



MUSTANG UPPER CONTROL ARM AND MOUNT

Part # UTCA017, UTCA018, UTCA019, UTCA020, UCM001

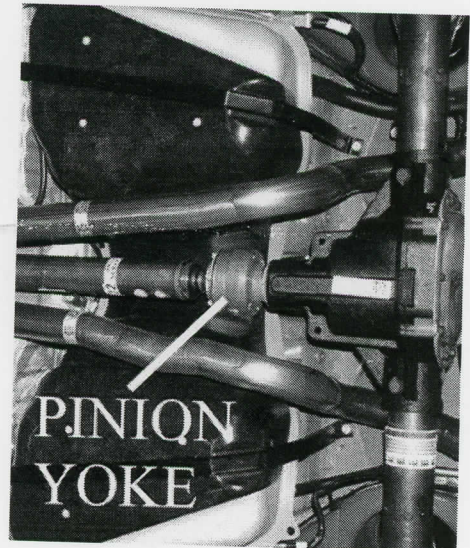
NOTE: While this installation can be performed with a jack and jack stands, a service lift is recommended.

Installation:

1. One of the bolts that retain the upper control arm mount is accessed under the rear seat inside the car. Remove the lower section of the rear seat by releasing the two lower clips located at the front of the seat bottom. This can be accomplished by pushing back on the seat until the clips are released, then lift the seat up and pull it out. The upper portion of the seat does not need to be removed.
2. Once the seat is removed, locate the upper control arm mount bolt and remove it using an 18mm socket.
3. Lift vehicle and support with stands under the frame, allowing the rear end to hang. Support rear with jack.
4. Using an 18mm socket, remove the upper control arm bolt at the rear end. The rear will shift slightly on the jack once this bolt is removed.
5. Using an 18mm socket, remove the two remaining control arm mount bolts.
6. It is not possible to remove the upper control arm mount without lowering the fuel tank. Support the tank and loosen the fuel tank straps at the rear of the tank using a 13mm socket (Due to a Ford recall, some cars have a unique 50 IP Torx head bolt in this location. This is an oversized T50 Torx that is only available through Snap-On dealers under part number FTX50TPE) Lower the tank far enough so that the upper mount and control arm can be removed.
7. Once the control arm mount and control arm have been removed, disassemble them using an 18mm socket.
8. When using BMR adjustable control arms, adjust to the approximate OE length. Lubricate the polyurethane bushings (where applicable) and install the BMR control arm into the new upper control arm mount. Insert the new supplied bolt but do not tighten yet.
9. Bolt the BMR control arm mount into the car using the rear lower factory bolts. Tighten to 110 ft/lbs.
10. Insert the OE bolt into the upper front hole located inside the car and tighten to 129 ft/lbs. using an 18mm socket. Reinstall the rear seat.
11. Reposition the fuel tank and tighten the strap bolts to 33 ft/lbs.
12. Rotate the rear end until the mounting hole lines up and insert the bolt.
13. If you are using part number UTCA018, you can tighten both control arm mounting bolts at this time. If using part number UTCA017, the rear end must be loaded before tightening the bolts. To do this, lift the rear to ride height and then tighten the control arm mounting bolts. Tighten both cross-bolts to 129 ft/lbs. **NOTE:** Failure to load the suspension before tightening these bolts can result in premature bushing failure due to bushing pre-load.
14. Lower vehicle.

ADJUSTING PINION ANGLE – Part #'s UTCA019 and UTCA020

- Make sure the rear end is loaded by either setting the car on the ground or letting the car rest on jack stands positioned under the rear axle. In both cases, the car needs to be as level as possible and the suspension loaded.
- Place an angle finder on the rear portion of the two piece driveshaft and record the angle. Now place the angle finder on the pinion yoke and record the angle.
- Subtracting one angle from the other results in your pinion angle (Example: -2 rear end angle subtracted from 0 driveshaft angle = -2 degrees)
- Adjust the control arm to achieve the desired angle.
- As a starting point, most cars respond well to the following initial settings: Automatics: 1-2 degrees negative, Manuals: 2-3 degrees negative
- Once pinion angle has been set, apply Loctite to jam nuts and tighten.



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This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to the vehicle/person during installation or use of this product.

BMR Suspension

Terms & Conditions – Retail Customers

Business Hours :

Office hours are 8:30am to 6:00pm Eastern Time, Monday through Friday. You can order product directly from BMR Suspension, by calling (813) 986-9302 during office hours. You can also order product online via our secure online shopping cart at www.bmrsuspension.com, via e-mail at sales@bmrsuspension.com, or via fax at (813) 986-8055.

Tech Support :

Our technical staff is available from 8:30am to 6:00pm Eastern Time, Monday through Friday by calling us at (813) 986-9302 or e-mailing us at tech-help@bmrfabrication.com. Installation instructions for most part numbers can be downloaded at www.bmrfabrication.com/instructions.

Terms :

We accept Visa, Mastercard, Discover, US Postal Service money orders, and wire transfers.

Returns – Non-Warranty Items :

All non-warranty returns must be made within 90 days from the date of shipment and are subject to a 15% restocking fee, excluding all shipping cost. BMR Suspension will not accept returns on items that have been installed, used, modified or damaged. All items must be received in the original packing material and in the original condition as it was shipped. All items damaged from shipping will be refused. BMR will issue a Returned Material Authorization number for every return. Returned goods will not be accepted without an RMA Number. There are no refunds on shipping and handling charges and all items must be sent prepaid. All returned goods sent freight collect will be refused. If item is returned scratched, nicked or damaged in any way, the cost to repair or re-powder coat the item will be deducted from the amount of the refund. If item is missing any components, the cost to replace these components will be deducted from the amount of the refund. Special order items cannot be returned.

Shipping :

In-stock parts ordered by 3pm Eastern time will ship the same day. BMR Suspension ships all orders UPS Ground unless otherwise specified. UPS next day air, 2nd day air and 3-day select are only available on items that are in stock at the time of order. Canada, Hawaii and Alaska shipments may ship US Postal Service if requested in advance. BMR Suspension does not ship product using other small-package carriers. Any shipment that is refused without authorization will be subject to original shipping charges, return shipping charges, and a restocking fee.

Shortages and Incorrect Shipments :

If the incorrect product is shipped to the customer due to a BMR error (wrong color, wrong part, wrong size), the incorrect product will be replaced with the correct product at **no charge**. If a shortage is found within the shipment, the missing components will be replaced at **no charge**. Incorrect product and shortages must be reported to BMR Fabrication within fourteen (14) days of receipt of shipment. The customer may be responsible for a portion of the replacement cost if reported after fourteen (14) days.

BMR will ship the replacement product or missing components at **no charge** using the same shipping method as the original shipment. If the customer would like to upgrade the shipping method (for example, Next Day Air), the customer will be charged the difference in shipping cost. If the customer cancels the order, the order will be subject to a 15% restocking fee. Replacement product will not be shipped until the original product has been returned.

International Orders :

All international orders must be fully prepaid in US funds. International orders that are more than \$1000 must be prepaid with a wire transfer. International orders that are less \$1000 may be paid with a credit card or wire transfer. International orders will be shipped UPS or truck freight. Canada orders may ship US Postal Service if requested in advance. The buyer is responsible for all shipping costs and must be prepaid. All international items will be fully insured and marked for the full value of the item. Required duties and taxes must be paid by the customer to the appropriate parties.

Warranty :

BMR product applications are warranted to be free from defects in material and workmanship under normal use and service for a period of (2) two years from the date of sale to the original purchaser. Obligation under this warranty is limited to product replacement but not the reinstallation of the replacement product or other incidental costs. This warranty does not cover any product that has been subject to misuse, neglect, alteration, accident, or improper installation. Normal wear shall not be considered a defect under this warranty. All warranty adjustments are limited to replacement or credit of returned merchandise. This warranty specifically excludes impact damage or damage to powdercoat. BMR will issue a Returned Material Authorization number for every return. Returned goods will not be accepted without an RMA Number. BMR will ship the replacement product at no charge using UPS Ground. If the customer would like to upgrade the shipping method (for example, Next Day Air), the customer will be charged the difference in shipping cost.

BMR product is designed to be used with OEM product and other BMR products. BMR does not warranty our product for fitment with aftermarket product from other manufacturers. This applies to suspension products from other manufacturers as well as aftermarket exhaust products, aftermarket drivetrain products, and other aftermarket products. BMR products that are returned due to fitment issues with OEM components or BMR product will receive a full refund. BMR products that are returned due to fitment issues with aftermarket product will be subject to a 15% restocking fee.

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