



S197 TUBULAR CONTROL ARMS
Part # ACA004, TCA019, TCA022, TCA032

NOTE: When performing this installation it is recommended to do one side at a time. Removing both lower control arms at the same time allows the rear to move forward making re-installation more difficult.

INSTALLATION:

1. Lift vehicle and support by the axle. Remove both rear wheels.
2. Using a small screwdriver, unhook the brake cable where it attaches on the caliper. Slide the brake cable out of the control arm.
3. Remove both control arm bolts using an 18mm wrench or socket. Remove the control arm.
4. On polyurethane equipped models, lube the external bushing surfaces of the new control arms.
5. With the narrow end forward, install the control arm using the factory bolts. The offset bushings at the rear of the control arms face inward. Tighten all mounting bolts to 130 ft/lbs.
6. Repeat steps 2-5 on the other side.
7. Re-install the brake cables. This may be done by using a pry-bar to rotate the brake lever while re-inserting the cable end into the slot. Zip-tie the brake cable to the new control arms.
8. Using a grease gun with a silicone based polyurethane lube; lube each grease fitting with 1-2 pumps. For maximum longevity, re-grease in an additional 500 miles and then every other oil change.
9. Lower vehicle.



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CONTROL ARM RELOCATION BRACKETS

2005-2014 Ford Mustang

Tools required:

Wrenches: 15mm, 18mm, 19mm, 22mm
Sockets: 18mm, 19mm, 22mm
Jack and Jack Stands
Pry-bar, Hammer

Installation:

1. Lift rear of vehicle and place stands under the rear axle.
2. Begin with the passenger side. Using a 15mm wrench, loosen the axle damper weight mounting bolt and remove the damper as shown in **IMAGE 1**. *NOTE: please disregard this step if your vehicle did not come with these weights.*



3. Using an 18mm socket or wrench, remove the lower control arm bolt as shown in **IMAGE 2**. Lower control arm to gain access to mount area.



4. Slide the passenger side BMR Relocation Bracket over the OE mount and align the holes. Re-install the axle damper weight but do not tighten the bolt yet. (**IMAGE 3**) *NOTE: if your vehicle did not come with damper weights installed, use the provided 12mm x 45mm bolts for this mounting position.*



CONTROL ARM RELOCATION BRACKETS (Cont.)

5. Locate the gold colored bolt spacer and a 14mm x 110mm bolt from the provided hardware pack and install it into the OE mounting hole as shown in **IMAGE 4**. Do not tighten yet. When installed, it should look like **IMAGE 5**.



6. Locate the short 14mm x 35mm bolt, washer and nut in the hardware packet and insert it into the upper mount of the relocation bracket as shown in **IMAGE 6**. Slide a 22mm wrench up into the control arm mount and onto the nut. Tighten the bolt to 129 ft/lbs. using a 22mm socket.
7. Tighten the sleeve and cross-bolt to 129 ft/lbs. then tighten the upper damper bolt to 45 ft/lbs. using a 22mm socket and wrench.



8. Position the control arm into the desired hole as shown in **IMAGE 7** and insert a new 14mm x 100mm bolt and nut. Tighten the bolt to 129 ft/lbs.



CONTROL ARM RELOCATION BRACKETS (Cont.)

9. Move to the drivers' side next and remove the axle damper weight using a 15mm wrench as shown in **IMAGE 8**. *NOTE: please disregard this step if your vehicle did not come with these weights.*



10. Using the 18mm wrench, loosen the control arm mounting bolt and lower the control arm out of the way. See **IMAGE 9**.



11. Using an 18mm wrench, remove the Panhard rod bolt as shown in **IMAGE 10**.



CONTROL ARM RELOCATION BRACKETS (Cont.)

12. Slide the BMR Drivers' side relocation bracket up onto the mount. The rear leg of the mount should fit up into the OE bracket of the rearend on the backside of the Panhard rod mount. Insert the provided spacer behind the upper hole as shown in **IMAGE 11**.



13. **NOTE:** While our brackets can work in conjunction with the factory damper weights, we recommend removing the dampers. If removing them, use the provided 12mm x 45mm bolts for this mounting hole. If retaining damper, re-install the damper weight but leave the bolt loose. See **IMAGE 12**.



14. As in step #5, install the gold spacer and 14mm x 110mm bolt and nut into the OE control arm mounting hole and leave the bolt loose. See **IMAGE 13**.



CONTROL ARM RELOCATION BRACKETS (Cont.)

15. Re-install the Panhard rod mounting bolt and tighten to 129 ft/lbs. using an 18mm wrench or socket. See **IMAGE 14**.



16. Tighten the main 14mm bolt and nut to 129 ft/lbs. using a 22mm wrench and socket.
17. Tighten the damper weight bolt to 45 ft/lbs using a 15mm wrench.
18. Install the control arm into the desired mounting hole and insert the provided 14mm x 100mm bolt and nut as shown in **IMAGE 15**. Tighten to 129 ft/lbs.
19. Lower vehicle.



Recommended Settings:

Top hole: Stock height, lowered up to 1.00"

Middle hole: Lowered 1.00 to 1.75"

Bottom hole: Lowered more than 1.75"

When using any of the (3) available positions on the BMR-CAB005, we always recommend using the TOP hole on our BMR-UCM001 -or- BMR-UCM002 upper control arms mounts if you have installed them

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