

# IMPORTANT

**YOUR NEW CENTERFORCE® CLUTCH ASSEMBLY AND FLYWHEEL HAVE BEEN DESIGNED TO BE USED WITH LOCATING DOWEL PINS.**

**THE ALIGNMENT DOWEL PINS ARE USED TO PROPERLY LOCATE THE PRESSURE PLATE TO THE FLYWHEEL FOR BALANCE PURPOSES AS WELL AS TO ADD PRESSURE PLATE TO FLYWHEEL SHEAR STRENGTH. THE ALIGNMENT DOWEL PINS SHOULD ALWAYS BE REPLACED IF THEY ARE DAMAGED, BROKEN OFF, OR MISSING FROM THE FLYWHEEL.**

**FAILURE TO INSTALL OR REPLACE THE DOWEL PINS AS REQUIRED MAY RESULT IN CLUTCH VIBRATION, IMPROPER CLUTCH OPERATION, AND POSSIBLE CLUTCH FAILURE WHICH MAY VOID THE WARRANTY!**



**"NOTE" Centerforce tip sheets are for general reference only. Please refer to your owners manual for vehicle specifications.**

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## 2005-10 FORD MUSTANG, GT, COBRA & SHELBY

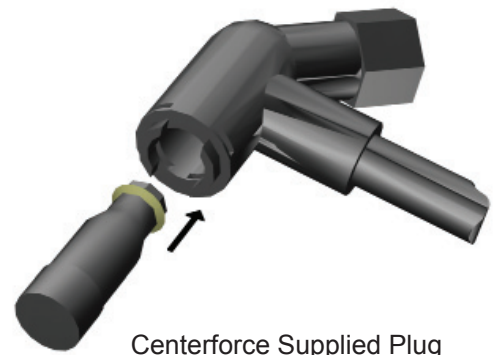
### Hydraulic Clutch System Instructions:

You will need the following before starting:

- New Ford Release Bearing and Slave Cylinder assembly.
- 12 oz. Motorcraft DOT 3, High-Performance clutch/brake fluid.
- A hand-type vacuum pump and rubber seal or plug.

### **IMPORTANT: When changing your clutch the hydraulic release system must be serviced in the following manner:**

- DO NOT depress the clutch pedal while the hydraulic clutch lines are disconnected. We recommend that you place a suitable spacer (IE; block of wood or rolled towel) under the clutch pedal to keep the pedal in its most upward position and to prevent any movement during the clutch installation process.
- Replace your hydraulic slave cylinder and release bearing as a matched set. Use only a new Original Equipment clutch release bearing and slave cylinder available from your local Ford Dealer.
- Important note: once the hydraulic line has been disconnected from the old Slave Cylinder assembly at the transmission bellhousing, the clutch line will continue to leak fluid – **have ready the enclosed black plastic plug to temporarily stop the fluid flow during the clutch installation process.**
- The 2005-09 Ford Mustang clutch fluid reservoir is shared with the brake reservoir – use only Ford Motorcraft approved DOT 3, High-Performance fluid when servicing your hydraulic clutch or brake system. The use of any other fluid may cause clutch and/or brake problems!
- Upon re-installation of your transmission, make sure all of the clutch hydraulic lines and bleed screws (when applicable) are correctly seated and tight.
- Make sure the clutch pedal is in the most upward position.
- Remove reservoir cap and fill the brake/clutch reservoir with the specified fluid to the MAX mark.
- In order to properly bleed this hydraulic system, you must use a hand-type vacuum pump available from most auto parts stores or specialty tool stores.
- Use a round rubber stopper (50mm in diameter) or suitable flat rubber cap to seal against the fluid reservoir opening – either type of seal requires a hole in the center in which the vacuum will be applied.
- Holding the vacuum cap seal in place on the reservoir, operate the vacuum pump to draw 20 inches of vacuum. Hold this vacuum for one minute then, quickly relieve the vacuum.
- Check and fill the brake/clutch reservoir with the specified fluid to the MAX mark as needed. Install the reservoir cap.
- Depress and release the clutch pedal 10 to 15 times.



**Repeat Steps 6 through 12 two additional times or until the clutch pedal effort is consistent and**

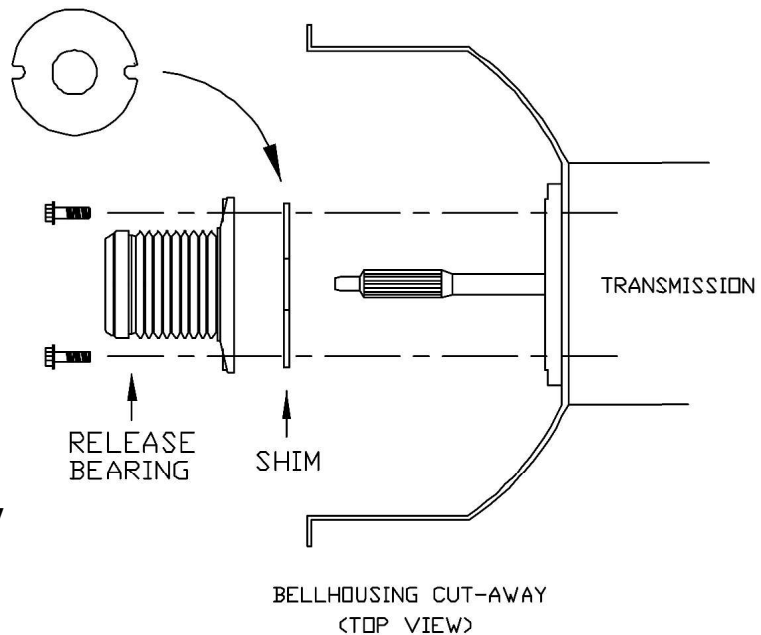
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## 2005-17 Ford Mustang 4.6L, 5.0L, 5.4L & 5.8L Hydraulic Release Bearing Shim

On 2005-17 Ford Mustang 4.6L, 5.0L, 5.4L & 5.8L applications, the enclosed Release Bearing Spacer MUST be installed between the hydraulic slave/ bearing assembly and transmission bellhousing as shown:

**Note: Your new Centerforce clutch requires only one spacer. Should your vehicle have any type of spacer, please discard and use only the included spacer from Centerforce.**



Centerforce recommends installing a new Ford Release Bearing/Slave assembly each time a new clutch is installed.

NOTE: you may re-use the Original Equipment Bearing/Slave bolts (tighten to 8 – 10 ft/lbs. 2 places) with the new Bearing/Slave assembly and Centerforce shim.

Should you have questions or require further information, please contact our Tech Line at: (928) 771-8422



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Customers requiring  
24-month SFI activation.



Thank you for purchasing clutch components certified by Centerforce to SFI Specification 1.1. Some competition sanctioning bodies require clutch components to be SFI certified every 24 months. The enclosed clutch component(s) contain the official SFI decal and corresponding serial number etched into the part. Please note that the component SFI ACTIVATION DATE is also etched near the SFI serial number. SFI 24-month certification STARTS from this SFI ACTIVATION DATE. Centerforce clutch components have an indefinite shelf life, however, due to the chain of commerce, the enclosed components may arrive to customers beyond this initial SFI ACTIVATION DATE. If you need full 24 months SFI certification to conform to competition rules, Centerforce can issue a new SFI serial number and SFI ACTIVATION DATE free of charge. To request a fresh SFI ACTIVATION DATE from Centerforce, you MUST contact Centerforce prior to installation and supply a copy of your proof of purchase. This request MUST be submitted within 30 days of purchase. If you require this service, please completely fill out the enclosed SFI activation form and return to Centerforce with a copy of your proof of purchase. Forms and receipts can be sent via Mail, Fax, or Email. If needed, SFI activation forms can also be obtained from our website: [www.centerforce.com](http://www.centerforce.com). Should you have questions or if you require further information please contact Centerforce customer service at (800) 932-5882. Information specifically about SFI certification can be found at [www.sfifoundation.com](http://www.sfifoundation.com) (Reference SFI Clutch/Flywheel Specification 1.1).

**IMPORTANT!** This activation service is ONLY applicable to new components within 30 days of purchase. Centerforce components that have been SFI certified and used in competition MAY be eligible for re-certification but ONLY after the component(s) have been returned to Centerforce for inspection. Please obtain a Return Merchandise Authorization (RMA) number for inspection and re-certifications. Fee for this service may vary.

If you are NOT competing under specific sanctioning body rules, then the SFI activation date is not relevant to your application or your vehicle use. In this case feel free to use your Centerforce product regardless of the SFI activation date.

Ph: (800) 932-5882  
Fax: (928) 771-8322  
Email: [sales@centerforce.com](mailto:sales@centerforce.com)

Centerforce Clutches  
2266 Crosswind Dr.  
Prescott, AZ 86301

Email Address: \_\_\_\_\_

Full Name: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Street Address: \_\_\_\_\_

Part #: \_\_\_\_\_

City: \_\_\_\_\_

Current SFI #: \_\_\_\_\_

State: \_\_\_\_\_

**Note:** A copy of your receipt/proof of purchase is required to obtain an updated SFI Activation Date and SFI Number.

Zip: \_\_\_\_\_

Country: \_\_\_\_\_

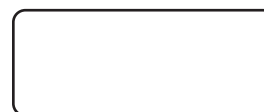
Phone: \_\_\_\_\_

Please do not write below this line, completed by Centerforce!

New SFI #: \_\_\_\_\_

Date Certified: \_\_\_\_\_

Certified By: \_\_\_\_\_



Keep this for your records once the SFI Label is affixed.