



11 INDUSTRY DR.
PALM COAST, FL. 32137
PHONE 877.900.7278
FAX 386.445.1122

HARDIN MARINE XTREME CONTROL INSTALLATION INSTRUCTIONS

You will need the following tools to install your new controls, (1) 5/16 wrench, (1) 5/32 allen wrench, (1) drill, (1) 7/32" drill bit, (1) jigsaw. ****NOTE** Mounting hardware is not provided. It is recommended to use #10 flat head stainless steel cap screws, the length varies per application.**

- 1) Your new Hardin Marine Xtreme controls utilize 33 series cables. You will need 1 cable per control handle. When installing new controls it is recommended to use new cables. **You can purchase Hardin Marine cables through Hardin Marine or your local Hardin Marine dealer.** When installing new cables, it is recommended to route the new cables in the same location as the old ones.
- 2) Select your desired location for the mounting of your controls. The controls are designed to be installed on a flat surface. **Use either the 2 or 4 lever cutout** to determine the appropriate location. After cutting the correct hole size and drilling the mounting, place your controls in their location.
- 3) Attaching your throttle and shifter cables to your new controls is a simple process. This is done by routing your cables first through the pivot swivel. This swivel will be a round disk with a lock down tab. **See figure #3-A.** It will be located on the bottom, forward or rear of the base on your control unit. The location of this swivel will be based on your application given to the factory prior to the construction of your control unit. ***NOTE*** the pivot swivel located nearest to the middle of your control base will have to be removed and reinstalled to correctly install your control cable. **See figure #2-B.** You may now attach the very end of your control cables by threading them into the small black mounting block on your control. **See figure #3-B.** Once threaded into this block you may now lock the cables into place by tightening the 5/16 locking nut against the mounting block.
- 4) Looking down through the top of the control you will see two mounting tabs with holes in them, **See figure #2-A.** You may now insert mounting bolts down through the top of your controls through the mounting tabs and through the holes you have previously drilled. Secure these bolts from underneath with washers and lock nuts. ***NOTE* Mounting hardware is not provided. It is recommended that #10 flat head stainless steel cap screws are used, the length varies per application.**
- 5) Your controls are now installed and ready for use. Make sure all cable connections are tight and there are no bends or kinks in your cables. ***WARNING* Make sure that all cables are adjusted properly before operating engines.**
- 6) Although adjusted at the factory, the throttle and shifter detents and tension may be easily adjusted by inserting a 5/16 allen wrench through the top of the control cover. **See figure #2-C & 3-C.** Turning the allen screws clockwise will tighten the detents and tension. Turning counter clockwise will loosen the detents and tension pressure.

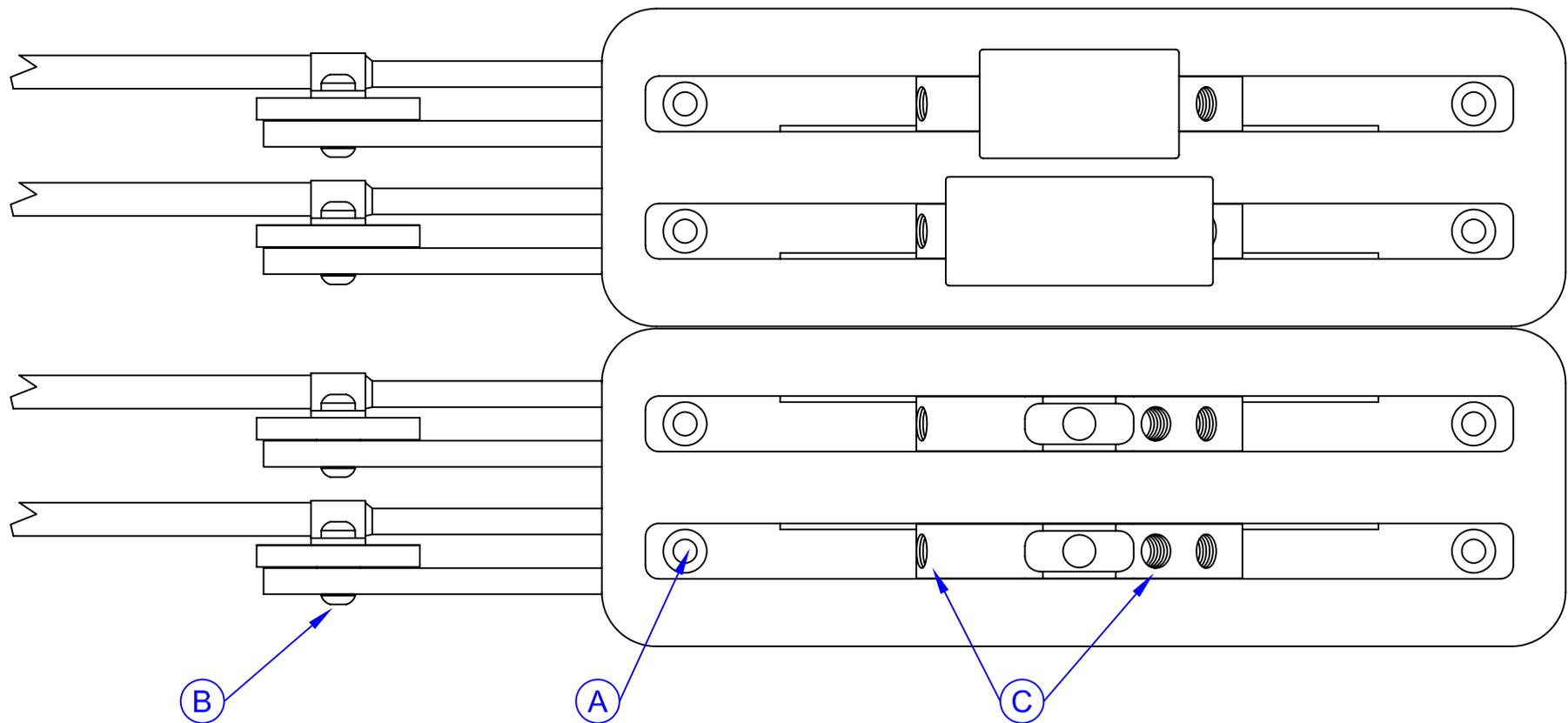


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- 7) **See figure #3** for optional throttle trim button wiring guide.
- 8) For technical assistance please call Hardin Marine at 877-900-7278, Monday thru Friday 9:00am to 6:00pm est.

FIGURE 2

THE BOTTOM 2 LEVERS ARE SHOWN WITHOUT KNOBS TO SHOW WHERE THE DETENT AND TENSION SCREWS ARE LOCATED.



**HARDIN MARINE
QUICK DRAW CONTROLS**

FIGURE 3

WIRING INSTRUCTIONS

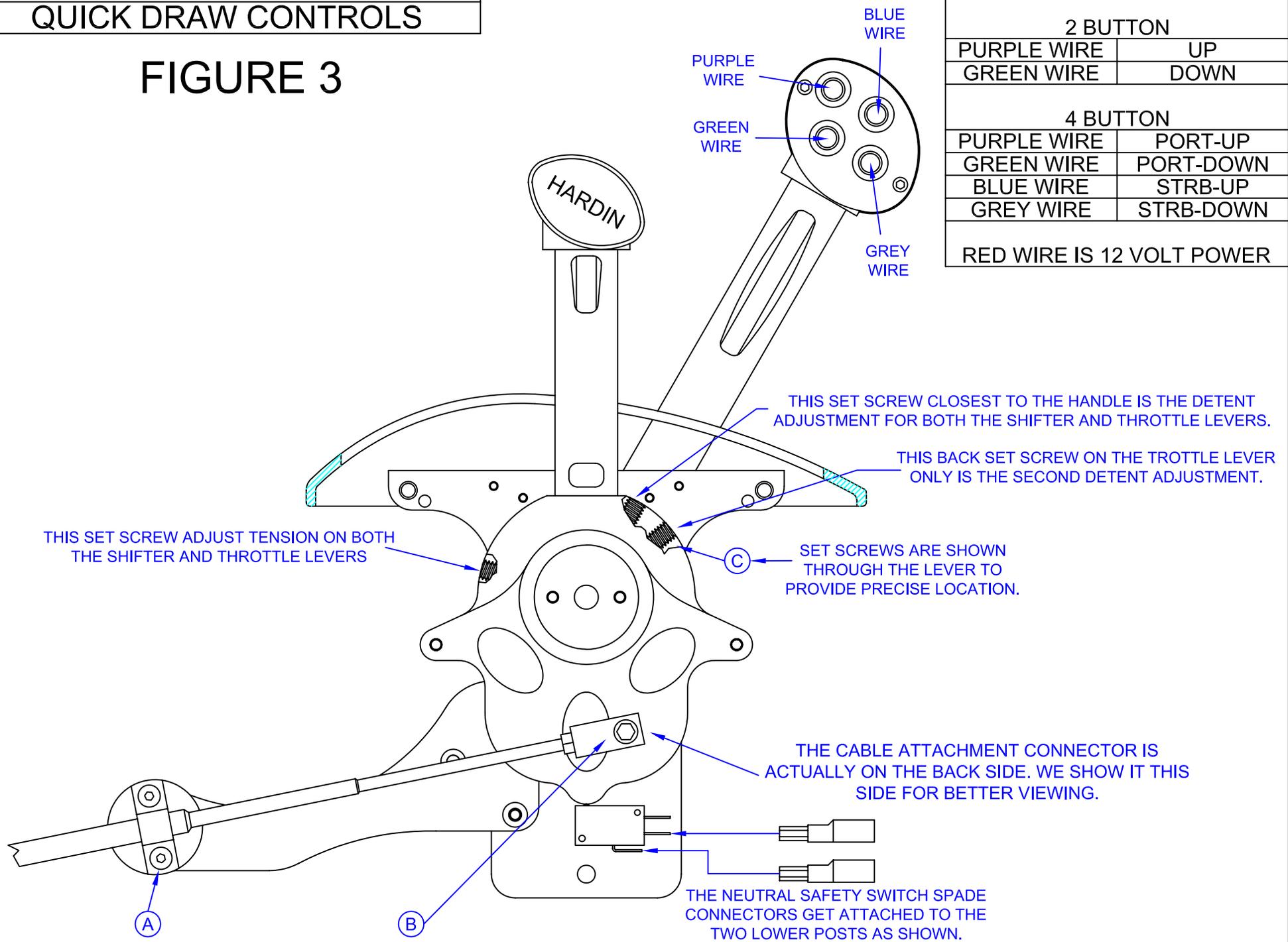
2 BUTTON

PURPLE WIRE	UP
GREEN WIRE	DOWN

4 BUTTON

PURPLE WIRE	PORT-UP
GREEN WIRE	PORT-DOWN
BLUE WIRE	STRB-UP
GREY WIRE	STRB-DOWN

RED WIRE IS 12 VOLT POWER



THIS SET SCREW ADJUST TENSION ON BOTH THE SHIFTER AND THROTTLE LEVERS

THIS SET SCREW CLOSEST TO THE HANDLE IS THE DETENT ADJUSTMENT FOR BOTH THE SHIFTER AND THROTTLE LEVERS.

THIS BACK SET SCREW ON THE THROTTLE LEVER ONLY IS THE SECOND DETENT ADJUSTMENT.

SET SCREWS ARE SHOWN THROUGH THE LEVER TO PROVIDE PRECISE LOCATION.

THE CABLE ATTACHMENT CONNECTOR IS ACTUALLY ON THE BACK SIDE. WE SHOW IT THIS SIDE FOR BETTER VIEWING.

THE NEUTRAL SAFETY SWITCH SPADE CONNECTORS GET ATTACHED TO THE TWO LOWER POSTS AS SHOWN.



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QUICK DRAW SHIFT & THROTTLE CONTROL CONFIGURATION QUESTIONNAIRE

Customer Name: _____

Invoice Number: _____

Part Number: _____

Standard ST TS STTS SSTT TTSS
Configurations "S" = Shifter Position "T" = Throttle Position

Cable Entry: BOTTOM (Push or Pull) FRONT (Pull Only) REAR (Push Only)

Number of Trim Button Sets: _____

Trim Button Location: RIGHT HAND LEFT HAND BOTH

Base Color: _____

Knob Color: _____

Shift Location: RIGHT HAND LEFT HAND CENTER

Signature

Date

Please complete this form in its entirety and fax to Hardin Marine at:
386-445-1122.



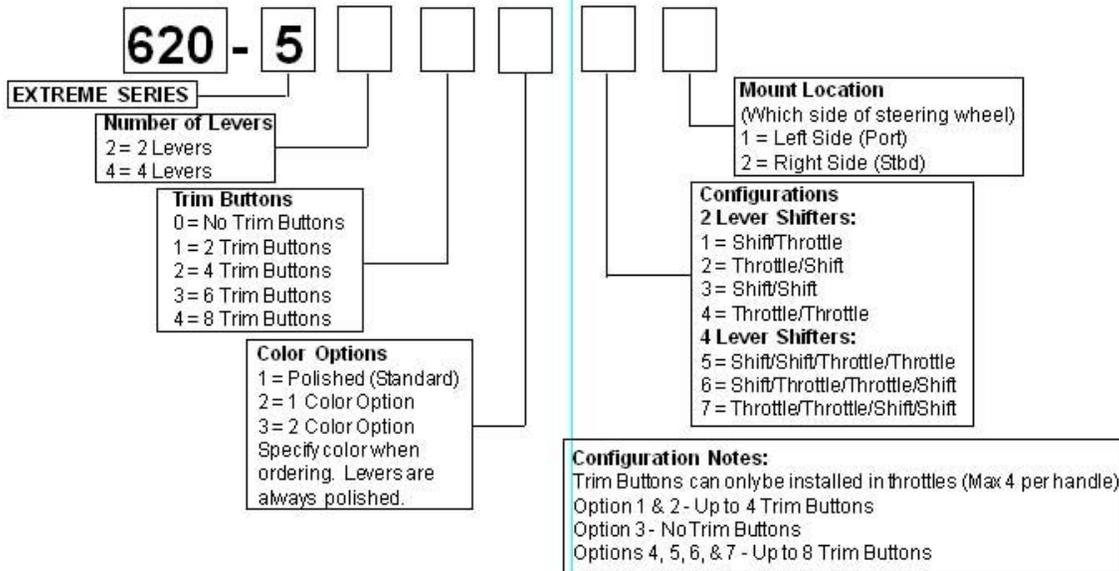
11 Industry Drive
 Palm Coast, FL 32137
 phone: 877-900-7278
 fax: 386-445-1122

Name: _____

Address: _____

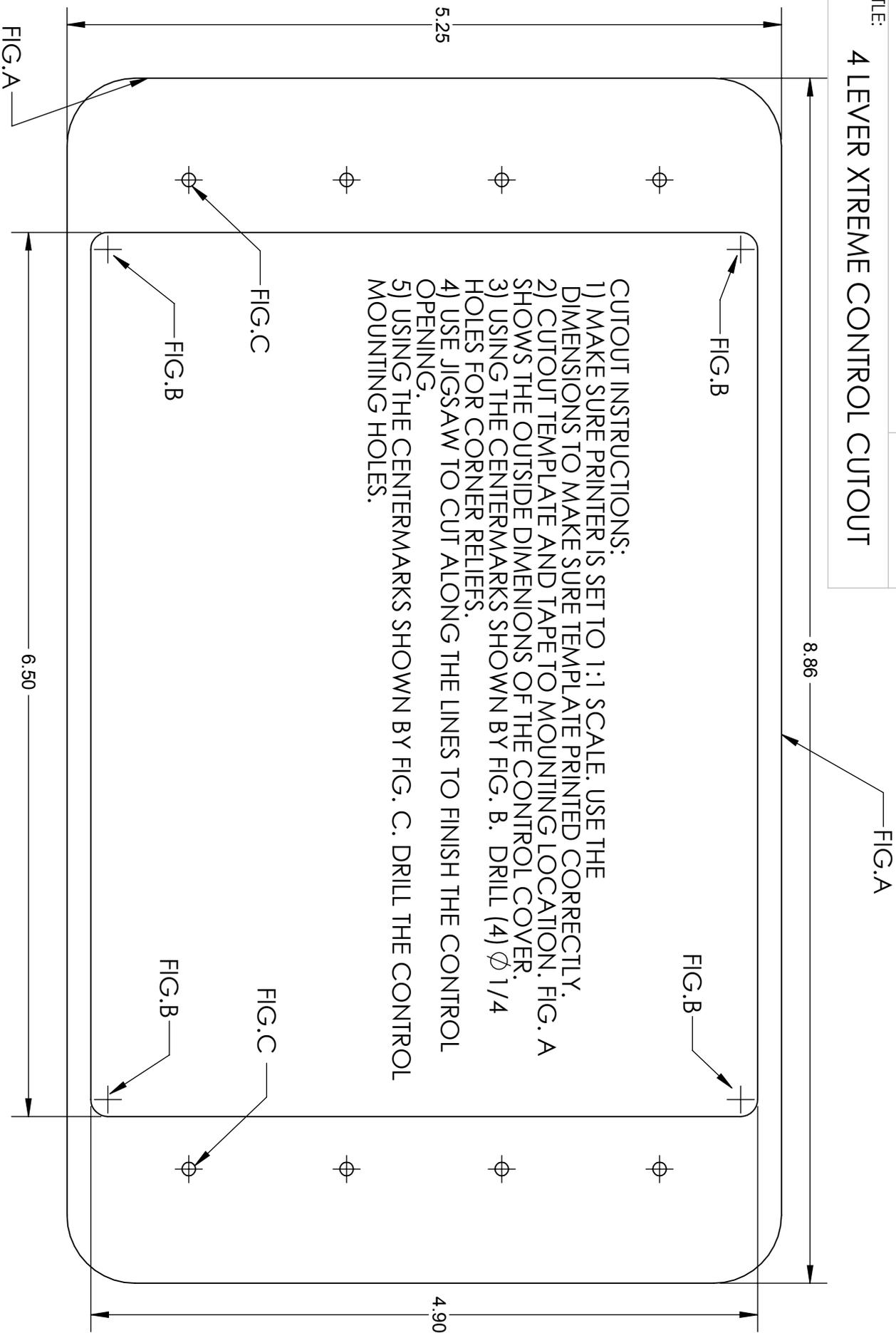
Phone: _____ Fax: _____ Email: _____

Use this matrix to determine the part number for your custom Hardin Marine Xtreme Shift/Throttle Control



Colors Available: Available in (P) Polished, (B) Blue, (R) Red, (BK) Black, (PUR) Purple, (TL) Teal, (W) White, (Y) Yellow

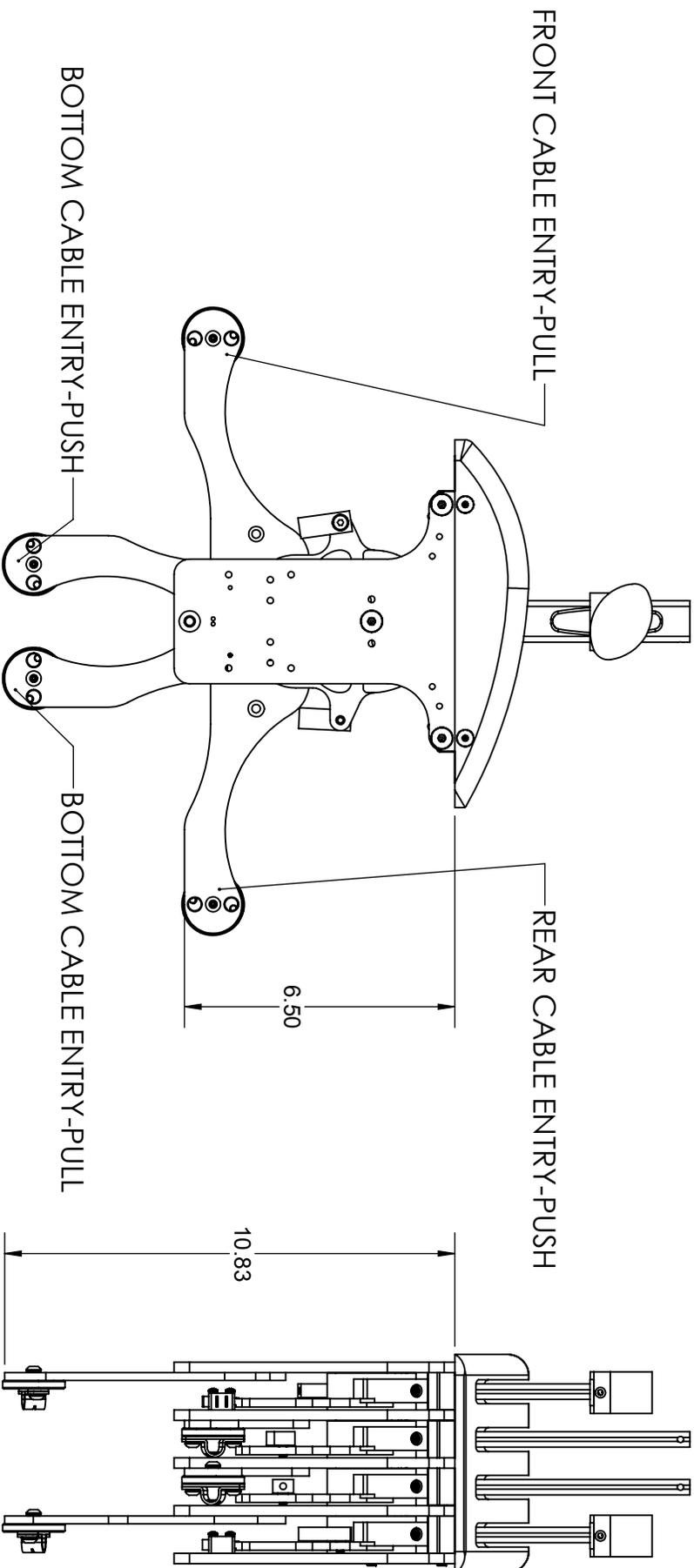
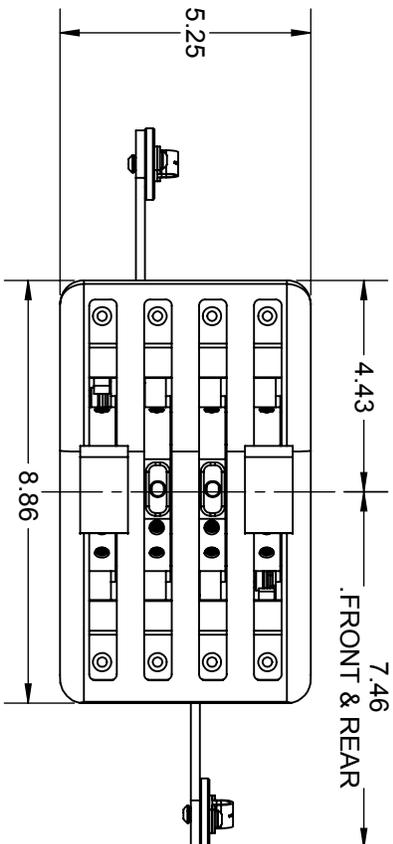
TITLE:
4 LEVER XTREME CONTROL CUTOUT



- CUTOUT INSTRUCTIONS:
- 1) MAKE SURE PRINTER IS SET TO 1:1 SCALE. USE THE DIMENSIONS TO MAKE SURE TEMPLATE PRINTED CORRECTLY.
 - 2) CUTOUT TEMPLATE AND TAPE TO MOUNTING LOCATION. FIG. A SHOWS THE OUTSIDE DIMENSIONS OF THE CONTROL COVER.
 - 3) USING THE CENTERMARKS SHOWN BY FIG. B. DRILL (4) ϕ 1/4 HOLES FOR CORNER RELIEFS.
 - 4) USE JIGSAW TO CUT ALONG THE LINES TO FINISH THE CONTROL OPENING.
 - 5) USING THE CENTERMARKS SHOWN BY FIG. C. DRILL THE CONTROL MOUNTING HOLES.

TITLE:

CABLE ENTRY DIMENSIONS



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