ACP FM-EC013

Product Manual: ACP FM-EC013 Clutch Push Rod

Model: FM-EC013

Brand: ACP

Introduction

This manual provides instructions for the installation and maintenance of the ACP FM-EC013 Clutch Push Rod. This component is designed to connect the clutch equalizer bar to the clutch release lever in specific Ford and Mercury models from 1962-1967.

Applicable Vehicles: 1962-1967 Comet, Fairlane, Falcon, Mustang.



Image: The ACP FM-EC013 Clutch Push Rod, a critical component for clutch linkage.

Product Overview

The ACP FM-EC013 Clutch Push Rod is a direct-fit replacement part constructed from premium quality, long-lasting steel. Its primary function is to replace a worn-out clutch lower rod, ensuring the clutch pedal operates correctly and remains in its intended position.

Key Features:

- Attaches the clutch equalizer bar to the release lever.
- Replaces worn clutch lower rod to maintain clutch pedal position.
- Manufactured from premium quality, long-lasting steel.
- Direct fit replacement for ease of installation.

Dimensions:

- Eyelet Diameter: 1/2 inch
- Center of Eyelet to Tip (Compressed): 6 1/2 inches
- Extended Length: Approximately 8 1/4 inches

Safety Information

Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when working on vehicle components.

Ensure the vehicle is securely supported on jack stands before working underneath it. Do not rely solely on a jack.

Disconnect the vehicle's battery before performing any electrical work, though this specific component is mechanical.

Refer to the vehicle's service manual for specific torque specifications and additional safety procedures.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Setup and Installation

Required Tools:

- Wrenches (appropriate sizes for nuts)
- Pliers (optional, for cotter pins if present)
- Vehicle jack and jack stands
- Safety glasses and gloves

Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Safely lift the front of the vehicle using a jack and secure it with jack stands.
2. **Locate Existing Rod:** Identify the existing clutch push rod connecting the clutch equalizer bar to the clutch release lever.
3. **Remove Old Rod:** Carefully remove any retaining clips or nuts securing the old rod. Detach the old rod from both the equalizer bar and the release lever. Note the orientation for reassembly.
4. **Inspect Components:** Inspect the equalizer bar, release lever, and their pivot points for wear or damage. Replace any worn components as necessary.
5. **Install New Rod:** Position the ACP FM-EC013 Clutch Push Rod in place, attaching one end to the clutch equalizer bar and the other to the clutch release lever.
6. **Secure Rod:** Secure the new rod using the appropriate retaining clips or nuts. Ensure all connections are firm and properly seated.
7. **Adjust Clutch Pedal (if necessary):** After installation, check the clutch pedal free play and engagement point. Adjust the clutch linkage according to the vehicle's service manual specifications to ensure proper clutch operation. The adjustable nature of this rod allows for fine-tuning.
8. **Final Check:** Lower the vehicle. Test the clutch operation thoroughly before driving. Ensure smooth engagement and disengagement.

Operating Instructions

The ACP FM-EC013 Clutch Push Rod is a mechanical linkage component and does not require specific operating instructions beyond its proper installation and adjustment. Its function is to transmit force from the

clutch equalizer bar to the clutch release lever, enabling clutch disengagement.

Proper operation relies on correct installation and periodic inspection for wear.

Maintenance

Regular inspection of the clutch push rod and associated linkage components is recommended as part of routine vehicle maintenance.

- **Visual Inspection:** Periodically check the rod for signs of wear, bending, corrosion, or damage.
- **Connection Points:** Ensure all connection points (eyelets, nuts, clips) are secure and free from excessive play.
- **Lubrication:** Apply a small amount of appropriate grease to the pivot points and eyelets during inspection to reduce friction and prevent wear.
- **Adjustment:** If clutch pedal free play changes or clutch engagement feels inconsistent, re-check the rod's adjustment and the overall clutch linkage.

Troubleshooting

Issue: Clutch pedal feels loose or has excessive free play.

- **Possible Cause:** Worn clutch push rod, worn equalizer bar bushings, or improper adjustment.
- **Solution:** Inspect the push rod for wear. Check the equalizer bar and release lever pivot points for excessive play. Adjust the rod length to achieve the correct clutch pedal free play as specified in your vehicle's service manual.

Issue: Difficulty engaging or disengaging gears.

- **Possible Cause:** Clutch not fully disengaging or engaging, potentially due to incorrect rod adjustment or other clutch system issues.
- **Solution:** Verify the push rod is correctly installed and adjusted. If the issue persists, inspect other clutch components such as the pressure plate, clutch disc, and throw-out bearing.

Issue: Squeaking or grinding noises from clutch linkage.

- **Possible Cause:** Lack of lubrication at pivot points or worn components.
- **Solution:** Lubricate all pivot points of the clutch linkage, including the rod's eyelets. Replace any components showing significant wear.

Specifications

Attribute	Value
Model Number	FM-EC013
Brand	ACP
Material	Steel
Eyelet Diameter	1/2 inch
Length (Center of Eyelet to Tip, Compressed)	6 1/2 inches

Length (Extended)	Approximately 8 1/4 inches
Product Dimensions	8 x 1 x 1 inches
Item Weight	1 pound
Compatible Vehicles	1962-1967 Comet, Fairlane, Falcon, Mustang

Warranty and Support

For information regarding warranty coverage or technical support, please refer to the manufacturer's official website or contact your retailer. Keep your purchase receipt for warranty claims.

Manufacturer: ACP

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