

FORD MOTOR CO., CABLE OPERATED

Pinto & Bobcat
Mustang II

DESCRIPTION

Clutch is of single dry disc type, with cable operated mechanical linkage.

REMOVAL & INSTALLATION

CLUTCH

Removal, Pinto & Bobcat — 1) Raise vehicle on hoist. Loosen clutch cable adjusting nuts to provide slack in cable. Pull back on rubber dust cover and disengage clutch cable from release lever. Disconnect clutch cable from flywheel housing. Remove bolts that secure engine rear plate to front lower part of flywheel housing. Remove transmission and clutch housing as an assembly.

2) Loosen the six pressure plate cover attaching bolts evenly to avoid distorting the cover. If the same pressure plate and cover are to be reinstalled, mark cover and flywheel so that pressure plate can be reinstalled in original position. Remove pressure plate and clutch disc from flywheel.

Removal, Mustang II 4 Cyl. — 1) Raise vehicle on hoist. Loosen clutch cable adjusting nut to provide slack in cable. Remove transmission. Remove clutch lever cover and cable retainer. Disengage clutch cable from release lever. Disconnect clutch cable from flywheel housing. Remove starter motor. Remove the bolts that attach housing to cylinder block, then move housing back just far enough to clear pressure plate and remove housing.

2) Loosen the six pressure plate cover attaching bolts evenly to avoid distorting cover. If the same pressure plate and cover are to be reinstalled, mark the cover and flywheel so that pressure plate can be reinstalled in original position. Remove pressure plate and clutch disc from flywheel.

Removal, Mustang II V6 — 1) Raise vehicle on hoist, then loosen clutch cable adjusting nut to provide slack in cable. Remove transmission. Remove release bearing. Remove clutch cable retaining clip and clevis pin from clevis at release lever connection. Disengage clevis from cable. Disconnect clutch cable from flywheel housing by removing nut that attaches cable to housing and pulling cable toward front of vehicle until it clears housing boss.

2) Remove clutch retracting spring. Remove starter. Remove the four bolts holding crossmember and remove crossmember. Remove bolts that secure engine rear plate to front lower part of flywheel housing. Remove bolts that attach housing to cylinder block. This will remove engine decking shield which should be set aside. Move housing back just far enough to clear pressure plate and remove housing.

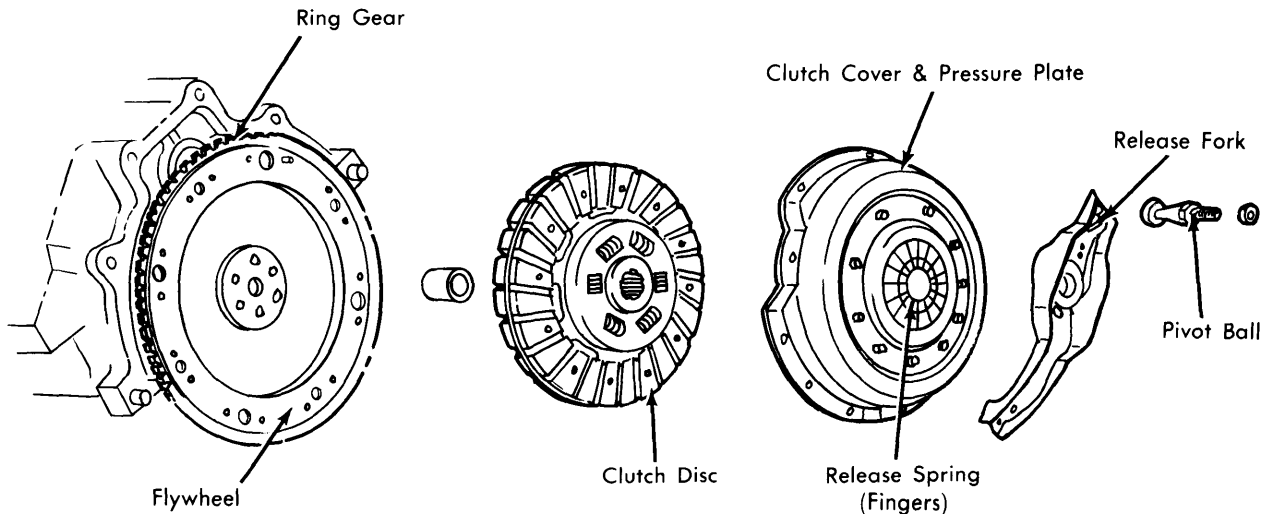
3) Loosen the six pressure plate cover attaching bolts evenly to avoid distorting cover. If the same pressure plate and cover are to be reinstalled, mark the cover and flywheel so that pressure plate can be reinstalled in original position. Remove pressure plate and clutch disc from flywheel.

Installation, All — 1) Position clutch disc and pressure plate assembly on flywheel. The three dowel pins on flywheel must be properly aligned with pressure plate. Bent, damaged, or missing dowels must be replaced. Align clutch disc, then alternately and evenly tighten cover bolts.

2) Apply a light film of lithium base grease (CIAZ-19590-B) to the following surfaces: Outside diameter of transmission front bearing retainer, release lever fork and anti-rattle spring where they contact the release bearing hub, and release bearing surfaces that contact pressure plate release fingers. Fill grease groove of release bearing hub with the same grease. Be sure that there is no excess grease anywhere on assembly. From this point, install by reversing removal procedure.

CLUTCH CABLE

Removal & Installation, Pinto & Bobcat — 1) Disconnect negative battery cable. Working under vehicle, loosen cable



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MUSTANG II 4 CYL., PINTO & BOBCAT CLUTCH ASSEMBLY

FORD MOTOR CO., CABLE OPERATED (Cont.)

lock nut at flywheel housing boss. Pull nylon adjuster nut forward toward engine until tabs on nut clear flywheel housing and cable can be removed through slotted hole in housing boss.

2) Remove rubber boot covering clutch release lever and disconnect clutch cable at release lever. Inside the vehicle, remove hair pin clip, clevis pin and clevis attaching cable to clutch pedal. Remove clevis from cable. Depress tangs holding cable retainer to dash panel and push cable forward through dash panel. Remove cable from vehicle. To install, reverse removal procedure.

Removal & Installation, Mustang II 4 Cyl. – 1) At dash panel, remove cable retaining clip and pull cable toward front of car until adjusting nut can be rotated. Rotate nut away from adjusting sleeve approximately one inch. Remove sheet metal screw from bracket holding cable to fender apron and remove cable end fitting from top of clutch pedal arm. Push cable through dash.

2) Working under car, remove sheet metal screws holding metal release lever cover. Remove plastic cable retaining clip and disconnect cable from release lever. Remove rear nut that attaches cable to clutch housing and pull cable toward front of car until it clears clutch housing boss. Remove cable from car along with remaining lock nut and retaining spring. For installation, reverse removal procedures.

Removal & Installation, Mustang II V6 – 1) At dash panel, remove cable retaining clip and pull cable toward front of car until adjusting nut can be rotated. Rotate nut away from adjusting sleeve approximately two inches. Remove sheet metal screw from clamp bracket holding cable to fender apron. Remove cable end fitting from top of clutch pedal arm and push cable through dash.

2) Working under vehicle, remove clutch cable retracting spring. Remove retaining clip and clevis pin holding clutch cable to release lever shaft assembly. Remove clevis from clutch cable. Remove nut that attaches cable to flywheel housing and pull cable toward front of vehicle until it clears flywheel housing boss. Remove cable from vehicle. To install, reverse removal procedure.

CLUTCH PILOT BEARING

With transmission removed and using suitable tools (T58L-101-A and T59L-100-B) remove pilot bearing. Before installing new bearing, coat inside bore of bearing with wheel bearing lubricant; but do not use too much, since it would be thrown onto clutch.

ADJUSTMENT

CLUTCH CABLE ADJUSTMENT

Pinto & Bobcat – 1) Loosen clutch cable lock nut located on transmission side of flywheel housing. Pull cable toward front of car until tabs on nylon adjuster nut are clear of housing boss, then rotate nut toward front of vehicle approximately $\frac{1}{4}$ ". Release cable, then pull cable forward again until free movement of release lever is eliminated.

2) Rotate adjusting nut toward housing until contact is made between face of index tabs and housing, then index tabs so that they drop into nearest housing groove. Tighten lock nut.

Mustang II – 1) Remove cable retaining clip at dash panel. Remove screw holding cable attaching bracket on fender apron and pull cable toward front of car until adjusting nut can be rotated. Rotate nut away from adjusting sleeve approximately $\frac{1}{4}$ ". Release cable to neutralize system and then pull cable again until free movement of release lever is eliminated.

2) Rotate adjusting nut toward adjustment sleeve until contact is made, then index into next notch. Reinstall cable retaining clip and cable attaching bracket.

Clutch Pedal Free Play

Application	① Free Play
Pinto & Bobcat.....	$\frac{7}{8}$ - $1\frac{1}{8}$ "
Mustang II.....	$1\frac{3}{8}$ - $1\frac{5}{8}$ "

① – With engine idling.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Flywheel Housing-to-Engine.....	28-38
Pressure Plate-to-Flywheel.....	12-24
Cable Adjuster Lock Nut.....	15