

IMPORTANT

FORD MUSTANGS WITH CABLE CLUTCH LINKAGE

To help achieve proper cable 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”.

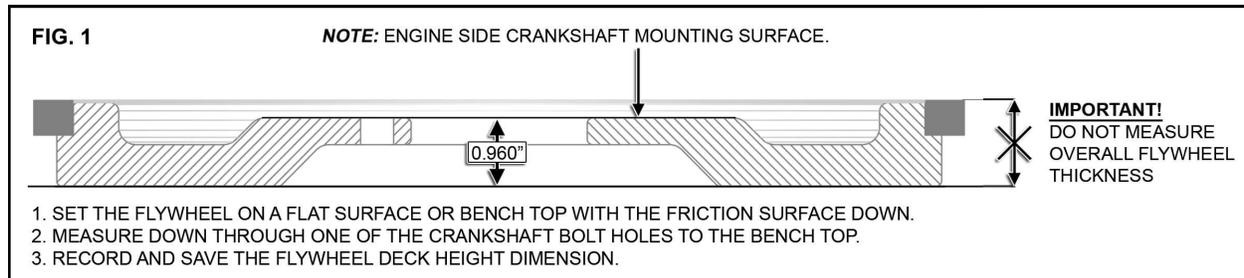


FIG 2 shows the O.E. clutch fork pivot ball height of 3.650” as measured from the engine block side of the Bellhousing plate (block saver) to the top of the clutch fork pivot ball. If your flywheel deck height measures between 0.910” and 0.960”, be sure your clutch fork pivot ball height is 3.650”. If 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 3.650” (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”

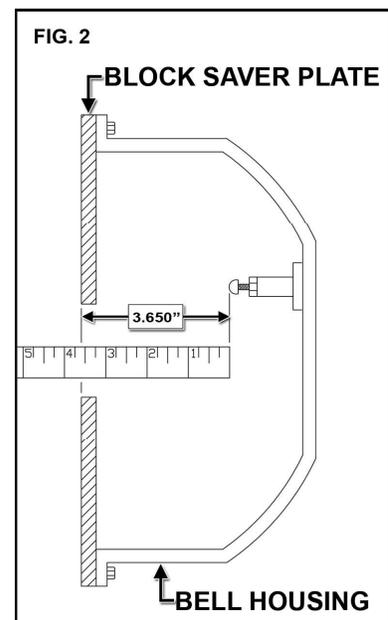
Use an aftermarket adjustable pivot ball to move the clutch fork pivot ball 0.110” CLOSER to the engine:

0.110” SUBTRACT from 3.650” = 3.540” (adjust the clutch fork pivot ball height to 3.540” in this example.)

These dimensions are for cable clutch release systems using Centerforce P/N: N1714 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

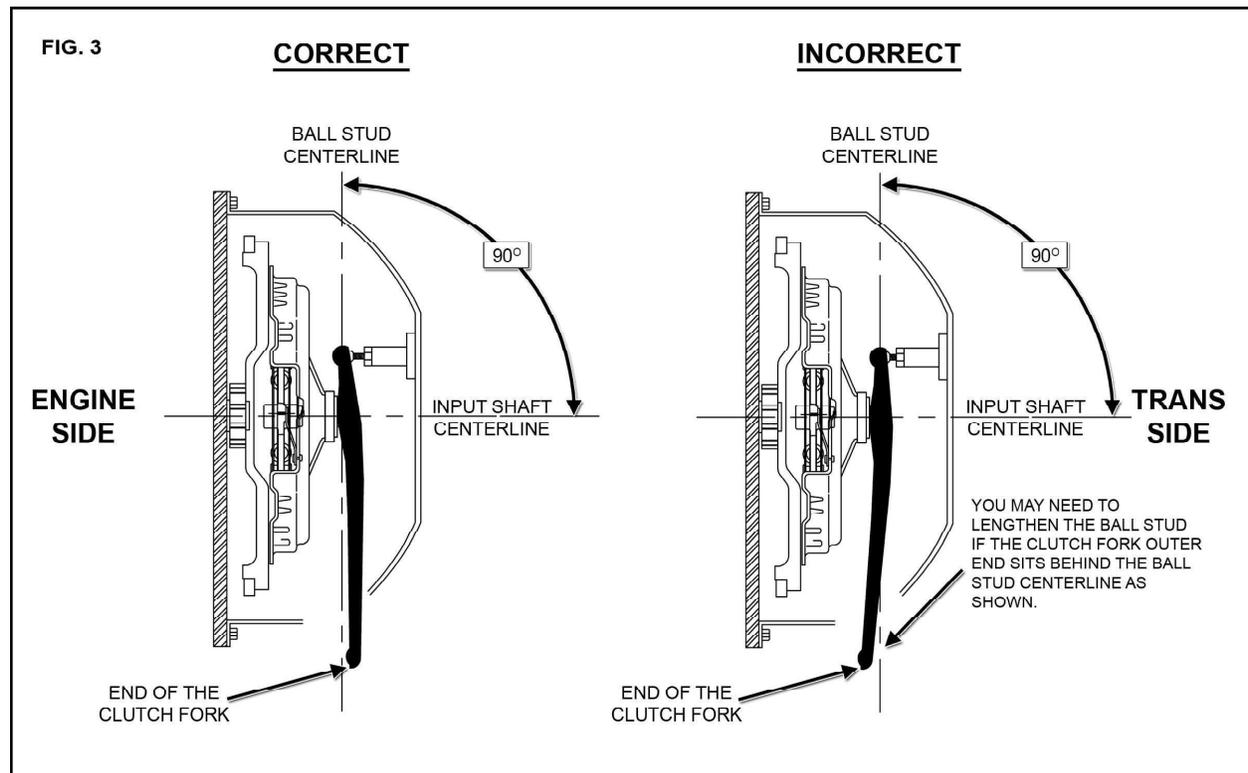
NON ADJUSTABLE
FORD MOTOR CO.
P/N D5FZ-7B602A

ADJUSTABLE PIVOT BALLS
LAKEWOOD / MR GASKET P/N: 15502 (Short Length)
LAKEWOOD / MR GASKET P/N: 15503 (Mid Length)
McLEOD P/N: 16909

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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 be pointed towards the transmission, behind the ball stud center as shown in FIG 3. If the outer end of the clutch fork is ahead of the ball stud centerline (pointing towards the engine), your clutch linkage 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. Next, fully retract the release bearing away from the clutch fingers and visually check to insure that you have at least 1/4" clutch wear allowance gap between the release bearing and the clutch fingers. 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. 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.

