



# TITANIUM ADJUSTABLE CONTROL ARMS – NM.328855

- [R55] MINI Cooper Clubman, Cooper S Clubman & JCW  
[R56] MINI Cooper Hardtop, Cooper S Hardtop & JCW  
[R57] MINI Cooper Convertible, Cooper S Convertible & JCW

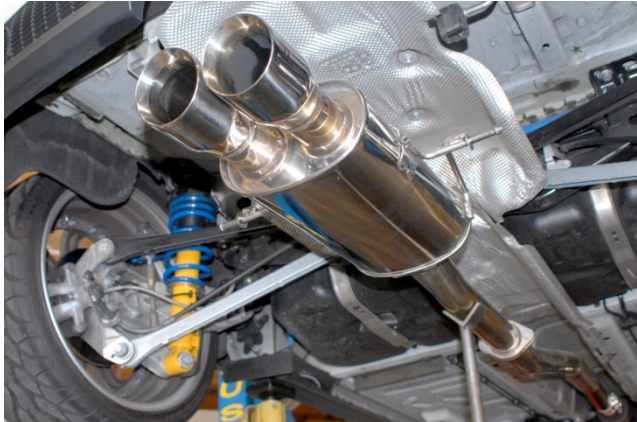
**PARTS INCLUDED:**

- [2] Titanium Control Arms      [8] Stainless Steel Spacers

**TOOLS & SUPPLIES REQUIRED:**

- |                 |                 |                 |                  |                   |
|-----------------|-----------------|-----------------|------------------|-------------------|
| [1] Ratchet     | [1] 16mm Socket | [1] Marking Pen | [1] 15/16 Wrench | [1] Torque Wrench |
| [1] 10mm Socket | [1] 18mm Socket | [1] Screwdriver | [1] 18mm Wrench  |                   |

1. Park car on a flat and level surface capable of supporting the vehicle's weight on a jack and jack stands. Using the manufacturer's recommended lifting point(s), raise rear of vehicle and support with jack stands. **NEVER WORK ON A VEHICLE SUPPORTED ONLY WITH A JACK!**



2. Spray WD-40 or equivalent on rear muffler exhaust hanger pins. Support exhaust while using a screwdriver to pry off rubber exhaust hangers from muffler.



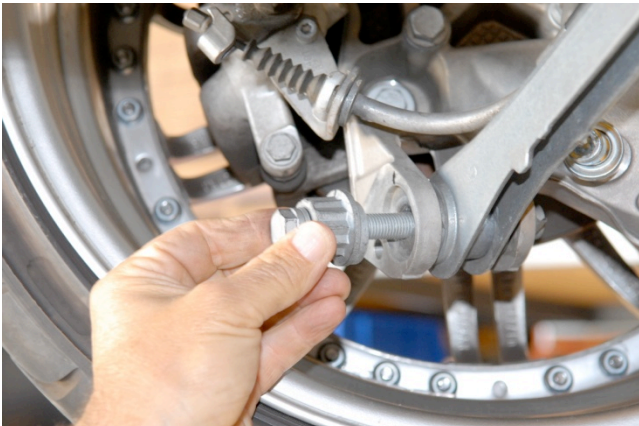
3. Lower and support exhaust system just enough to unbolt and remove rear muffler heat shield from vehicle, (3)10mm hex nuts and (2)10mm hex bolts.



4. Mark existing location of factory adjusting plate to trailing arm on outer control arm bolt with marking pen.



5. Unbolt and remove inner control arm bolt using 18mm socket and wrench.



6. Unbolt and remove outer control arm bolt and adjusting plate using a 16mm socket, then remove control arm.



7. Install supplied stainless steel spacers into ball joints. The NM Control Arms have been pre-set to the factory length of 20 15/16".



8. Install NM Control Arm into inner mount. **NOTE:** Adjusting flats on NM bar goes outward.



9. Now install outer NM Control Arm to trailing arm using factory bolt and adjusting plate. Line-up previous made pen mark before tightening. Torque both inner and outer control arm bolts to 100Nm (74ft.lbs).



10. Repeat for other side.

11. Double check complete installation and tightness of all nuts and bolts.

12. Reinstall heat shield and re-attach muffler to exhaust hangers.

13. At your earliest opportunity, visit a vehicle alignment shop. **Note:** You must have a wheel alignment performed before driving more than 250 miles to prevent permanent uneven wear of your tires. After wheel alignment and adjustment of control arms, make sure that the technician aligns ball joint centered on axis with the suspension loaded.

14. **Camber Adjustment:** 1 full revolution of the bar is equal to about 1° of camber adjustment. **Note:** Bar has both left hand and right hand thread; disassembly is not required for adjustment.

