

KEY SWITCH FOR DIGITAL THROTTLE AND SHIFT ENGINES

NOTICE

After completing installation, these instructions should be placed with the product for the owner's future use.

NOTICE

This document is written to aid our dealers and company service personnel in the proper installation or service of our products. Persons who are not familiar with these or similar products produced by Mercury Marine, and who have not been trained in the recommended servicing or installation procedures should 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 the installer or persons operating the product.

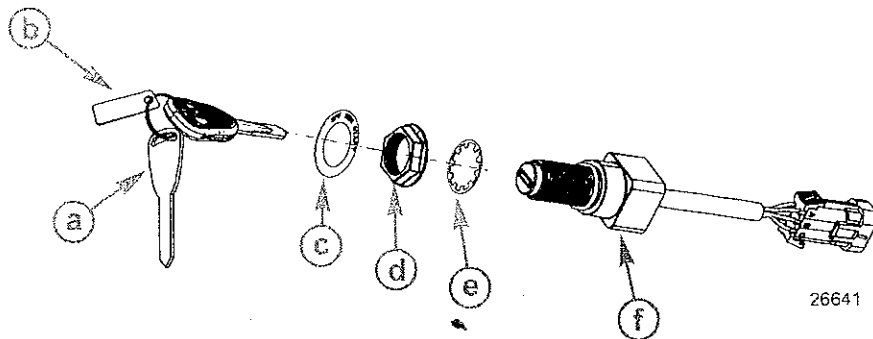
Notice

This Product Requires Electronic Calibration Before Use.

Installation of this product will require electronic calibration. This calibration must not be attempted by anyone other than the Original Equipment Manufacturer (OEM) or a Mercury technician trained in Digital Throttle and Shift systems (DTS) at an authorized Mercury dealership. Improper installation and calibration of the DTS product will result in a system which is inoperable or unsafe for use.

Components Contained in Kit

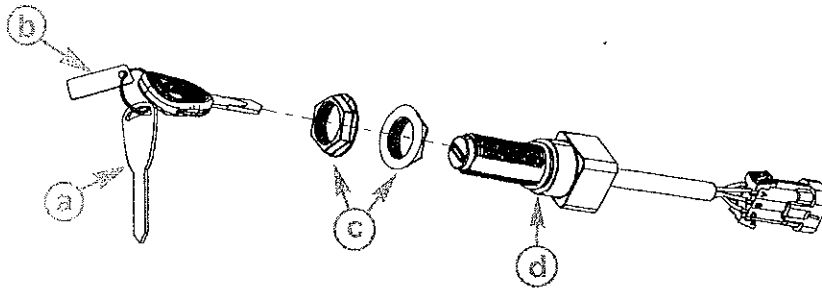
3 Position Key Switch



Ref.	Qty.	Description
a	2	Key
b	1	Key ID Tag
c	1	Decal
d	1	Nut
e	1	Washer
f	1	Key switch assembly.

NOTE: A tag with coded info that identifies your key is included with your set of keys. Remove and store the tag in a safe place in case the key is lost.

4 Position Key Switch - Without Bezel

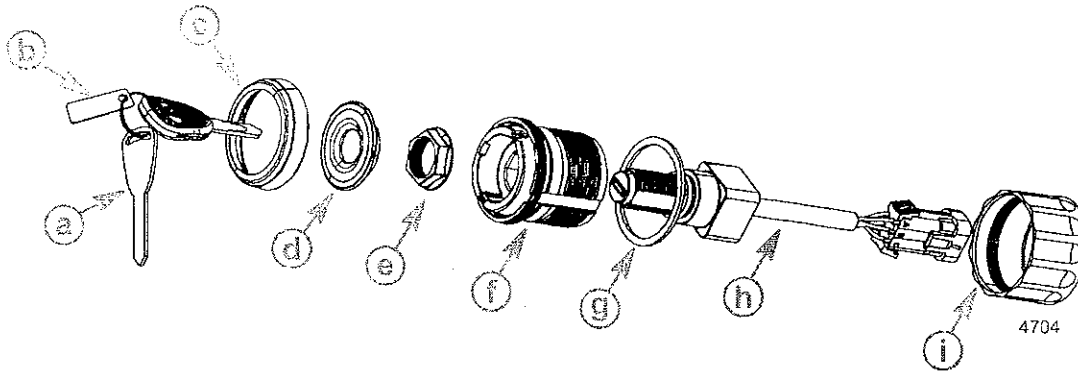


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Ref.	Qty.	Description
a	2	Key
b	1	Key ID Tag
c	2	Nut
d	1	Key switch assembly

NOTE: A tag with coded info that identifies your key is included with your set of keys. Remove and store the tag in a safe place in case the key is lost.

4 Position Key Switch - With Bezel



Ref.	Qty.	Description
a	2	Key
b	1	Key ID Tag
c	1	Bezel
d	1	Cover
e	1	Nut
f	1	Key switch housing
g	1	Washer
h	1	Key switch assembly
i	1	Bezel retaining nut

NOTE: A tag with coded info that identifies your key is included with your set of keys. Remove and store the tag in a safe place in case the key is lost.

Preparation

WARNING

Avoid product damage, injury, or death from electrical shock, fire or explosion. Always disconnect both battery cables from the battery before servicing the power package.

1. Disconnect both battery cables.

CAUTION

Avoid injury or product damage. Obstructions, such as braces and wiring, may be unseen when looking at the front of the dashboard. Before drilling or cutting any holes in the dashboard, check the area behind the dashboard for obstructions. Do not drill or cut when obstructions are present.

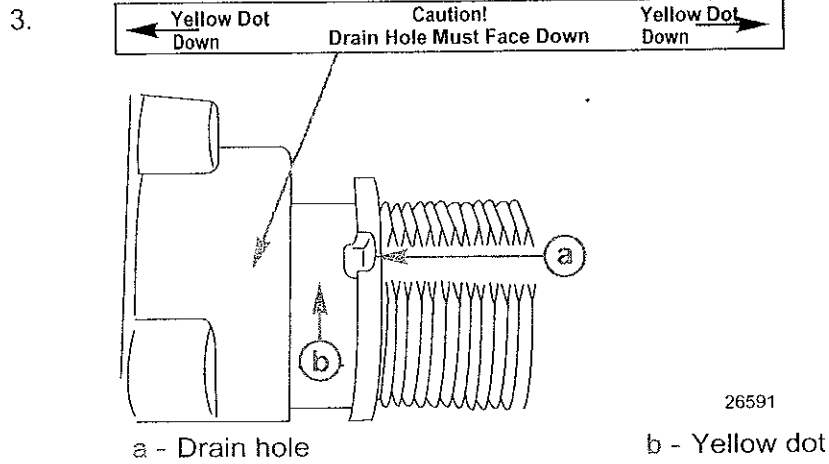
IMPORTANT: To ensure that water does not collect at the key switch and drains from the housing, install the key switch a minimum of 10 degrees from vertical.

2. Select a location for the key switch on the dashboard:
 - without obstructions behind the dashboard
 - within harness length limits
 - that will orient the switch a minimum of 10 degrees from a vertical or upright position
 - that will position the switch with enough clearance between the components to install bezels, if equipped
3. If the dashboard is fiberglass, apply masking tape to the area that is to be drilled or cut to help prevent the dashboard from cracking.
4. If the dashboard is vinyl covered, remove the vinyl from the area to be drilled or cut to keep the vinyl from tearing.

3 Position Key Switch Mounting

1. Cut a 19 mm (3/4 in.) hole to mount the key switch assembly.
2. Install the washer over the key switch threads. Install the key switch assembly with washer through the backside of the dashboard hole. Following the instructions on the decal, ensure the drain hole with the yellow dot points down for proper draining after installation.

IMPORTANT: There are two notches in the key switch assembly. The notch with white plastic showing and the yellow dot next to it is a drain hole. To properly drain the key switch, this notch must point down when installed.



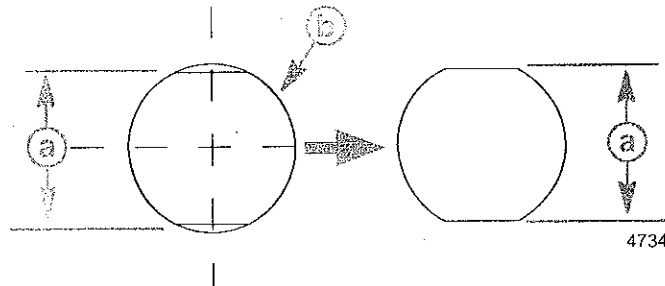
4. Install the key switch nut and tighten to the specified torque.

Description	Nm	lb. in.	lb. ft.
Key switch nut	2.2	20	

5. Connect the key switch electrical connector to the command module harness.

4 Position Key Switch Mounting - Without Bezel

1. Cut a 22.5 mm (7/8 in.) oblong shaped hole that matches the key switch assembly threaded end with the opposing top and bottom flat surfaces. The shape of the hole will keep the assembly from rotating during use.

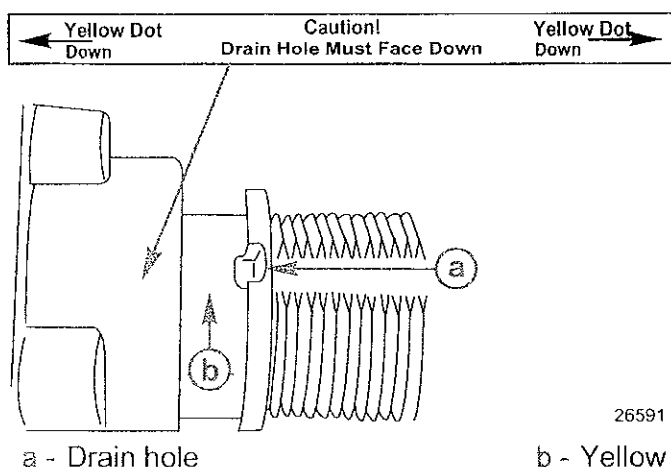


a - Distance between the flat surfaces - 20 mm (25/32 in.)
 b - Diameter of the hole - 22.5 mm (7/8 in.)

2. Install one nut onto the key switch assembly with the flat flange of the nut toward the key end of the switch. Thread this nut on as needed until the key switch will extend through the dashboard with enough threads exposed for the second nut to be installed.

IMPORTANT: There are two notches in the key switch assembly. The notch with white plastic showing and the yellow dot next to it is a drain hole. To properly drain the key switch, this notch must point down when installed.

3. Install the key switch assembly into the dashboard oblong hole. Following the instructions on the decal, ensure the drain hole with the yellow dot points down for proper draining after installation.



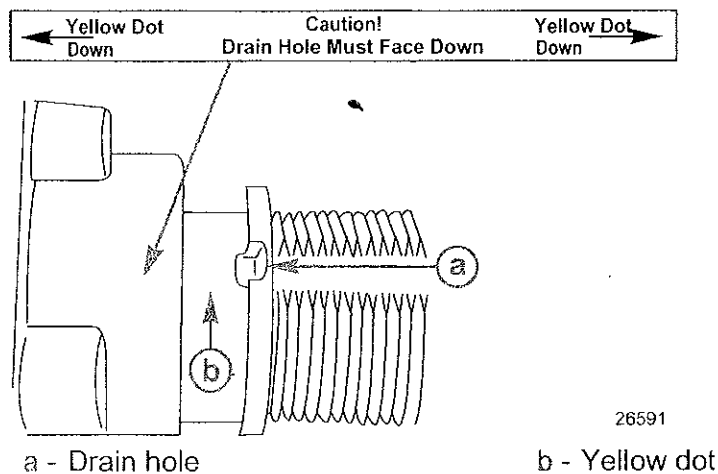
4. Install the second key switch nut and tighten to the specified torque.

Description	Nm	lb. in.	lb. ft.
Key switch nut	2.2	20	

5. Connect the key switch electrical connector to the command module harness.

4 Position Key Switch Mounting - With Bezel

1. Cut or drill a 54 mm (2-1/8 in.) diameter hole through the dashboard at the selected location.
2. Install the key switch housing assembly onto the key switch assembly.
3. Align the upper notch of the key switch assembly and housing. Following the instructions on the decal, ensure the drain hole with the yellow dot points down for proper draining after installation.

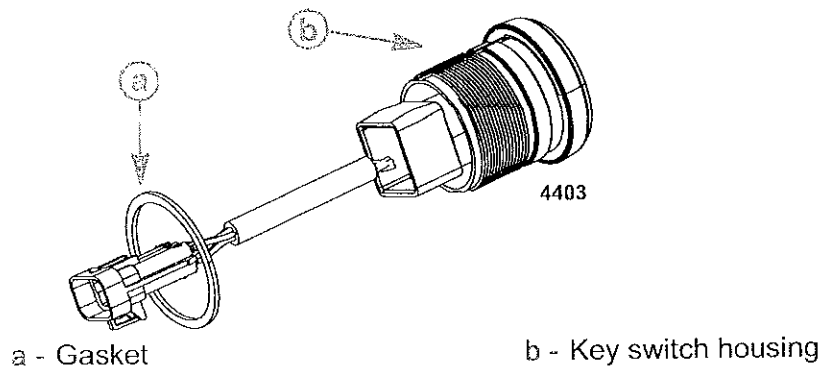


4. Install the key switch nut and tighten to the specified torque.

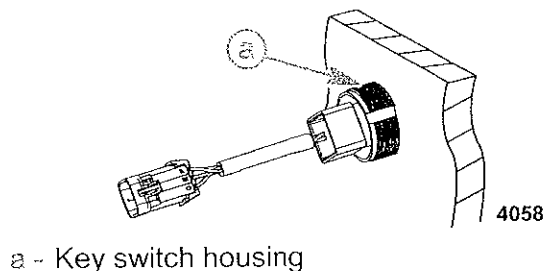
Description	Nm	lb. in.	lb. ft.
Key switch nut	2.2	20	

5. Install the cover and the bezel onto the key switch housing.

6. Install the gasket onto the key switch housing.

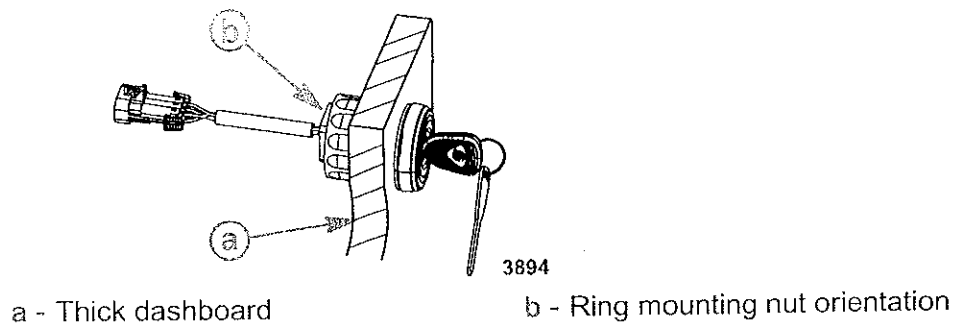
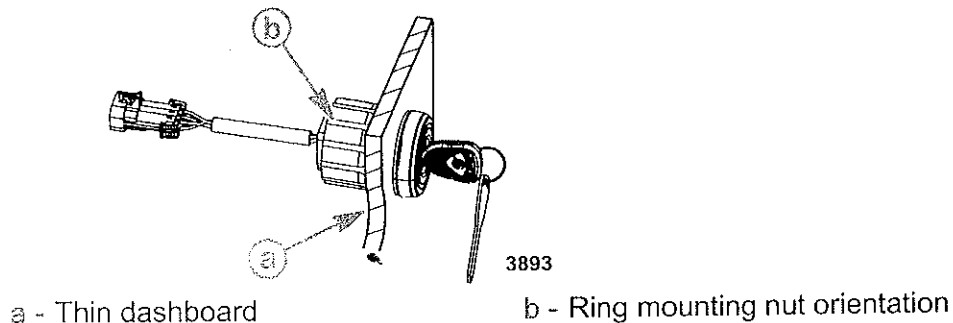


7. Insert the key switch assembly through the dash opening.



NOTE: The ring mounting nut is threaded so that it can be installed to fit a thick or thin dashboard.

8. Install the ring mounting nut, depending on dash thickness, so that the most threads are engaged when threaded onto the key switch housing.



9. Position the key switch properly in the dash.

NOTE: The ring mounting nut must be tight so the assembly will not rotate during use.

10. Tighten the ring mounting nut securely.

11. Connect the key switch electrical connector to the command module harness.

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