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## **Ford 1979-04 Mustang Adj. Clutch Quadrant or Firewall Clutch Adjuster Installation Instructions (Read Carefully Before Starting Project)**

Thank you for purchasing Granatelli Motor Sports' Mustang components. Our kit features 6061 T-6 billet aluminum components that are hard anodized and premium quality hardware. Like all Granatelli Motor Sports products, great pride and precision craftsmanship went into making this kit.

### **Quadrant:**

- 1) At the bellhousing, remove the plastic splash shield. Use a pry bar to slacken the clutch cable and disconnect it from the clutch fork.
- 2) Under the dash, pull the end of the cable loose from the quadrant.
- 3) Under the dash there are two plastic parts, which make up the factory clutch quadrant mechanism. They are held in place by clips on the end of the shafts. Remove the clips from the end of the shafts.
- 4) Press the clutch pedal fully to the floor (you may have to pull the carpet aside) and pry the plastic quadrant and springs off.
- 5) Press the clutch pedal to the floor again. Align the new aluminum quadrant with the shafts and slide the aluminum quadrant on. Reinstall the clips onto the end of the shafts.
- 6) Install the Adjustable Cable or Cable Adjuster. (See instructions below.) Hook the cable onto the clutch quadrant. **If you are using a firewall mounted Cable Adjuster**, attach the cable to the hook closest to the firewall. **If you are using an Adjustable Cable without a firewall Adjuster**, attach the cable to the hook farthest away from the firewall.

### **Firewall Cable Adjuster:**

- 1) At the bell housing, remove the plastic splash shield. Use a pry bar to slacken the clutch cable and disconnect it from the clutch fork. Disconnect the cable from the firewall.
- 2) Install the clutch quadrant. See instructions above.
- 3) Pull the rubber bushing off of the end of the clutch cable (where the cable meets the firewall). File the 4 small bumps off of the end of the clutch cable. Insert the clutch cable into the Cable Adjuster.

**1994-2002 MUSTANG USING STOCK CABLE:** Pry the metal flange, which bolts to the firewall off of the cable. Unhook the plastic coupler and pull it off the cable sheath. Cut through the coupler to remove it from the cable. Pull the rubber bushing (which was under the coupler) off of the cable. Place adapter bushing into the Cable Adjuster. Insert the clutch cable into the Cable Adjuster.

- 4) Install the cable and Adjuster into the firewall and connect the cable to the Clutch Quadrant. Attach the cable to the hook closest to the firewall. Use a small screw to attach the Cable Adjuster to the firewall.
- 5) Reconnect the clutch cable to the clutch fork.

6) Adjust the clutch cable by turning the Cable Adjuster at the firewall. Be sure the clutch fully releases when the pedal is depressed, and the clutch is fully engaged with no tension on the cable when the pedal is released. Spread a small dab of silicone gasket maker on the threads to keep the Cable Adjuster from turning due to engine vibrations.

#### **Adjustable Cable: Installation Instructions:**

1) At the bell housing, remove the plastic splash shield. Use a pry bar to slacken the clutch cable and disconnect it from the clutch fork. Remove the clip, which holds the cable to the bell housing. In the engine compartment, disconnect the cable support bracket(s) from the car. Disconnect the cable from the firewall.

2) Under the dash, pull the end of the cable loose from the quadrant and remove the cable from the car.

3) Install the clutch quadrant. See instructions for quadrant.

4) Insert the end of the new cable through the firewall and bolt the cable to the firewall with the factory screw. On some vehicles, the original cable will have two screws at the firewall. In most cases this second screw is not used on the new cable. Hook the cable over the end of the clutch quadrant.

5) For **1982-93 Mustangs** route the cable the same way as stock; bolt the support bracket to the strut tower.

On **1994-2004 Mustangs** the new cable will follow a different route than the original cable, and the support bracket(s) are not used. To install the cable on '94-'00 Mustangs, follow steps A, B & C below:

A) Route the cable down between the valve cover and brake-proportioning valve, to the rear of the engine oil filter.

B) Route the cable through the engine cross-member, under the motor mount and steering shaft, towards the driver's side of the steering rack. Don't follow the original route under the oil pan. On '94-95 cars it will be a close fit to get the cable between the upright part of the rack and the cross-member.

C) Use cable ties to support the new cable by strapping it to the master cylinder and/or proportioning valve.

6) Reconnect the clutch cable to the clutch fork.

7) Secure the cable away from hot engine parts and sharp edges with cable ties. Note: Care must be taken to keep the cable away from long tube headers. Clutch cables are not designed to withstand direct contact with exhaust components. Long tube headers should be wrapped to keep radiant heat from damaging the cable.

8) Adjust the clutch cable by turning the ball nut with a wrench. Be sure the clutch fully releases when the pedal is depressed, and the clutch is fully engaged with no tension on the cable when the pedal is released. Tighten the jam nut to lock your adjustment in place.

**LIMITED WARRANTY:**

Granatelli Motor Sports warrants that all products shall be free from defects in materials and/or workmanship for ninety days from the date of purchase (except in-tank and in-line fuel pumps purchased at dealer or wd prices as these items have no warranty and roller rocker arms which have a 12-month limited warranty). The following requirements and exclusions apply: (1) You must be the original purchaser and must complete the warranty registration form (located at [www.GranatelliMotorSports.com/warranty.asp](http://www.GranatelliMotorSports.com/warranty.asp)) and return the defective product within 10 days after the expiration of the product warranty. Failure to do so voids all warranty, either express or implied set forth herein. (2) You must reside in the United States or Canada and use the product as described in the warranty registration. (3) The product must not have been altered, disassembled, modified, or converted for any other use than intended by Granatelli Motor Sports. (4) The product, or any part thereof, is not used in accordance with the operating parameters specified by Granatelli Motor Sports (5) The product or any part thereof is damaged or rendered unserviceable due to negligence, vandalism, theft, fire, debris, flood, Act of God, or other peril, malfunction of equipment, or by any cause within the Customer's control. (6) The serial number (if applicable) must not have been altered or removed. The extent of Granatelli Motor Sports' liability under this warranty shall be limited to the prompt correction or replacement, at Granatelli Motor Sports' option and at no cost to the customer other than return shipment, of any defective part of the product determined to be necessary by Granatelli Motor Sports. This only applies if written Granatelli Motor Sports received notice of the claimed defect prior to expiration of the warranty period. All warranties of merchantability and fitness for a particular purpose are expressly excluded. The duration of any and all implied warranties is limited to the duration of this express warranty. All incidental and consequential damages including but not limited to loss profits even if it has been advised of the possibility of such damages are hereby excluded. Regardless of the form of the claim, Granatelli Motor Sports liability for any damages to the customer for such product is limited to the guidelines herein. This stated, expressed warranty is in lieu of all liabilities or obligations of Granatelli Motor Sports for damages arising out of or in connection with delivery, use or performance of the product. This warranty cannot be amended or changed by any Granatelli Motor Sports representative, employee, or agent and any promises inconsistent with this warranty are void and unenforceable against Granatelli Motor Sports. Some states do not allow limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state. Your sole remedy for the above warranties is the repair or replacement of the defective product only, at Granatelli Motor Sports' sole discretion.

**RETURN POLICY:**

Before you return a product for a warranty claim, contact our service department M-F 8AM-5PM (PST) at 805-486-6644 or [techsupport@GranatelliMotorSports.com](mailto:techsupport@GranatelliMotorSports.com) for an RGA number. No returns are accepted without a pre-approved RGA (return goods authorization). No returns on special orders, electrical items or after 90 days from date of original shipment. All returns must be safety packaged in original packaging (if available) and clearly marked with your RGA number on the top and two sides of the box. Please insure your shipment for full replacement value as lost, stolen or items damaged in shipment are not covered by our limited warranty. We recommend using FedEx ([www.FedEx.com](http://www.FedEx.com)) or UPS ([www.UPS.com](http://www.UPS.com)) for shipping. Lost, stolen or damaged items claims must be made by the customer and resolved by the freight company and not Granatelli Motor Sports. All returns may be subject to a restocking fee of up to 25%. The balance will be returned in the form of a company check or may be applied as credit towards another purchase.

**PERFORMANCE CONSUMER'S BILL OF RIGHTS:**

Legally, a vehicle manufacturer cannot void the warranty on a vehicle due to an aftermarket part unless they can prove that the aftermarket part caused or contributed to the failure in the vehicle (per the Magnuson Moss Warranty Act, [www.GranatelliMotorSports.com/magnusonmoss.htm](http://www.GranatelliMotorSports.com/magnusonmoss.htm) (15 U.S.C. 2302(C))). For best results, consider working with performance-oriented dealerships with a proven history of working with customers. If your vehicle manufacturer fails to honor emission/warranty claims, contact EPA at (202) 260-2080 or [www.epa.gov](http://www.epa.gov). If federal warranty protection is denied, contact the FTC at (202) 326-3128 or [www.ftc.gov](http://www.ftc.gov). For additional information, check out [www.GranatelliMotorSports.com/TechSupport.htm](http://www.GranatelliMotorSports.com/TechSupport.htm).

**Disclaimer:**

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