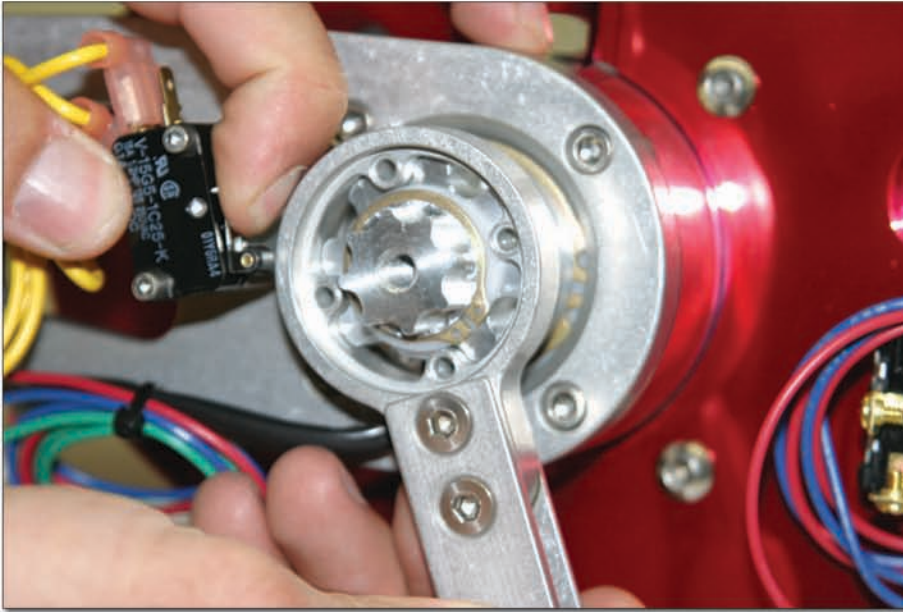


# WARNING!



*Be very careful  
when removing  
and installing  
the shifter pivot  
arm **not to damage  
the neutral safety  
switch.***

**The following cables WILL work with this control.**



**The following cable WILL NOT work with this control.**





## **Side Mount Billet Shifter**

***Congratulations on purchasing the finest  
Side Mount Shifter on the market.***

### **Please note:**

**Not following the instructions during the installation of this product can result in wasted hours of unwanted labor. The step by step process we have created will ensure a smooth installation. There are several steps that must be done in the proper sequence in order to achieve your goal of an easy bolt on installation.**



1. Remove stock shifter, this process will vary depending on the control you are removing.



2. When removing stock backing plate take note of the cable entry positions, and the type of movement (**push or pull**). This will be a great help later in the install.



3. Before clipping the stock wiring be sure to mark each wire with the correct function to avoid confusion when re-wiring.



4. This is the best time to make a mental note of the throttle and shift cable locations as referred to in step 2. Be sure to mark which cable is shift and throttle.



5. Now remove the cables from the stock shifter.

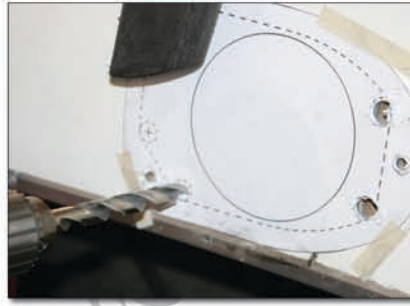


6. Take the provided cutting template, and cut on the line for proper fitment.





7. BEWARE. Before cutting or drilling any holes, be sure there is a minimum of 3 3/8" of clearance behind the shifter mount plate.

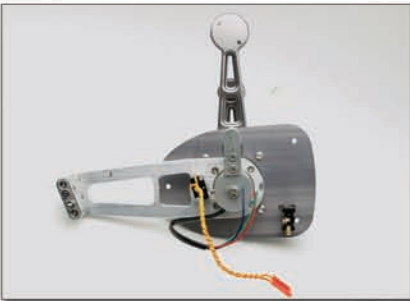


8. With the cutting template taped into place, start by drilling the mounting holes by using a 1/4" drill bit. Next drill your cutting pilot holes using a 1/2" drill bit.

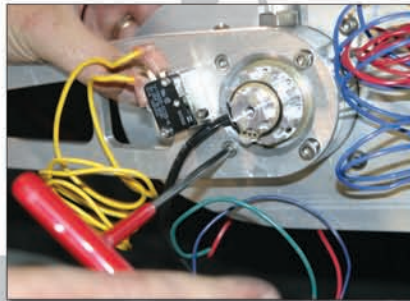


9. Now with all of your holes drilled, using an air saw or a jig saw, cut on the dotted line to create the proper opening for your shifter.

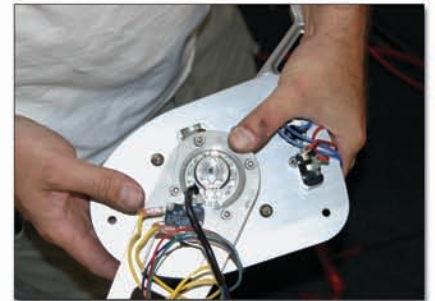
**(During these steps (7,8,9) we recommend keeping a vacuum near by to avoid fiberglass shavings from getting into your boats carpet.)**



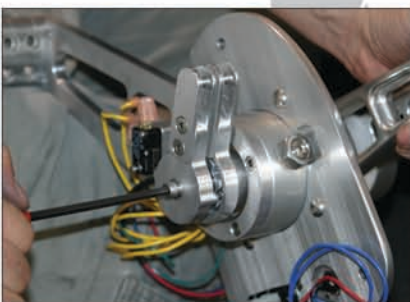
10. At this time refer to cable entry chart, and determine the proper location of the anchoring point and pivot arms for your installation.



11. Once you have made a selection on cable mounting, make any necessary adjustments at this time.



12. Once in proper position be sure to tighten all fasteners.



13. When attaching pivot arms take special care in making sure that the arms will provide proper movement, as required for your throttle and shift.



14. Make all of the proper wire connections according to the labels you had made during step 3.

Note:

Kill switch wiring colors:

Purple & Purple w/white stripe

Shifter arm wiring colors:

Green=Down Trim

Blue or Purple=Limit up trim  
(connect to purple wire from trim pump)

Red=Power 12 Volt

Neutral Safety Switch wires:

Yellow / Red stripe

Trailer Switch wires:

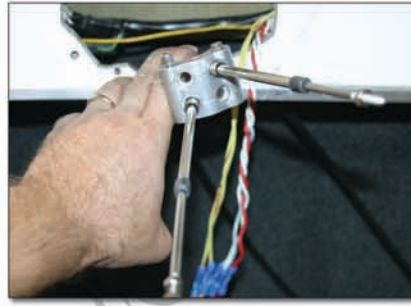
Red=Power 12 Volt

Blue=Trailer trim up  
(connect to blue wire from trim pump)





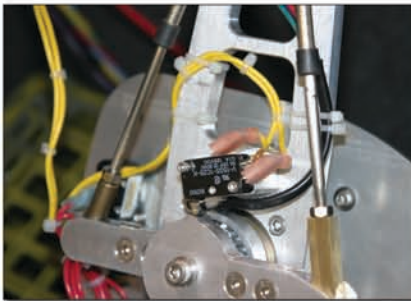
16. If your cables have cable adapters attached, they will need to be removed.



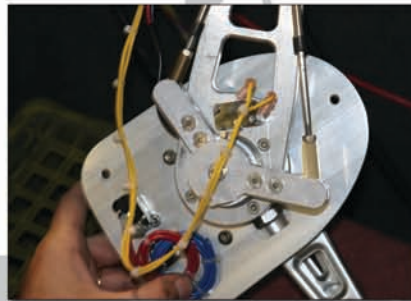
17. With the cable anchoring point removed from the shifter arm, attach your cables securely as required. The angle in which these are mounted will determine how they interact with the pivot arms.



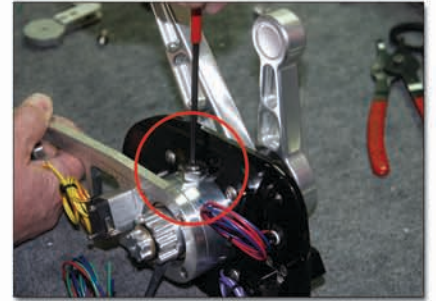
18. Re-attach anchoring point to the shifter arm. If using a 33c cable use supplied cable ends to attach cables to pivot arms. Mercury style cables do not require cable ends to make this attachment.



19. Notice that all of the wiring is tie wrapped out of the way to avoid any moving parts, this is a must.



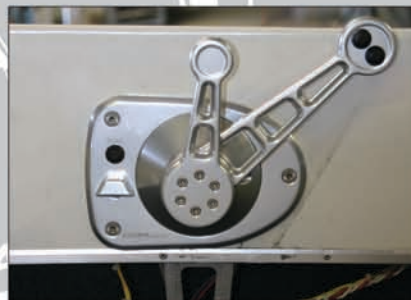
20. Before final installation be sure to check cable arm movements to ensure proper cable actions for throttle and shift.



21. The neutral detent adjustment is set from the factory to the correct specs. You can adjust it to your feel, but over tightening can cause detent failure.



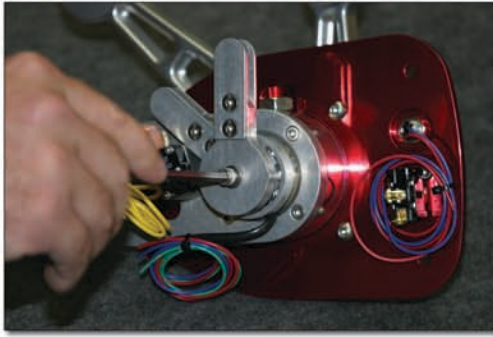
22. The throttle tension adjustment can be set to your preference by simply adjusting the set screw. It can be done off the boat, but we suggest doing this once it is installed to feel the tension from the cable first.



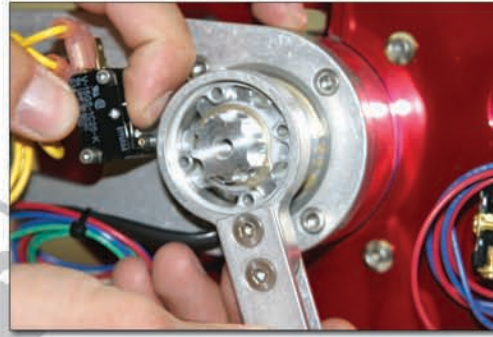
23. Install your completed shifter into your boat. Now sit in the driver's seat and make motor sounds, with one hand on the wheel, and one on the shifter because you are really that excited!



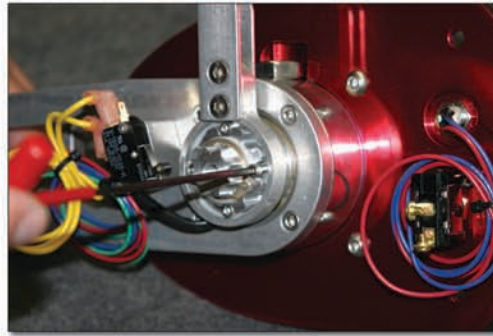
# Cable Entry Chart



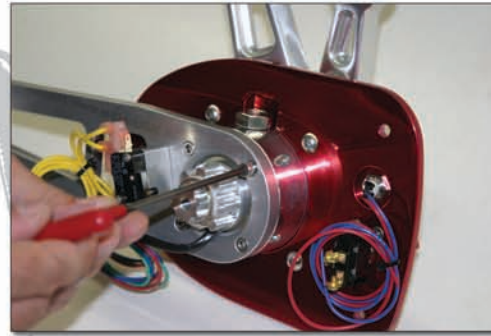
Remove center bolt to remove the shifter pivot arm.



Be very careful when removing and installing the shifter pivot arm not to damage the neutral safety switch.

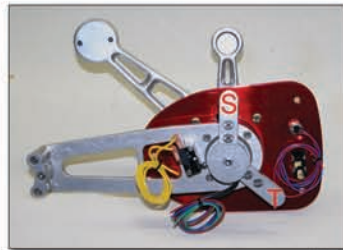


Remove the 4 allen bolts to remove the throttle pivot arm. Again be very careful with the neutral safety switch.

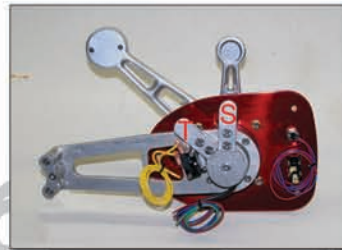


Remove the 4 larger allen bolts to remove the shifter arm.

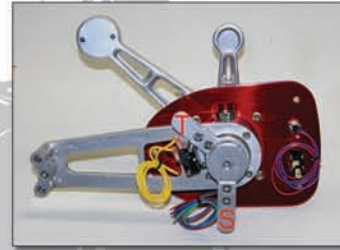
## Straight Back



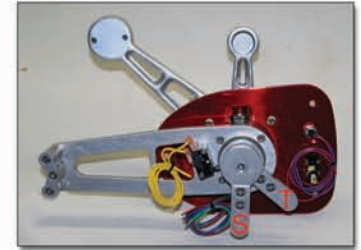
Throttle: Push  
Shift: fw/pull rev/push



Throttle: Pull  
Shift: fw/pull rev/push  
(Standard for most MerCruiser I/O applications)

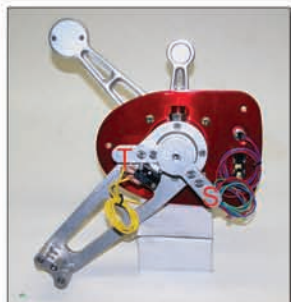


Throttle: Pull  
Shift: fw/push rev/pull

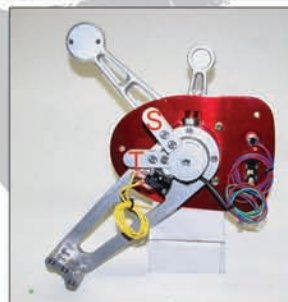


Throttle: Push  
Shift: fw/push rev/pull

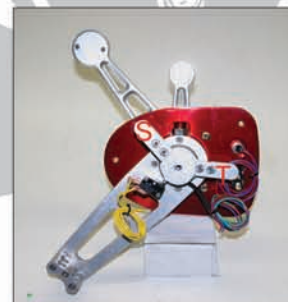
## 45 Degree Back



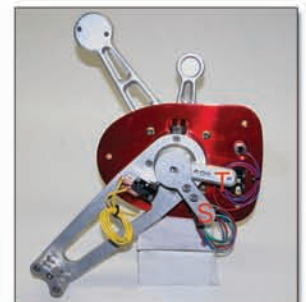
Throttle: Pull  
Shift: fw/push rev/pull



Throttle: Pull  
Shift: fw/pull rev/push



Throttle: Push  
Shift: fw/pull rev/push



Throttle: Push  
Shift: fw/push rev/pull

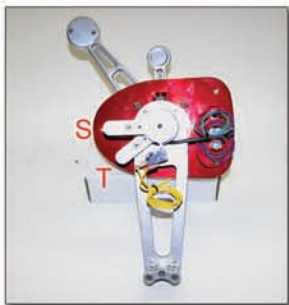
**T=Throttle Pivot**

**S=Shifter Pivot**



# Cable Entry Chart

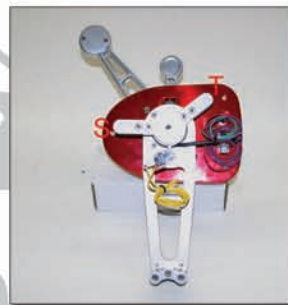
## 90 Degree



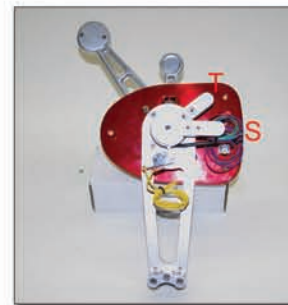
Throttle: Pull  
Shift: fw/pull rev/push



Throttle: Pull  
Shift: fw/push rev/pull

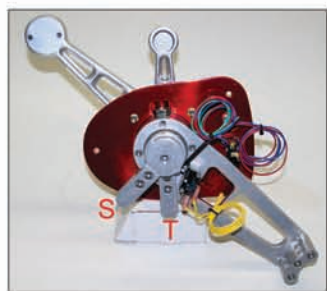


Throttle: Push  
Shift: fw/pull rev/push



Throttle: Push  
Shift: fw/push rev/pull

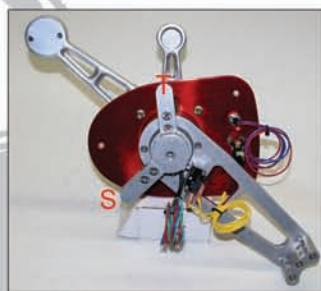
## 45 Degree Forward



Throttle: Pull  
Shift: fw/pull rev/push



Throttle: Pull  
Shift: fw/push rev/pull

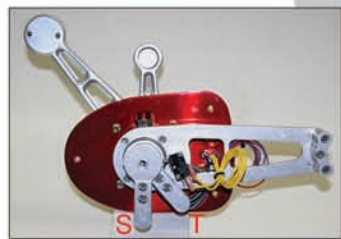


Throttle: Push  
Shift: fw/pull rev/push



Throttle: Push  
Shift: fw/push rev/pull

## Straight Forward RUN



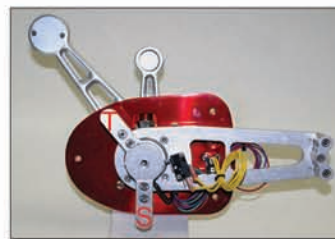
Throttle: Pull  
Shift: fw/pull rev/push



Throttle: Pull  
Shift: fw/push rev/pull



Throttle: Push  
Shift: fw/push rev/pull



Throttle: Pull  
Shift: fw/pull rev/push

**T=Throttle Pivot**

**S=Shifter Pivot**