

IMPORTANT



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. 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 (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

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: _____

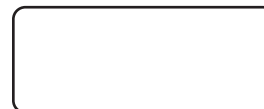
Phone: _____

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.

IMPORTANT

CHEVROLET, PONTIAC, OLDSMOBILE & BUICK V-8 ENGINES WITH MECHANICAL CLUTCH LINKAGE

To help achieve proper mechanical clutch linkage geometry, you will need to measure your flywheel deck height (distance from the flywheel crankshaft flange surface to the clutch friction surface) as shown in FIG. 1. Aftermarket flywheel variances and/or flywheel resurfacing may have reduced your flywheel deck height from the Original Equipment (O.E.) flywheel measurement of 0.960".

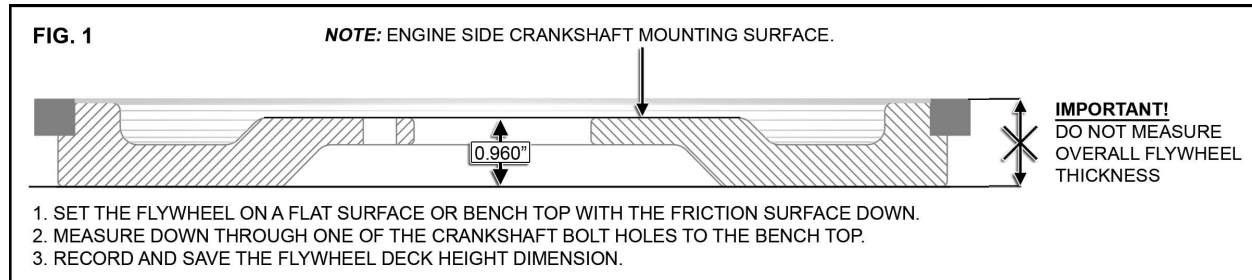


FIG 2 shows the O.E. clutch fork pivot ball height of 4.750" as measured from the engine block side of the Bellhousing plate (block saver) to the flat of the clutch fork pivot ball. If your flywheel deck height measures between 0.910" and 0.960", be sure your clutch fork pivot ball height is 4.750". If your flywheel deck height is less than 0.910" you will need to adjust the clutch fork pivot ball height to accommodate the thinner flywheel as follows:

Enter your flywheel Deck Height measurement here: _____ and SUBTRACT from 0.960" (O.E. standard flywheel deck height) = "Pivot ball adjustment distance".

Then: SUBTRACT "Pivot ball adjustment distance" from 4.750" (O.E. standard pivot ball height) to find the correct clutch fork pivot ball height.

EXAMPLE: a flywheel deck height of 0.850" SUBTRACT from 0.960" = 0.110"

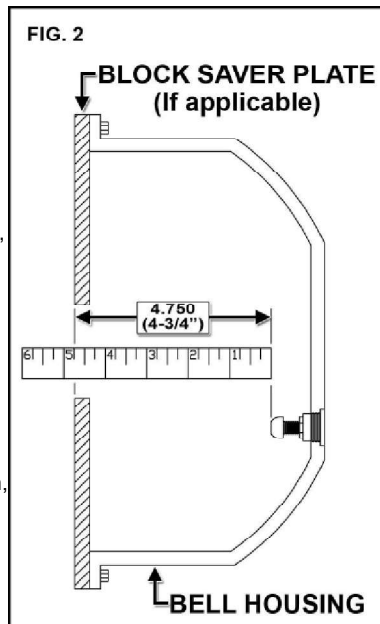
Use an aftermarket adjustable pivot ball to move the clutch fork pivot ball 0.110" CLOSER to the engine:

0.110" SUBTRACT from 4.750" = 4.640" (adjust the clutch fork pivot ball height to 4.640" in this example.)

These dimensions are for mechanical clutch release systems using Centerforce P/N: N1716 release (O.E. type) bearing. For use with other release bearings and/or if you have questions, please contact our Technical Department at: (928) 771-8422.

Notes:

- 1) If your flywheel deck height thickness is significantly below the O.E. specification, the clutch disc springs may contact the flywheel crankshaft bolts resulting in improper or failed clutch operation.
- 2) Centerforce DOES NOT recommend any shims/spacers or aftermarket balance plates to be used between the crankshaft and the flywheel.



PIVOT BALL REFERENCE INFORMATION

NON ADJUSTABLE

GENERAL MOTORS

P/N 3790556 LONG 1.680"

P/N 3729000 SHORT 1.380"

ADJUSTABLE PIVOT BALLS

LAKEWOOD P/N: 15501

MR GASKET P/N: 3855

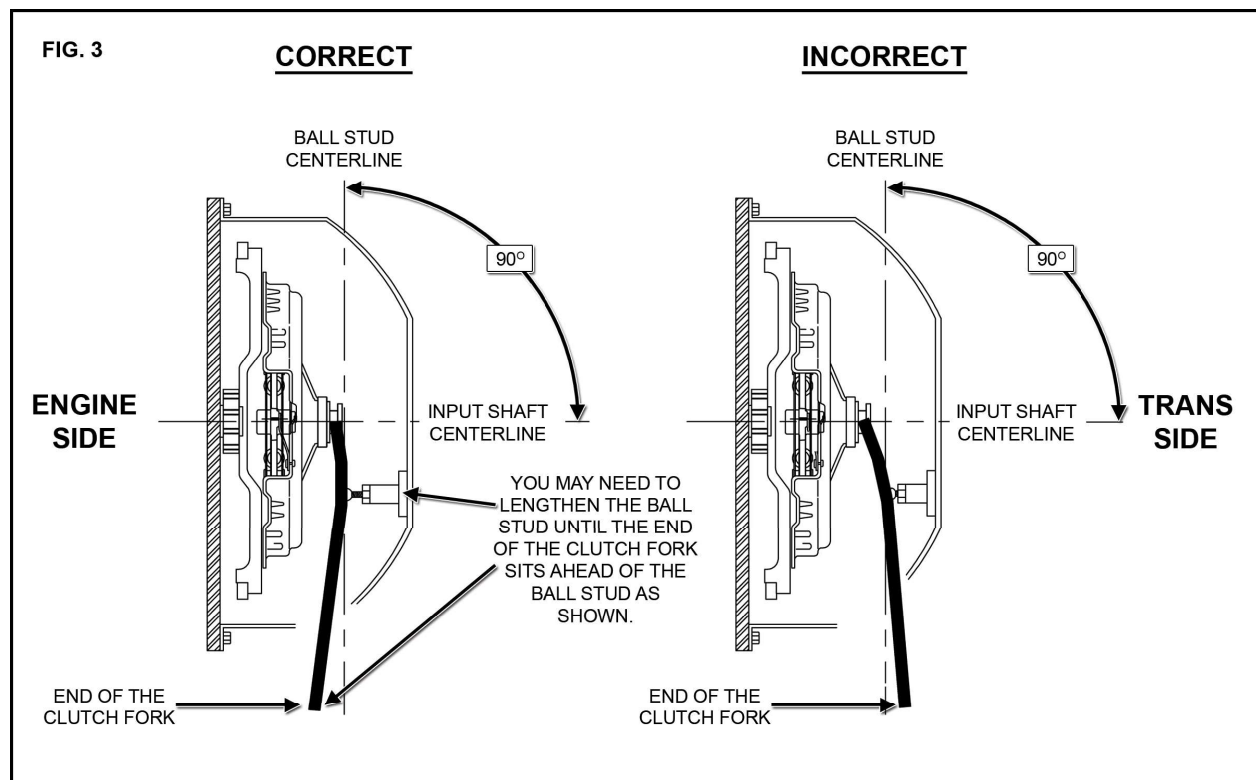
McLEOD P/N: 16908

CONTINUED ON THE BACK SIDE

IMPORTANT

MECHANICAL CLUTCH LINKAGE GEOMETRY FINAL CHECK

Once the clutch assembly, release bearing, clutch fork and Bellhousing are bolted in place you can visually ensure the clutch fork ball stud is adjusted properly. Do not connect the remainder of the clutch linkage at this point. Move the clutch fork by hand until the release bearing contacts the clutch fingers. The outer end of the clutch fork should point towards the engine, ahead of the ball stud centerline as shown in FIG 3. If the outer end of the clutch fork is behind the ball stud centerline (pointing towards the transmission), your clutch linkage geometry is incorrect. Please re-visit the clutch fork pivot ball adjustment instructions or call the Centerforce Tech line at (928) 771-8422 for further assistance. Once the geometry is correct, connect the remainder of the clutch linkage and then adjust to where the clutch engagement point is approximately half-way up the pedal travel. Small adjustments can be made to suit individual driving preferences. Lastly, fully retract the release bearing away from the clutch fingers and visually check to ensure that you have at least 1/4" clutch wear allowance gap between the release bearing and the clutch fingers. Throughout the service life of your clutch, be sure to periodically check the wear allowance gap and adjust as needed. Caution! If the clutch engagement point is at or near the top of your clutch pedal travel – your clutch may be pre-loaded (release bearing too close or touching the clutch fingers). Continued operation with the clutch in a pre-loaded condition will void the warranty and cause poor performance as well as significant damage.



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



IMPORTANT

Please follow these instructions in regards to the installation and use of your new Centerforce DFX

Flywheels: Be sure to install your new Centerforce DFX clutch on a clean and properly resurfaced or brand new flywheel. Centerforce recommends DFX to be used in conjunction with an aftermarket Billet Steel or Billet Aluminum (with steel insert) flywheel. Nodular Cast Iron OE flywheels are also approved. Gray Cast Iron OE flywheels are NOT recommended for use with Centerforce DFX (If you are unsure of what type of cast flywheel you have please call the tech office).

Break-In: The Centerforce DFX series clutch will perform best after a minimum 100-mile break-in period. Stop and go type driving is best for this procedure. Please do not apply full engine power or excessively slip the clutch during the break-in period. This period is required to properly seat the disc with the pressure plate and flywheel friction surfaces.

Centrifugal Weight System: If your new Centerforce DFX clutch is equipped with the patented Centerforce centrifugal weight system, do not remove the ring, weights or retaining spring wire that attaches the weight system to the clutch diaphragm fingers. If your Centerforce DFX clutch does not include the centrifugal weight system, it is because there is not sufficient clearance for Centerforce to safely and effectively install the centrifugal weight system for your application. In these cases Centerforce has made other, internal modifications to improve the clutch holding capacity.

Aftermarket Hydraulic Release Bearings: When using an aftermarket hydraulic release bearing it is important to check for proper clearance between the bearing and the centrifugal weight system. Some aftermarket hydraulic bearings have an anti-rotator pin that may come into contact with the centrifugal weight system.

Due to its positive engagement characteristics, the Centerforce DFX clutch is designed primarily for competition use. However, DFX can also be used in high-powered street or dual-purpose vehicles with excellent results. Please be advised that the increased holding capacity of this clutch can contribute to clutch chatter and/or cause an audible noise during operation.

Failure to follow the above procedures will void your warranty and may result in decreased performance and/or premature wear!



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