Maximum Motorsports Inc.

Firewall Adjuster (MMCL-3)

Read all instructions before beginning work. Following instructions in the proper sequence will ensure the best and easiest installation.

Thank you for purchasing Maximum Motorsports' Firewall Clutch Adjuster. This Firewall Adjuster allows the use of factory and aftermarket clutch cables for all 1979 and up Mustangs.

Clutch Cable Removal

1. Lift up on the clutch pedal, all the way, to release the self adjusting quadrant mechanism.

2. Push the top of the quadrant towards the firewall then disconnect the cable from the quadrant.

3. From under the hood, remove the screw that holds the clutch cable to the firewall.

4. Pull the clutch cable out of the firewall.
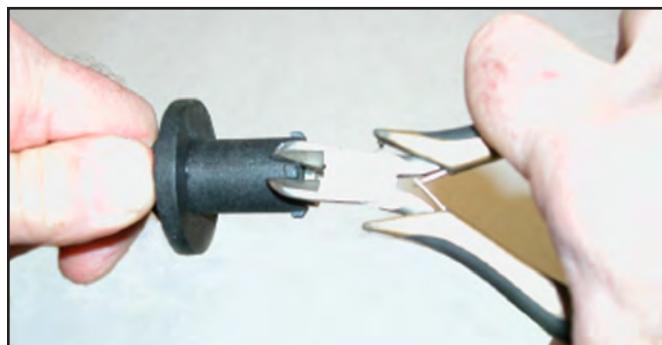
Clutch Cable Preparation

• For 1979-93 cables, proceed to Step 5

• For 1994-04 cables, proceed to Step 9

• For MMCL-11 Cables, proceed to Step 18

1979-93 Clutch Cables

5. Remove the rubber bushing from the end of the cable housing.

6. Using diagonal cutters, a file or utility knife, remove the four tabs from the end of the housing if present.
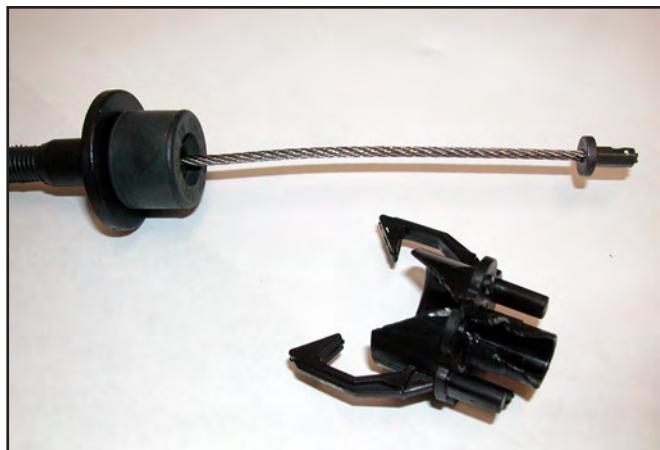

7. Insert the clutch cable into Firewall Adjuster. While holding the clutch cable housing in one hand, turn the knurled part of the Firewall Adjuster with the other hand. It should spin smoothly and some resistance is OK. If the adjuster is difficult to turn, further trimming is necessary.

8. Remove the clutch cable from the Firewall Adjuster and skip to Step 19.
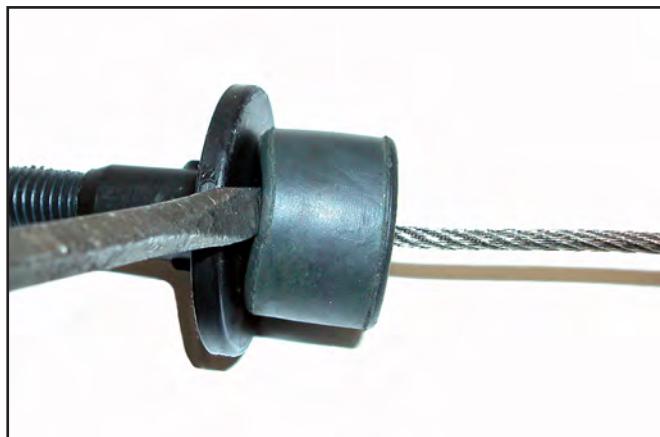
1994-04 Clutch Cables

9. Using a small screw driver, pry back the tabs on the metal lock washer. Remove the lock washer from the end of the cable housing.
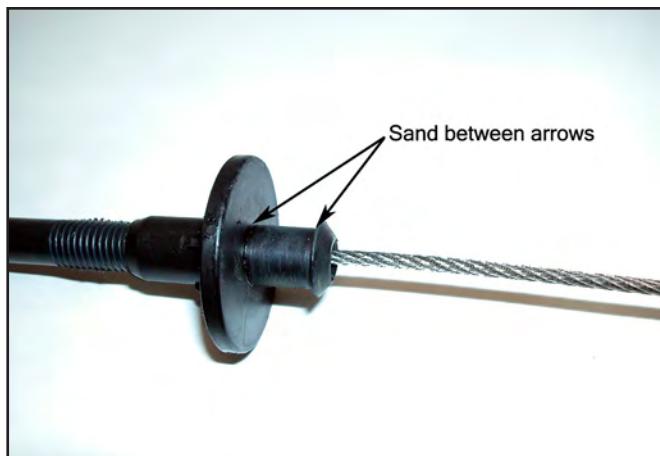
10. Remove the metal/foam gasket from the end of the cable housing.

11. Un-clip and remove the plastic firewall mount from end of the cable housing. It will be captured on the cable and unable to pass over the end of the cable.

12. Use a pair of diagonal cutters to cut through one side of the plastic firewall mount. Remove it from the clutch cable. Be careful to avoid accidentally cutting the cable.
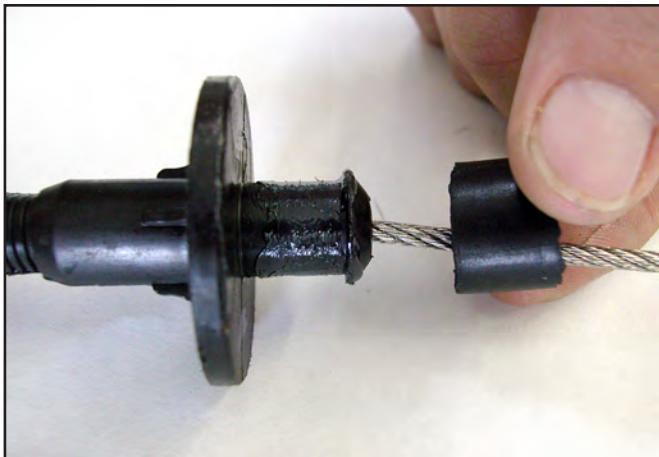

13. With a flat blade screw driver, pry the rubber bushing from the end of the cable housing.

14. Lightly sand the casting flash in the recessed part of the cable housing until smooth.

Sand between arrows

15. Push the supplied rubber bushing over the nose of the clutch cable housing making sure it is fully seated in the recess. If necessary, trim the rubber bushing as needed.

17. While holding the clutch cable housing in one hand, turn the knurled part of the Firewall Adjuster with the other hand. It should spin smoothly with some resistance.

NOTE: If it is difficult to turn, you will need to remove the firewall adjuster, pry the rubber bushing from the nose of the clutch cable housing and sand slightly more as shown in Step 14.

NOTE: A small amount of resistance is desired so the clutch adjustment does not move accidently.

18. Remove the Firewall Adjuster from the clutch cable.

Firewall Adjuster Installation

19. Install the MM Firewall Adjuster and secure it to the firewall using the provided screws.

NOTE: 1979-93 vehicles only have one mounting hole in the firewall. While not necessary, we highly recommend drilling another hole in the firewall to accommodate the second mounting hole in the MM Firewall Adjuster. Use a **#26** drill bit to make the hole.

NOTE: Before installing in the car, you will need to check the operation of the Firewall Adjuster on the clutch cable.

16. Slip the MM Firewall Adjuster over the rubber bushing. Push the firewall adjuster until it is fully seated against the face of the clutch cable housing.

20. Screw the Firewall Adjuster in all the way.

21. Insert the clutch cable into the MM Firewall Adjuster.

22. Reattach the cable to the quadrant.

Clutch Cable Adjustment

As delivered from Ford, the Mustang has a plastic quadrant and pawl gear assembly designed to self-adjust the clutch cable tension over the life of the clutch. After you've upgraded your clutch quadrant and firewall adjuster, it is necessary to manually adjust the tension on the clutch cable yourself. Before doing this, there are some things that need to be checked. The goal is to hold the clutch cable housing at right angles to the surfaces at each end it is mounted to. This will minimize slack in the cable system and ensure adequate clutch pedal travel.

• The firewall adjuster must be securely attached to the firewall.

• The clip that holds the transmission end of the clutch cable housing to the bell housing must be in place. This clip is located underneath the clutch fork cover.

Once the clutch cable housing has been properly secured and aligned, you can move on to adjusting the cable tension. The cable tension is adjusted by screwing the firewall adjuster out of the firewall.

23. Screw the firewall adjuster out of the firewall until the cable has just enough tension that 5-8 lb of force at the pedal will move the pedal down 1/2" inch. If the pedal moves more than ½" when 5-8 lb of force is applied to it, increase the cable tension by screwing the firewall adjuster further out of the firewall.

NOTE: As the friction material on the clutch disc wears, the cable tension will increase, requiring a "clutch adjustment" to correct. Periodically decrease the clutch cable tension by threading the firewall adjuster into the firewall to maintain the 5-8 lbs of force at the pedal as specified in Step 23.

NOTE: If the clutch doesn't disengage with the pedal fully depressed, increase the cable tension by screwing the firewall adjuster out as required.

This Kit Includes

1	Firewall Adjuster
2	Hex Washer Head Screw
1	Rubber Bushing