

Fitting Instructions #TRC500IS

Mitsubishi Triton, MN,ML 2006 – 2015 MQ,MR 2015+

Pajero Sport, QE 2015+, Challenger PB 2008+

Pre-set Camber/Caster Upper Control Arms



NOTE: This instruction sheet applies to TRC500 and TRC501.

**** Superpro recommends all work is carried out by qualified mechanic****

Kit Contents

- 1 x LH Arm
- 1 x RH Arm
- 6 x M8 Ball Joint Bolts
- 2 x Split Pins
- 2x Crown Nuts
- 2 x BJ-MI0047K Ball Joints
- 1 x WG Grease Packet

1. Before beginning any alignment work, always check for loose or worn parts, proper tyre pressures, and odd tyre wear patterns. Replace any loose or worn parts before setting alignment;
2. Raise vehicle by the chassis and support with jack stands. Remove front tyre and wheel assemblies;
3. Remove split pin and nut holding OEM ball joint to spindle. Break the taper between the ball joint stud and spindle and remove the ball joint from the spindle. Support the spindle so no strain is applied to ABS wiring or brake lines;
4. Remove ABS cable brake line brackets from arm and secure to avoid damage
5. Remove nuts and bolts holding arm to chassis (strut may need to be loosened or removed to remove the bolts);
6. Using supplied M8 bolts, assemble ball joint onto new arm, ensure bolts are torqued to 27Nm;
7. Arm should come with pre-installed shortened droop-stop, this arm is not compatible with factory droop-stop;



Figure 1

8. Using supplied grease only, lightly coat the ends of each bushing;
9. Install the control arm to the vehicle, it is recommended to install the bolts with the head facing away from the strut;

Important: Unlike OEM rubber bushings, SuperPro bushings pivot freely and so can be torqued without applying vehicle weight;

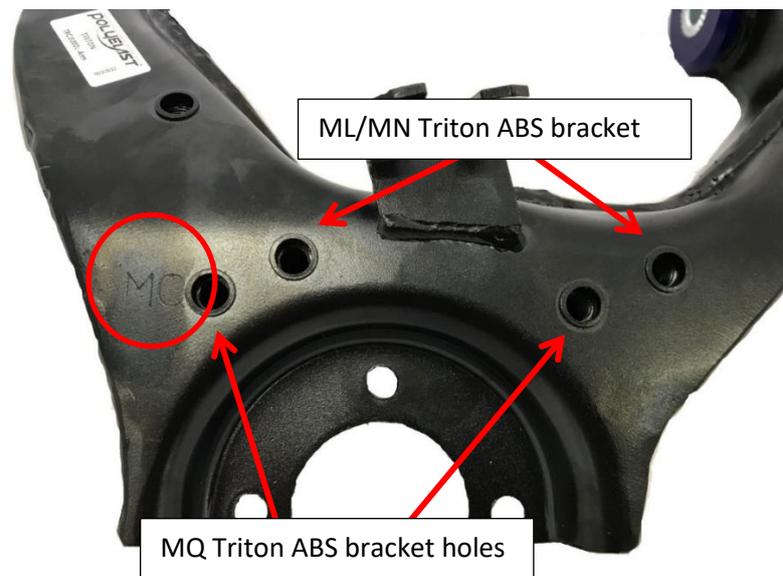


Figure 2

10. Remove the protective plastic cover and insert the ball joint stud into the spindle, install the supplied castle nut and torque to 110Nm. Tighten further until the supplied split pin can be installed;
11. Install the ABS bracket to new arm using appropriate mounting holes on arm (there are 2 set of holes, holes for MQ are marked with MQ while ML/MN holes are not marked (Figure 2));
12. **FOR TRC501 ONLY.** Install headlight sensor linkage to bracket on RH arm;
13. Re-install the tyre and wheel assembly. Lower vehicle and measure the clearance between the droop stop on the arm and the chassis as well as Centre-hub to guard measurements.

DISCLAIMER: There must be at least 30mm of clearance between the droop stop and the chassis at ride height, otherwise, warranty may not be honoured. See figure 3 for example of measurement.

14. Record the previous measurements, as they will be required during any warranty claims.
15. Check the alignment settings.



Figure 3