noise and vibration.

