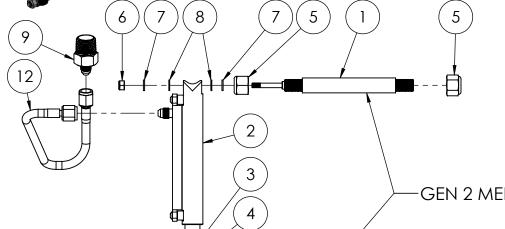
PART NO. MAYFAIR HYDRAULICS **DESCRIPTION** PART NUMBER QTY. ITEM NO. 137-8682 137-8664 PIN, MERC TRIM RAM w/BUSHING 4 GEN 2 MERCURY TRIM TAB LED RETRO KIT-PARTS BREAKDOWN 2 137-8686 SENDER MOUNT 2 2 3 90010F200SES SCREW, SET www.mayfairhydraulics.com 90010FP-FNSS NUT, 10-32 2 4 5 90050FN-FNSS 8 NUT, NYLON, 1/2"-20 6 90010CN-FNSS NUT, 10-24 4 7 90010AN-STSS WASHER, #10 AN 8 90010AN-STPL WASHER, 10 NYLON 8 4 9 2 FITTING, TRIM TAB SENSOR 137-8417 137-8665 SPACER, ACTUATOR PIN 4 10 2 CABLE END, TRIM TAB 11 137-8059 2 137-8666 HOSE, LED SENDER 12



IMPORTANT NOTES:

- 1) ONLY 1 ASSEMBLY SHOWN. KIT COMES WITH 2 OF THESE ASSEMBLIES 2) ALWAYS USE ANTI-SIEZE ON ALL BOLTS & #12 137-8666 HOSE.
- 3) TORQUE #10 NUTS TO 20 IN. LBS.. 4) TORQUE 7/16 NUTS TO 40 FT. LBS..
- 5) USE LIQUID PIPE TAPE TO INSTALL #9 137-8417 FITTING.

GEN 2 MERCURY TRIM TABS USE \emptyset 5/8 PINS

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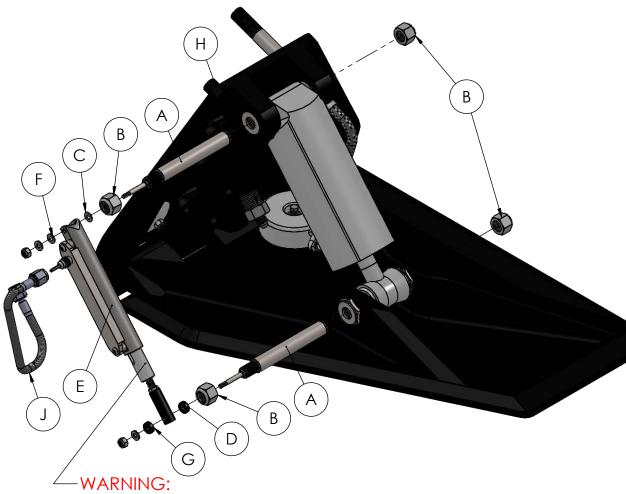
MAYFAIR HYDRAULICS

PART NO. 137-8682

TITLE:

MERCURY GEN2 TRIM TAB ACTUATOR KIT

www.mayfairhydraulics.com



COAT WITH MERCURY 2-4-C GREASE.
BEFORE INSTALLING AND PERIODICALLY
INSPECT AND REAPPLY GREASE!

INSTALLATION INSTRUCTIONS:

- 1) REMOVE OLD TRIM PINS AND CABLE THRU HULL FITTINGS.
- 2) SEE PARTS BREAKDOWN PRINT FOR PART NUMBERS AND ASSEMBLY LOCATIONS.
- 3) APPLY ANTI SIEZE TO THE OD OF BOTH 137-8057 PINS AND THREADS. SEE FIG. A.
- 4) SLIDE PINS INTO TABS AND RAMS. MAKE SURE TO KEEP THE ORIGINAL SPACERS IN THE SAME POSITION.
- 5) INSTALL 7/16 NUTS, FIG. B. TORGUE TO 40 FT. LBS..
- 6) SLIDE #10 NYLON WASHER ON THE UPPER STUD, FIG. C.
- 7) SLIDE 137-8665 SPACER ON TO THE LOWER STUD, FIG. D.
- 8) SLIDE SENDER MOUNT ON TO THE STUDS, FIG. E.
- 9) INSTALL #10 NYLON WASHER, #10 STAINESS WASHER AND NUT ON TO THE UPPER STUDS, FIG. F. TORQUE TO 20 IN. LBS.. THE NUTS WILL BOTTOM OUT ON THE STUD. SLIDE SENDER SHOULD BE FREE TO MOVE.
- 10) INSTALL 137-8665 SPACER, #10 STAINESS WASHER AND NUT ON TO THE LOWER STUD, FIG. G. TORQUE TO 20 IN. LBS.
- 11) APPLY LIQUID PIPE TAPE TO 137-8417 FITTING, FIG H. INSTALL IN THREADED HOLE WERE THE CABLE THRU HULL WAS.
- 12) SLIDE WIRES FROM HOSE AND SENDER THRU THE FITTING.
- 13) APPLY ANTI SIEZE TO 137-8417 FITTING AND LED SENDER. INSTALL 137-8666 HOSE, FIG J.
- 14) PROCEDED TO WIRING INSTRUCTIONS.

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HARDIN MARINE

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

PART NO.

137-8414

TITLE:

TRIM SENDER - GEN 2

www.hardin-marine.com

DASH PANEL TO SENDER WIRE COLOR CODE:

- 1) BLACK GROUND
- 2) RED 12V/ 5AMP FUSED KEYED POWER
- 3) YELLOW DASH LIGHTS
- 4) BLUE PORT SENDER BLACK & YELLOW (GROUND)
- 5) WHITE PORT SENDER WHITE (SEND)
- 6) GREY PORT SENDER RED (POWER)
- 7) BLUE STBD SENDER BLACK & YELLOW (GROUND)
- 8) WHITE STBD SENDER WHITE (SEND)
- 9) GREY STBD SENDER RED (POWER)

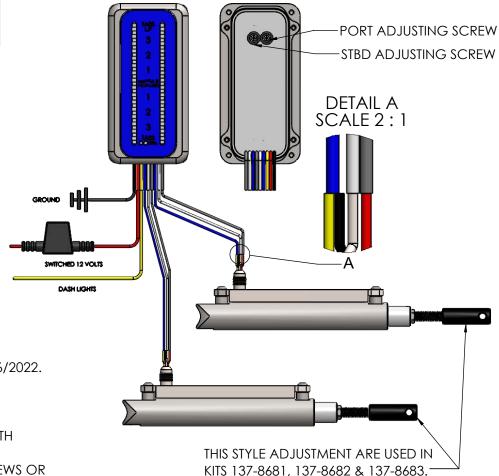
OPTIONAL 137-8684 HARNESS KIT COMES WITH:

- (2) 30' SENDER HARNESS (GREY, BLUE AND WHITE)
- (1) 30' RED WIRE
- (1) 5AMP FUSE AND HOLDER
- (20) BUTT CONNECTORS

USED IN 137-8681, 137-8682, 137-8683, 137-8688 & 137-8737 KITS 06/2022.

ADJUSTING THE LED LIGHT RANGE:

- 1) MOVE TO DRIVE/TAB ALL THE WAY DOWN.
- 2) BOTH SENDERS MUST BE WIRED AND THE BOTTOM LIGHT ON BOTH SIDES MUST BE LIT.
- 3) DEPENDING ON THE KIT, YOU WILL EITHER ADJUST THE END SCREWS OR SLID THE ASSEMBLY TO GET THE BOTTOM LIGHT ON THE DASH TO ILLUMINTE.
- 4) MOVE THE DRIVE/TAB ALL THE WAY UP.
- 5) USING 1/16 ALLEN KEY, REMOVE THE BACK COVER.
- 6) USING A SMALL FLAT SCREWDRIVER, CAREFULLY TURN THE ADJUSTMENT ON THE BACK OFF THE LED PANEL ALL THE WAY COUNTER CLOCKWISE. SOME OF THE TOP LED'S SHOULD TURN OFF.
- 7) SLOWLY TURN THE ADJUSTING SCREW CLOCKWISE UNTIL THE THE TOP LED LIGHT BEGINS TO ILLUMINATE. PANEL IS NOW ADJUSTED FOR FULL RANGE. NOW ADJUST THE OTHER SIDE. CYCLE UP AND DOWN A FEW TIMES TO MAKE SURE LIGHTS ARE ADJUSTED PROPERLY.
- 8) REINSTALL REAR COVER.
- 9) 2 SLOT SHOWN. SAME INSTRUCTIONS FOR 4 AND 6 SLOT PANELS.



WARNING:

ATTACHING POWER TO ANY OTHER WIRE THAN THE RED OR GREY WIRE WILL PERMENANTLY DAMAGE THE SENDER AND DASH PANEL.

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HARDIN MARINE

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

PART NO.

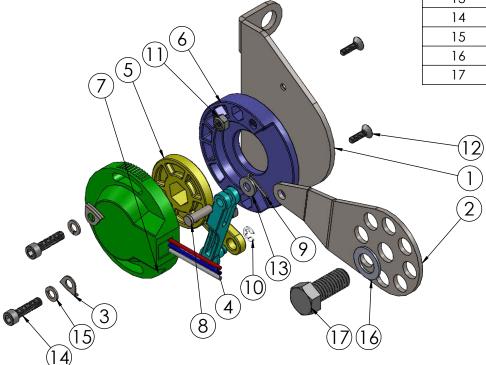
137-8687

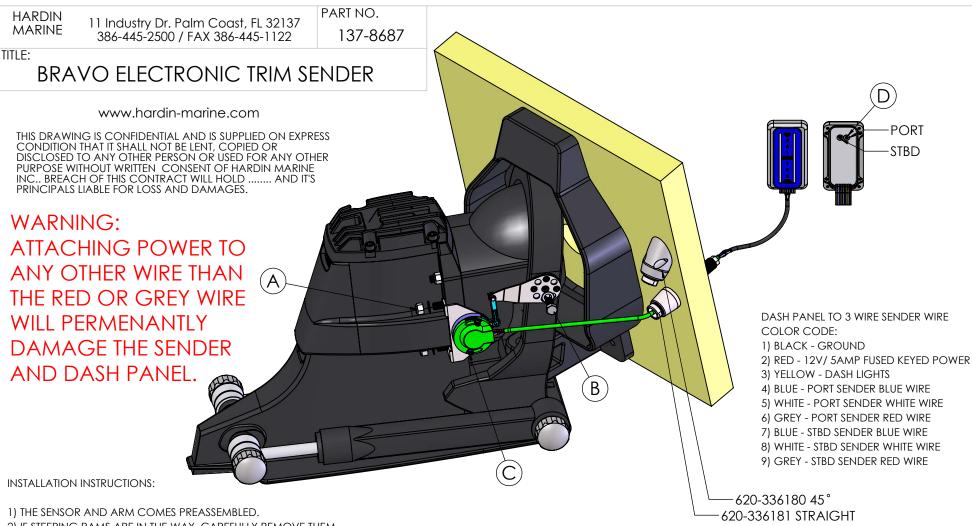
TITLE:

BRAVO GIMBAL MOUNT TRIM INDICATOR

www.hardin-marine.com







- 2) IF STEERING RAMS ARE IN THE WAY, CAREFULLY REMOVE THEM.
- 3) REMOVE EXISTING NUTS, FIG. A. SLIDE BRACKET ASSEMBLY OVER STUDS. USING 5/8 SOCKET REINSTALL NUTS AND TORQUE TO 45 FT LBS..
- 4) LOWER OUTDRIVE TO THE LOWEST POSITION. INSTALL THE BRACKET TO THE PIVOT PIN, FIG. B, USING 5/8 SOCKET, SNUG BRACKET.
- 5) RAISE AND LOWER DRIVE TO PROPERLY POSTION THE PIVOT PIN BRACKET. YOU WANT TO MAKE SURE THE SENSOR ARM DOES NOT STOP WHILE THE DRIVE CONTINUES TO MOVE. MOVE SIDE TO SIDE TO MAKE SURE NO BIND IN THE BRACKET.
- 6) YOU CAN RUN THE SENSOR WIRE TO THE STOCK MERCURY INLET INSIDE THE GIMBAL HOUSING OR ONE OF THE SHOWN THRU HULLS, SOLD SEPARETELY.
- 7) WIRE THE TRIM SENDER TO THE DASH PANEL. SEE WIRE INFORMATION ABOVE. IF SINGLE DRIVE .CONNECT BOTH SIDES OF THE DASH PANEL TO THE SINGLE SENDER.
- 8) LOWER THE DRIVE ALL THE WAY DOWN, USING 5/32 ALLEN KEY, LOOSEN SENDER BOLTS, FIG. C. ROTATE THE SENDER COUNTER CLOCKWISE UNTIL JUST THE BOTTOM LIGHT ON THE DASH PANEL IS LIT.
- 9) RAISE OUTDRIVE.
- 10) USING 1/16 ALLEN KEY REMOVE THE BACK COVER. USING A SMALL FLAT BLADE SCREWDRIVER, CAREFULLY ROTATE THE SCREWS COUNTER CLOCKWISE FIG. D. SOME LIGHTS WILL TURN OFF. NOW TURN THE SCREW CLOCKWISE TILL THE TOP LIGHT BECOMES ILLUMINATED.
- 11) CYCLE DRIVE UP AND DOWN TO MAKE SURE DASH PANEL IS ILLUMINATED THE FULL TRAVEL. NOW DO TO THE OTHER SIDE. ONCE DONE, REINSTALL REAR COVER AND INSTALL DASH PANEL.
- 12) REINSTALL STEERING RAMS. WIRE TIE THE TRIM SENDER TO THE TRIM RAM. MAKE SURE YOU ROTATE THE DRIVE LEFT AND RIGHT AND THE WIRES ARE NOT BINDING OR PULLING THE WIRES.

HARDIN MARINE

11 Industry Dr. Palm Coast, FL 32137 386-445-2500 / FAX 386-445-1122 PART NO.

137-8684

TITLE:

3 WIRE SENDER WIRING

www.hardin-marine.com

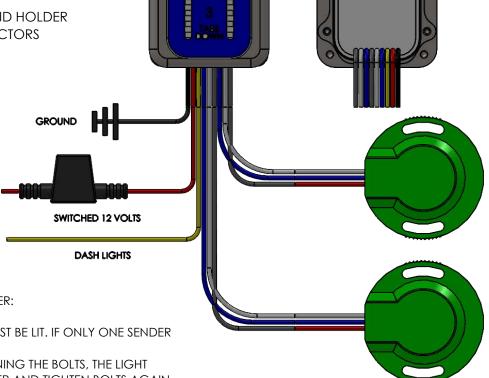
DASH PANEL TO 3 WIRE SENDER WIRE COLOR CODE:

- 1) BLACK GROUND
- 2) RED 12V/ 5AMP FUSED KEYED POWER
- 3) YELLOW DASH LIGHTS
- 4) BLUE PORT SENDER BLUE WIRE (GROUND)
- 5) WHITE PORT SENDER WHITE WIRE (SEND)
- 6) GREY PORT SENDER RED WIRE (POWER)
- 7) BLUE STBD SENDER BLUE WIRE (GROUND)
- 8) WHITE STBD SENDER WHITE WIRE (SEND)
- 9) GREY STBD SENDER RED WIRE (POWER)

137-8684 HARNESS KIT COMES WITH:

(2) 30' SENDER HARNESS (GREY, BLUE AND WHITE)

- (1) 30' RED WIRE
- (1) 5AMP FUSE AND HOLDER
- (20) BUTT CONNECTORS



WARNING:

ATTACHING POWER TO ANY OTHER WIRE THAN THE RED OR GREY WIRE WILL PERMENANTLY DAMAGE THE SENDER AND DASH PANEL.

USED IN 137-8144, 137-8687, 137-8689, 137-8690 & 137-8729 ACTUATOR KITS

ADJUSTING THE LED LIGHT RANGE FOR MERCURY SMARTCRAFT/3 WIRE SENDER:

- 1) MOVE THE DRIVE/TAB ALL THE WAY DOWN.
- 2) BOTH SENDERS MUST BE WIRED AND THE BOTTOM LIGHT ON BOTH SIDES MUST BE LIT. IF ONLY ONE SENDER IS BEING USED, WIRE BOTH SIDES OF THE DASH PANEL TO THE SINGLE SENDER.
- 3) ADJUST THE MERCURY SENDER SO THE BOTTOM LIGHT IS ON. WHEN TIGHTENING THE BOLTS, THE LIGHT MIGHT TURN OFF OR SHOW TWO LIGHTS. IF SO, LOOSEN BOLTS, ADJUST SENDER AND TIGHTEN BOLTS AGAIN. SENDER IS VERY SENSITIVE TO MOVEMENT.
- 4) MOVE THE DRIVE/TAB ALL THE WAY UP.
- 5) USING 1/16 ALLEN KEY, REMOVE THE BACK COVER.
- 6) USING A SMALL FLAT SCREWDRIVER, CAREFULLY TURN THE ADJUSTMENT SCREW ON THE BACK OFF THE LED PANEL ALL THE WAY COUNTERCLOCKWISE. SOME OF THE TOP LED'S SHOULD TURN OFF.
- 7) SLOWLY TURN THE ADJUSTING SCREW CLOCKWISE UNTIL THE TOP LED LIGHT BEGINS TO ILLUMINATE. PANEL IS NOW ADJUSTED FOR FULL RANGE. NOW ADJUST THE OTHER SIDE. CYCLE UP AND DOWN A FEW TIMES TO MAKE SURE LIGHTS ARE ADJUSTED PROPERLY.
- 8) REINSTALL REAR COVER.
- 9) 2 SLOT SHOWN. SAME INSTRUCTIONS FOR 4 AND 6 SLOT PANELS.

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PORT

-STBD

863187A 1/2 SMARTCRAFT TRIM POSITION SENSOR

IMPORTANT: This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product.

	NOTICE	
After completing installation, place these instruct	tions with the product for the owner's future use.	

Models Covered

Model	Serial Number or Year	
Gasoline engines	All DTS engines	
Casoline engines	All 496 cid engines	
Diesel engines	All QSD engines	

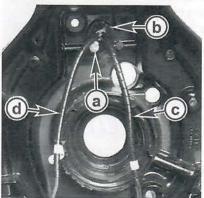
Components Contained in Kit

Qty.	Description	Part Number
1	Trim position sensor	863187A1
1	TPA, 3-wire (retaining clip)	831957
1	Terminal connector block	830797 3

Replacing the SmartCraft Trim Position Sensor

Removal

- 1. Place the sterndrive in the full-in position.
- 2. Place the sterndrive in a full starboard turn.
- 3. Disconnect the trim position sensor wiring from the transom harness connector.
- 4. Remove and retain the clamp plate and hardware.

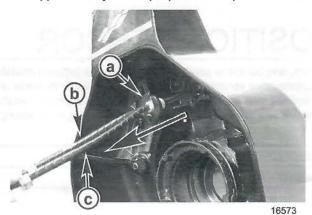


16572

Shown disassembled for clarity

- a Screw
- b Clamp plate
- c Trim limit sender harness (starboard)
- d Trim position sensor harness (port)

5. Pull approximately 30 cm (1 ft) of the trim position sensor harness out of the gimbal housing.

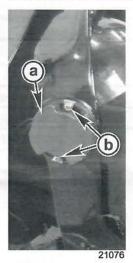


Shown disassembled for clarity

- a Clamp plate
- b Trim position sensor harness (port)
- c Trim limit switch harness (starboard)

IMPORTANT: Retain all the parts if the repair or replacement is done under warranty. Return both the sensor and harness for warranty credit.

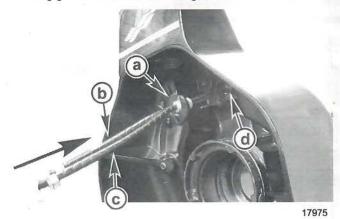
- 6. Cut the trim position sensor harness just forward of the tapered plug. Do not remove the harness from the gimbal housing.
- 7. Remove and discard the trim position sensor and harness. Retain the screw, washer, and retainer.



- a Trim position sensor
- b Screw, washer, and retainer

Installation

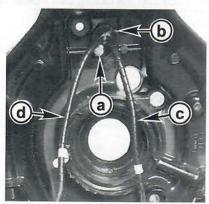
- 1. Tape the connector end of the new sensor harness to the cut end of the old harness.
- 2. Pull the new harness through the gimbal housing using the old harness.
- 3. Remove and discard the old harness from the new harness.
- 4. Position the two grommet halves attached to the sensor wires with the seam vertically aligned and seat them in the gimbal housing grommet hole. Maintain light tension on the wires from inside the boat to hold the grommets in place.



Shown disassembled for clarity

- a Clamp plate
- b Trim position sensor harness(port)
- c Trim sender harness (starboard)
- d Grommet hole of the gimbal housing

Ensure that the trim position sensor wiring is positioned to the port side and that the trim position sender wiring is positioned to the starboard side of the gimbal housing. 6. Apply sealant to the screw threads and install the trim harness clamp plate. Tighten the screw to specification.



Shown disassembled for clarity

- a Retainer screw
- b Clamp plate
- c Trim position sensor harness (starboard)
- d Trim sender harness (port)

16572

Tube Ref No.	Description	Where Used	Part No.
19 🛈	Perfect Seal	Trim harness clamp screw	92-34227Q02

Description	Nm	lb-in.	lb-ft
Trim harness clamp screw	11	95	-

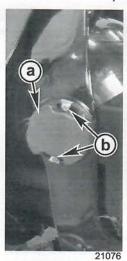
- 7. Install the trim position sensor as follows:
 - a. Place the sterndrive in the full in position.
 - b. Place the sterndrive in a full starboard turn.
 - c. Align the index mark on the sensor body with the index mark on the rotor.



- a Index on sensor
- b Index on rotor

43379

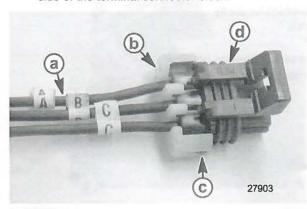
d. Install the trim position sensor and secure with the screw, washer, and retainer.



- a Trim position sensor
- b Screw, washer, and retainer

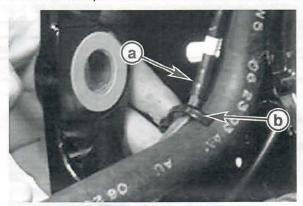
- 8. Install the harness terminal leads into the harness terminal connector block of the trim position sensor as follows:
 - a. Insert the terminal lead "A" into the terminal marked "A" on the terminal connector. Push the terminal lead into the terminal block until the terminal lead clicks into place and cannot be pulled out.
 - b. Repeat step "a" for terminals "B" and "C" and ensure that all 3 terminals are securely locked.
 - c. Place the terminal lead retaining clip over the leads at the rear of the terminal connector block.

d. Push the retaining clip onto the terminal connector block until it snaps into place over the locking tabs located on either side of the terminal connector block.



- a Trim position sensor harness leads
- b Retaining clip
- c Locking tab
- d Terminal connector block

- 9. Connect the trim position sensor connector to the transom harness connector.
- 10. Secure the trim position sensor harness to the water hose with the plastic retaining clip.



Shown disassembled for clarity

- a Trim position sensor harness
- b Retaining clip

Adjusting the Trim Position Sensor on Gasoline Engines

Adjusting the Trim Position Sensor on DTS Engines

- 1. Before connecting the CDS, turn the ignition key to the "ON" position.
- 2. Since no limits have been set yet, position an observer at the rear of the boat to make sure the sterndrive will not make contact with the swim platform or ground during this test.
- 3. Trim drive fully up and down as far as mechanically possible without allowing the drive to contact any obstacles or until the drive reaches the mechanical limits of travel one complete cycle. Do not make contact with the swim platform while trailering up, and do not make contact with the ground trimming in.
- Once the cycle is complete, key off and move the control lever to reverse wide open throttle for 10 seconds to completely power down the PCM.
- 5. Connect the CDS to the engine diagnostic connector.
- 6. Turn the ignition key to the "ON" position.
- Select the appropriate engine set-up on the CDS.
- 8. Select "Tool Box" and go to the "Data List" screen.

9. Select Trim Position —% and Trim Position—Counts.



- a Tool Box button
- b Data List tab
- c Trim Position in Percent
- d Trim Position in Counts

43222

- 10. Trim the drive to the full down position and continue to run the pump for 3 more seconds.
- 11. Note the number in the trim position counts display. The counts should be between 130 and 150. If the counts are out of this range, loosen the screws and adjust the sensor until counts are within this range. Tighten screws.

Diagnostic Display	Counts	
Trim position (TRIM POS) counts in full down position		

Setting Trailer Limit on DTS Engines

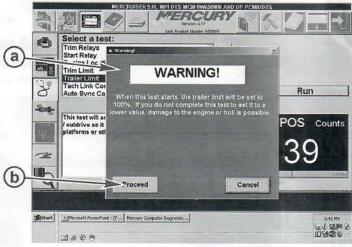
IMPORTANT: Incorrectly configuring the trim limit using the CDS can create a programming error in the engine's PCM. Always set the trailer limit before setting the trim limit. If you configure the trailer limit incorrectly, contact the Mercury Marine Technical Service Department for further instructions.

Trailer limit settings establish the maximum trailer up position of the sterndrive to prevent sterndrive to boat contact or damage.

Setting Trailer Limit

IMPORTANT: Set the trailer limit before the trim limit.

 Go to the "Active Diagnostics" screen and select "Trailer Limit." When you click "Run" a red window will appear. Select "Proceed."

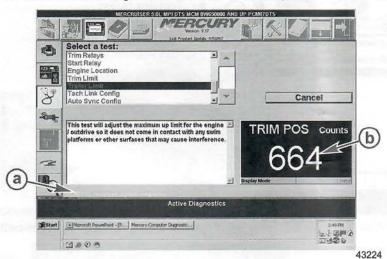


- a Red box
- b Proceed button

43223

- 2. A blue screen will appear. Follow the instructions and trim the drive fully in, operating the pump for 3 seconds after the mechanical limit has been reached. Click "OK" to continue.
- 3. Trim the drive to full up trailer position, ensuring there is clearance between the drive and the swim platform. The trailer position at the top may not read the full 100% on the CDS due to the celery stick position. Click "OK" to continue.
- 4. A blue screen will appear. Follow the instructions on the screen. Turn the ignition key to the "OFF" position and move the remote lever to the reverse, wide open throttle position for 10 seconds to store the new values in the ECM. Click OK to continue.

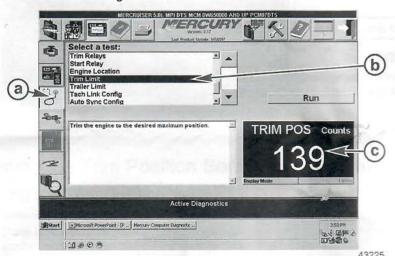
Turn the keyswitch to the "ON" position to confirm that the new settings have been stored in the ECM. The text at the bottom of the screen will change from red to blue when complete.



- a Writing changed from red to blue
- b Trim counts

Setting Trim Limit

1. Go to the "Active Diagnostics" screen and select "Trim Limit."



- a Active Diagnostics button
- b Trim Limit

a - Blue box

b - OK button

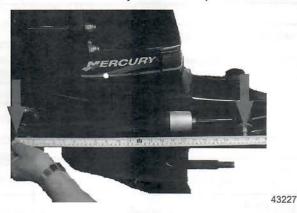
Trim position counts

A blue screen will appear. Follow the instructions on the screen and trim the drive in fully. Continue to operate the pump for 3 seconds after reaching the mechanical limit. Click "OK" to continue.



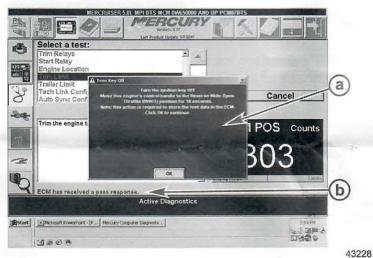
43226

3. Trim the drive out until the distance between the trim cylinder anchor pin centers is 55.3 cm (21 3/4 in.) or less.



Anchor pins

- 4. Once the measurement is confirmed, follow the instructions in the blue window. Turn the ignition key to the "OFF" position and move the remote lever to the reverse, wide open throttle position for 10 seconds to store the new values in the ECM.
- 5. Confirm that the new settings have been stored in the ECM. The text at the bottom of the screen will change from red to blue when complete.

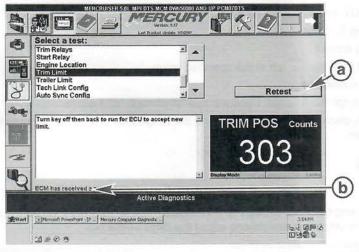


a - Blue box

b - Text changed from red to blue

Trim Limit Set Failure

 If the settings are not stored in the ECM, or the count difference is greater than 180, the pass response stays red and indicates a failure.



- a Reset button
- Red wording indicating failure

43229

- 2. Move the drive to full out trim limit and record counts from the TRIM POS window in table below.
- 3. Subtract the initial counts recorded during Setting Trailer Limit of this procedure.

Example

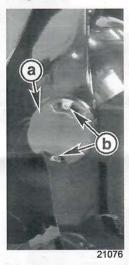
Diagnostic Display	Counts
Counts at trailer limit (full up), anchor pin centers at 55.3 cm (21 3/4 in.) or less	303 counts (From Setting Trim Limit, step 5)
Minus counts at trim limit (full down) 139 counts (From Setting Trailer	
Difference. (Should be less than or equal to 180)	164 counts (Less than 180 counts—Pass)

Calculation

Diagnostic Display	Counts
Counts at trailer limit (full up), anchor pin centers at 55.3 cm (21 3/4 in.) or less	
Minus counts at trim limit (full down)	
Difference (Should be less than or equal to 180)	

4. The difference should be 180 counts or less. If greater than 180, reset trim limit. Verify that the drive extension at trim limit is at or less than 55.3 cm (21 3/4 in.) between anchor pins centers.

Adjusting the Trim Position Sensor on Non-DTS Engines



- a Trim position sensor
- b Retaining screws

- 1. Trim the sterndrive unit to the full in trim limit position, 55.3 cm (21 3/4 in.) or less.
- 2. Remove the weather cap from the Diagnostic Link connector and connect the DDT Scan Tool.
- 3. Turn ignition key switch to the RUN position.
- 4. Set the scan tool to display TRIM POS counts and note the value displayed.
- 5. TRIM POS counts must be 89 counts on the DDT, or 356 counts on the CDS.
- If TRIM POS counts are correct, proceed to step 7. Otherwise:
 - Loosen both trim position sensor retaining screws.
 - b. Rotate the trim position sensor until TRIM POS counts are at the specified value.
 - c. Tighten the trim position sensor retaining screws.
 - d. Verify TRIM POS counts are still within the specified range. Repeat steps "a" through "c" if necessary.
- 7. Turn the ignition key switch to the OFF position, disconnect the scan tool from the Diagnostic Link connector, and install the weather cap in the Diagnostic Link connector.

Trim Calibration—Diesel Engines

Checking Trim and Trailer Limits

Test the operation of the trim position sender by moving the drive through its full range of motion, using caution as it reaches the upper and lower limits. If the limits are outside the original specifications adjust the limits as follows.

Setting Trim Limit with CDS

The trim limit configures the system integration module (SIM) to control the maximum up trim limit. The trim limit function is only supported if the SIM has input for the three wire trim sensor.

SMARTCRAFT TRIM POSITION SENSOR

NOTE: The trim position sender will automatically be adjusted by setting the trim and trailer limits

- Connect the CDS to the SmartCraft junction box located at the vessel helm.
- 2. Turn the ignition key to the "RUN" position.
- 3. Select "Make" Cummins MerCruiser Diesel.
- Select the appropriate System Integration Module (SIM) model in the CDS engine select screen.
- 5. Open the Tool Box icon in the CDS.
- Open the Active Diagnostics icon.
- 7. Scroll down the Active Diagnostics window and highlight "Trim Limit."
- 8. Follow the CDS on screen instructions and run the test.

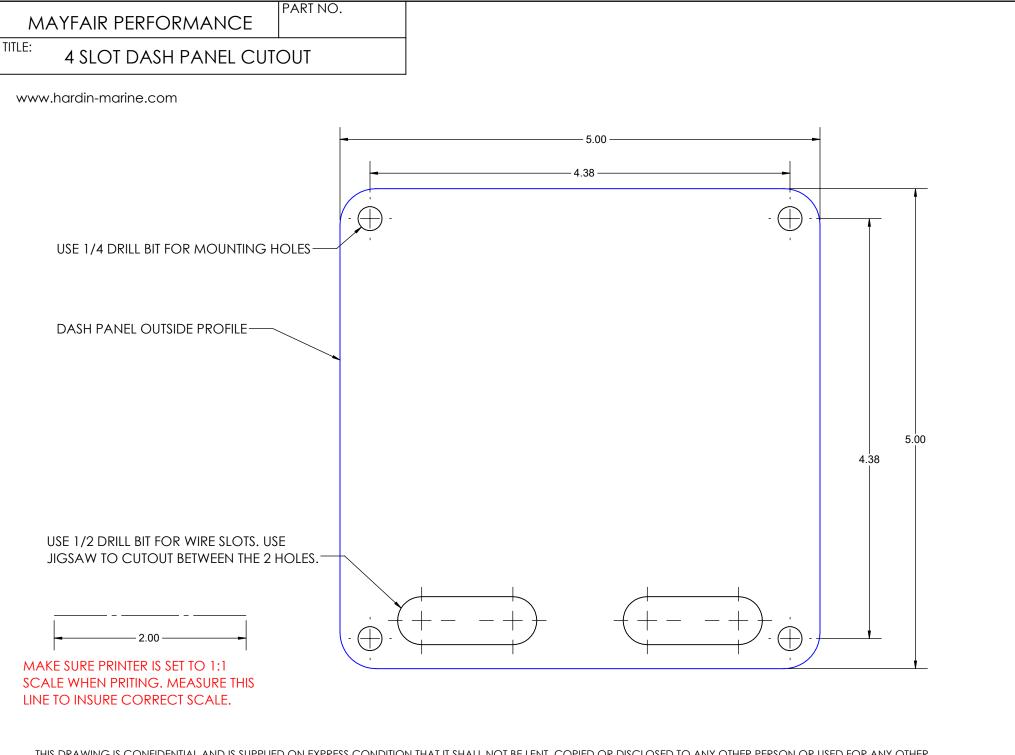
Setting Trailer Limit with CDS

The trailer limit function is designed to limit the maximum trailer up position, preventing damage to swim platforms or other equipment.

NOTE: The trim position sender will automatically be adjusted by setting the trim and trailer limits

- Connect the CDS to the SmartCraft junction box located at the vessel helm.
- 2. Turn the ignition key to the "ON" position.
- 3. Select "Make" Cummins MerCruiser Diesel.
- 4. Select the appropriate System Integration Module (SIM) model in the CDS engine select screen.
- Select the correct engine location.
- 6. Open the Tool Box icon in the CDS.
- 7. Open the Active Diagnostics icon.
- 8. Scroll down the Active Diagnostics window and highlight "Trailer Limit."
- 9. Follow the CDS on screen instructions and run the test.

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