



2 Lever Side Mount Shifter 620-60350 I

Congratulations on purchasing the finest side mount shifter available. This shifter is made from 6061 billet aluminum and is hand assembled in the USA. The sterndrive shifter is assembled to match the standard Mercury installation which will pull the throttle open and will pull the cable into forwards and push the cable into reverse. The jet boat shifter is assembled to pull the throttle open and will push the cable into forwards and pull the cable into reverse. This configuration can be changed simply by moving the shift arms to correspond to your applications need of pushing or pulling. These changes are outlined in the illustrations below as are the wiring instructions for the neutral safety switch, engine kill switch, trailer position switch, and trim switches.

This shifter is designed to use 33c series cables or the newer Mercury Gen II cables on sterndrive installations for both the throttle and shift functions. Cables adapters are used for Mercury applications if your boat uses the 33c style of cables, use part number 620-30212 for these adapters. The jet boat shifter will use a 33c series cable for the throttle acuation and a 43 series cable for the shift function. The older Mercury KM styles cables WILL NOT work with this shifter and you will have to change the cables to one of the above mentioned.

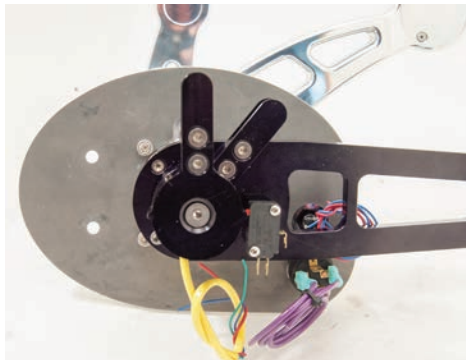
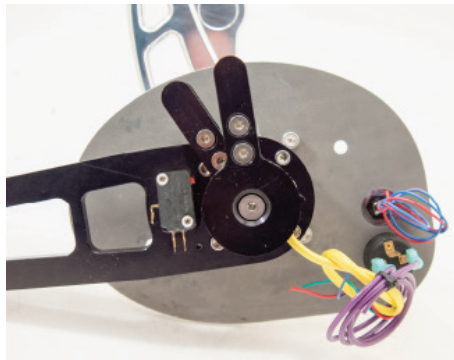
The Hardin Marine side mount shifter requires a minimum clearance of 3 1/8" from the mounting surface to the inside of the gunwale as to not have any shift arm interference.

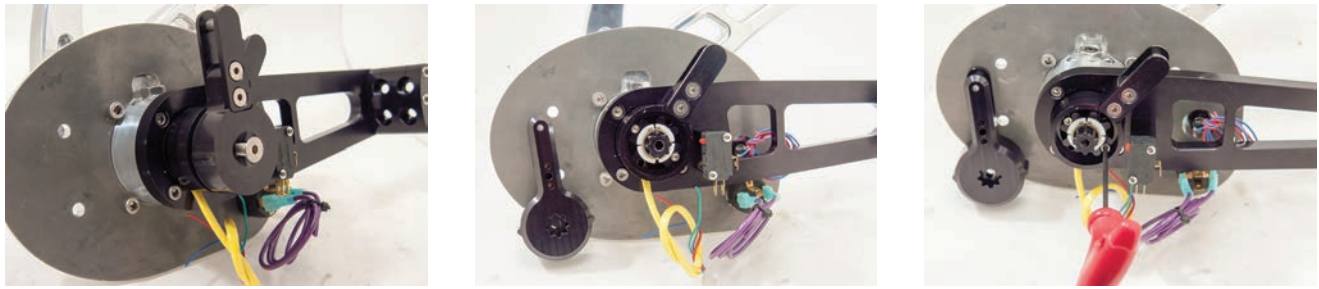
Please follow all instructions completely to make sure that you will have trouble free operation of your new Hardin Marine shifter.

Installation

A cutout template is supplied with these instructions for new installations and can also be used to check that an existing cutout is correct to fit the new shifter. Follow the instructions on the cutout template for the correct cutout procedure.

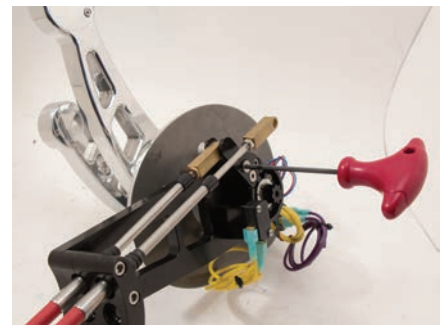
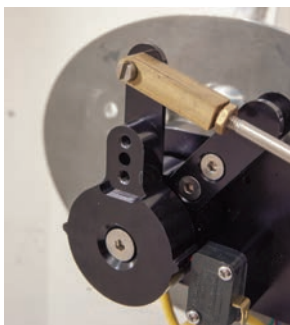
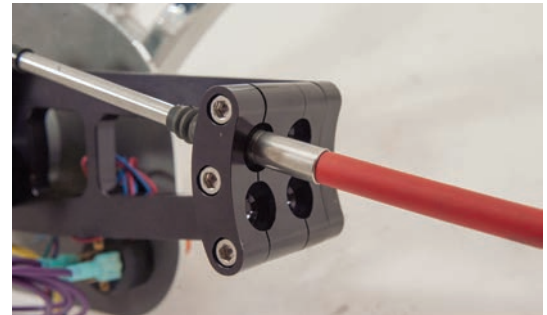
The cable bracket on the shifter can be positioned so the cable entry is from the rear, front, or bottom depending on available space behind the shifter. This position is changed by removing the 2 shift arms on the back of the shifter and then loosening the 4 allen bolts that retain the cable bracket. When the bolts have removed position the bracket into the desired position either back, forward, or down and tighten the the four bolts. The shift arms will need to be repositioned as well into the push/pull direction that is required for your application.





The neutral safety switch needs to be positioned so the connections point away from the shift cable connection as to not have any interference.

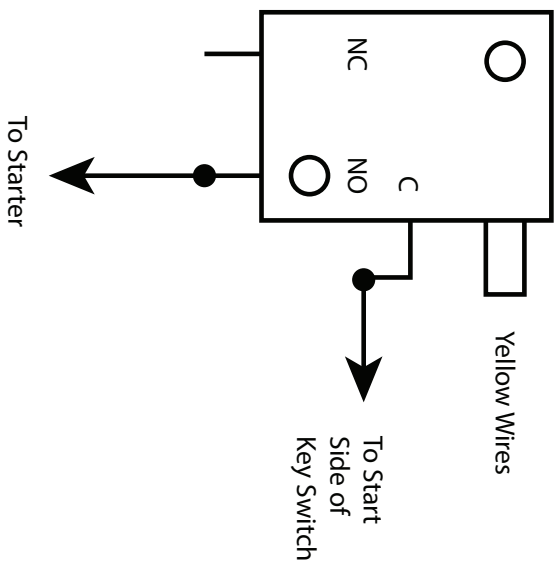
Installing the cables is done by removing the 3 allen bolts that retain the cable clamp in place and the 2 bolts on the shift arms for each cable. Thread the brass cable end onto the cable (if using the 33c or 43 style cables) as this will also be used for fine tuning the adjust as well if needed. **If you are using the Mercury GenII cable then the you will not use the brass cable ends as the GenII cable has the correct end already.** The cable goes into the clamp that is on the same side as the pin on the shift lever with the throttle cable mounting closet to the bracket and the shifter cable mounting in the hole further from the bracket. Reposition the cable clamp on the bracket and tighten the 3 allen bolts. Slip the brass cable ends over the lever pins and reposition the the retainer and bolts and tighten. If you are already running the 33c cables then the engine connections will already be done. If you are installing new cable follow the instructions with the cable adapters for the correct installations.



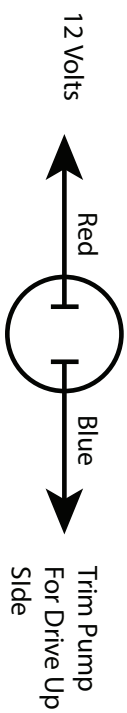
The shifter can be mounted to the side panel by either thru bolting with 1/4" x 1 1/4" flat head bolts and nuts or #14 x 1" oval head screws. Make sure that the shifter is mounted solid to the side panel and that the levers can operate freely without any interference.

Follow the wiring diagrams below for the correct connections for each of the components.

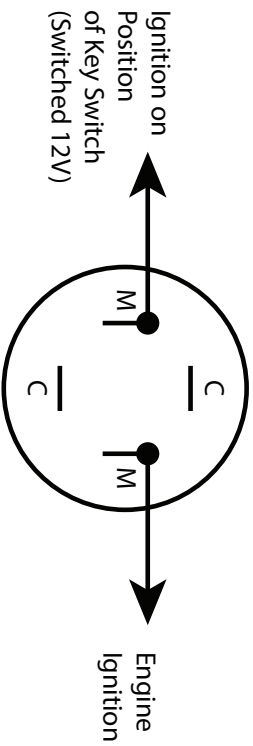
Neutral Safety Switch



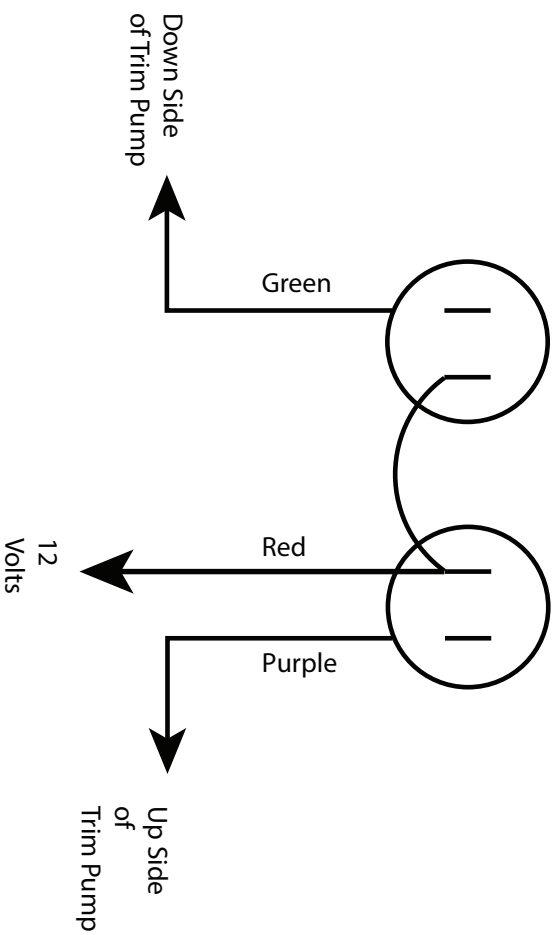
Trailer Up Button



Kill Switch Purple Wires



Trim Switches



HARDIN 11 Industry Dr. Palm Coast, FL 32137
MARINE 386-445-2500 / FAX 386-445-1122

PART NO.
620-60350

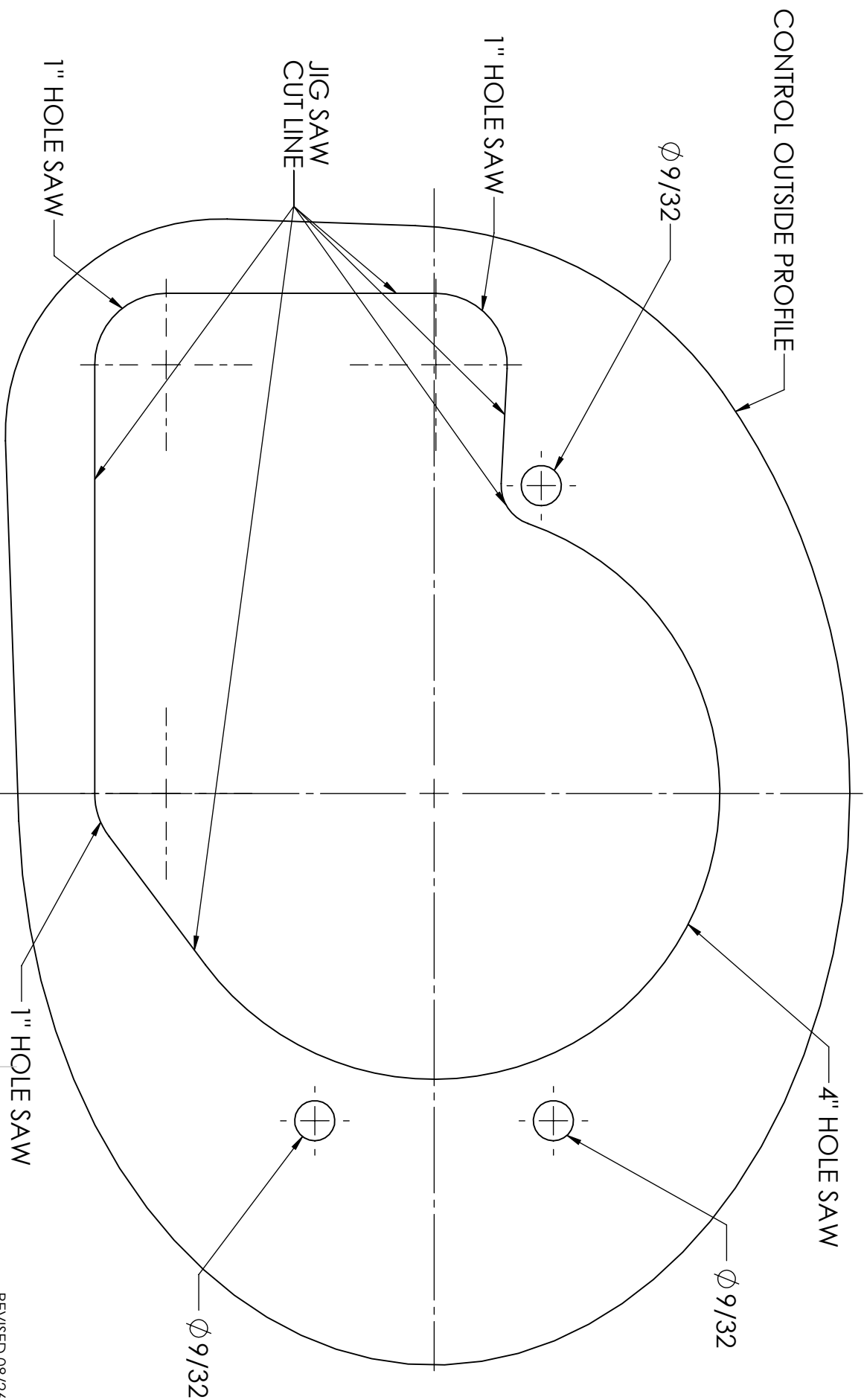
TITLE:

SIDE MOUNT CONTROL CUTOUT TEMPLATE

www.hardin-marine.com

TEMPLATE USAGE:

- 1) TAPE TEMPLATE TO MOUNTING POSITION. USE THE OUTSIDE PROFILE TO INSURE CONTROL HAS FLAT MOUNTING SURFACE.
- 2) DRILL OUT CENTER WITH 4" HOLE SAW.
- 3) DRILL THE (3) 1" HOLE SAW HOLES.
- 4) DRILL THE (3) CONTROL 9/32 MOUNTING HOLES.
- 5) USE A JIG SAW TO CUTOUT THE REMAINING HOLES FOLLOWING THE LINES.
- 6) DEBURR ALL HOLES AND CUT LINES PRIOR TO INSTALLATION.



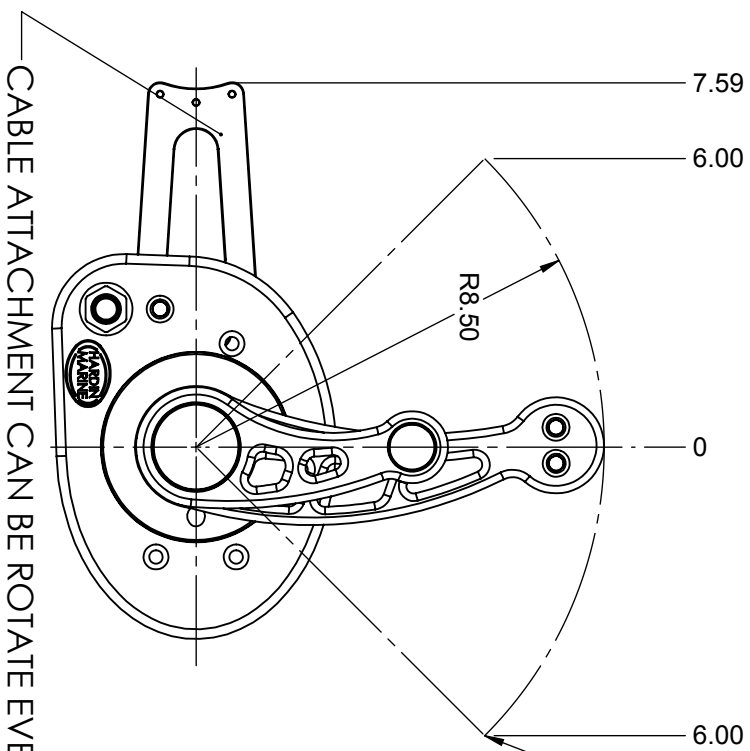
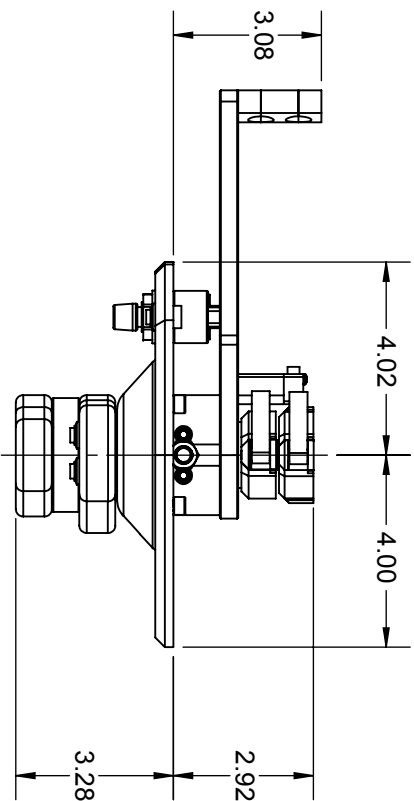
REVISED 08/26/15

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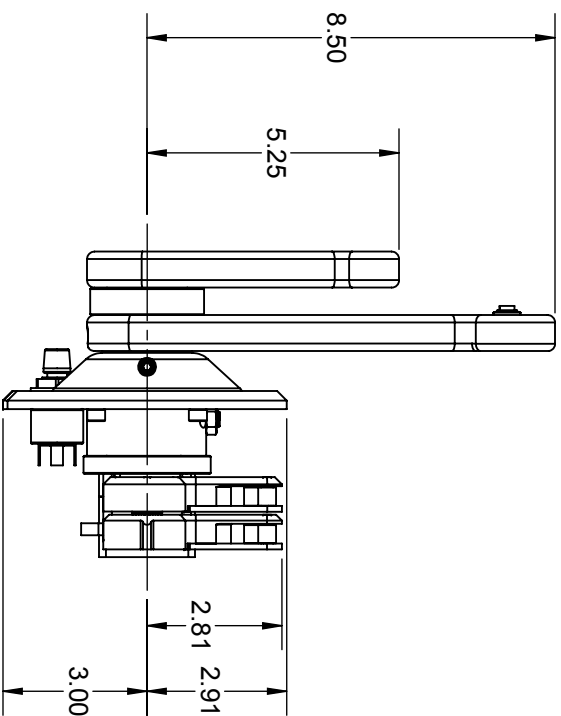
PART NO.
620-60350

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TITLE: SIDE MOUNT CONTROL INSTALLATION
DIMENSIONS



THROTTLE START POSITION



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CABLE USE GUIDE



33C CABLE



MERCURY GEN II



MERCURY KM

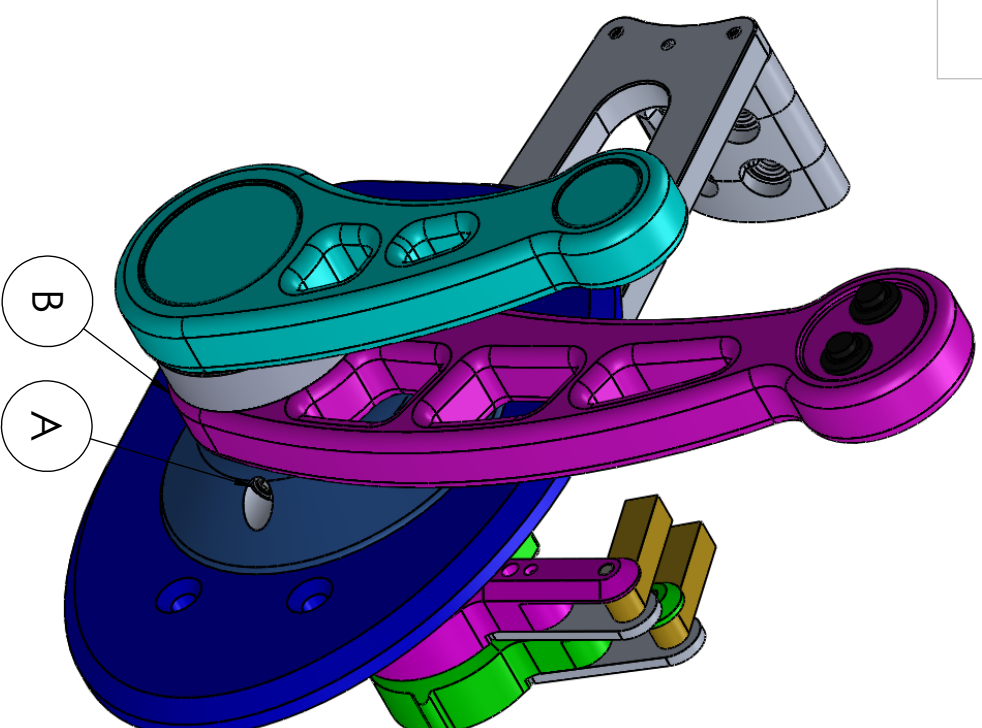


HARDIN 11 Industry Dr. Palm Coast, FL 32137
MARINE 386-445-2500 / FAX 386-445-1122

620-603350

TITLE: STILETTO SIDE MOUNT CONTROL -
THROTTLE TENSION

www.hardin-marine.com



ADJUSTING THROTTLE TENSION:

- 1) INSERT 5/32 ALLEN KEY INTO SET SCREW, FIG. A.
- 2) TURN CLOCKWISE TO APPLY MORE TENSION.
- 3) TURN COUNTER CLOCKWISE TO LOOSEN TENSION.
- 4) DO NOT TOUCH SET SCREW AT THE BOTTOM OF THE THROTTLE LEVER, FIG. B.