

Fitting Instructions #1659IS

Nissan Skyline, 300ZX / INFINITI Infiniti Q45

Control Arm Upper Inner / Outer Kit

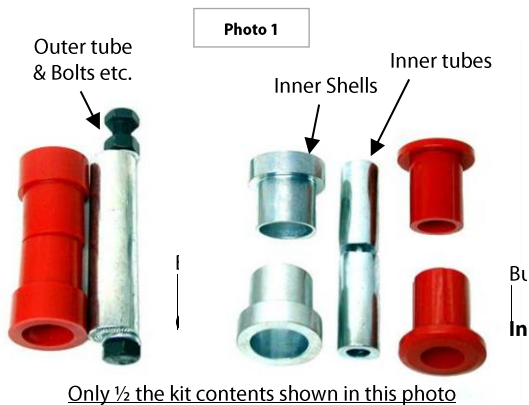


Photo 1 – Kit contents and part numbers references to the location of the parts in the arms.

Jack the vehicle and place on a floor stand. Remove the front wheels and unbolt and remove the top control arm and inner support.

Mark inner and outer positions on the arm before removing inner support bracket etc.

Photo 2 – Remove the inner support bracket, and with an air chisel, punch out the original bushes. There are four half bushes in each arm, which come out easily when driven from under the heads or from the inside out.

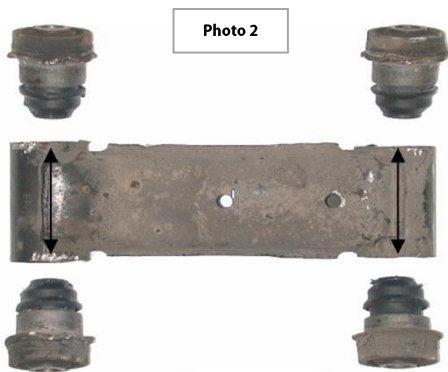


Photo 3 – Use 5mm diameter drill bit and electric drill, drill into the center of the arm making sure that you drill through the double thickness of steel, on the under side of the inner pivot end of both arms as per photo.

Special Notes:

- **300ZX & Infinity** - repeat this procedure on the outer pivot end of arms. (See Photo 6)
- **R32 & 33 Skyline** - repeat this procedure to the outer pivot end of arms by drilling through the topside of the outer arms. (See Photo 6)

Photo 4 – Using a hand tap M6x1, tap a thread into the holes that you have just drilled into the arms. Then clean arms and remove all steel burrs from each end of the arms.

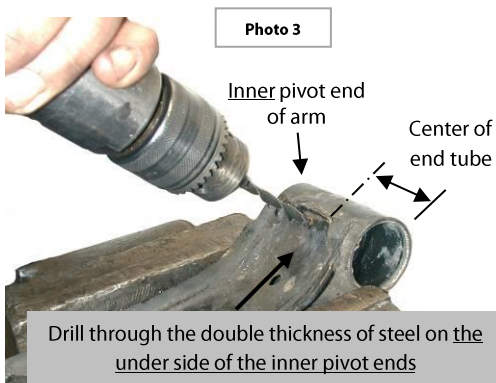


Photo 5 – Using a press, press the inner steel shells into the inner positions on the arms. Install the grease nipples as per photo. Lubricate all contact surfaces with grease and assemble the 1659 bushings and the threaded tubes in the outer position on the arm "A" and the 723 bushes with the 2 short tubes to the inner position on the arm.

The grease nipples allow you to lubricate the bushes after installation of the arms and this also ensures the bushes are lubricated correctly after the arm is installed.

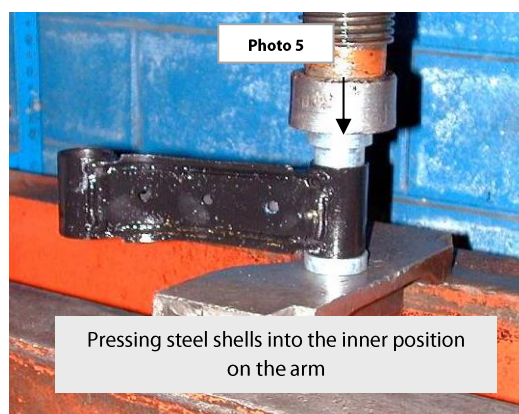
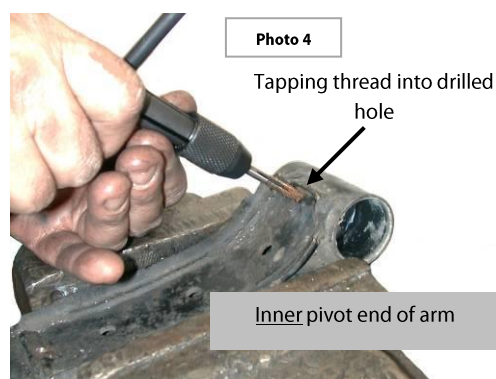


Photo 6 Location of the grease nipples on the outer end of the arm

Inner end of arm has shells, bushing's #723 & 2 x short tubes

Outer end of arm has Bushings # 1659 & offset tubes

R32 & 33 Skyline's
Outer grease nipples to top of the outer end of the arm



Note the inner grease nipple on all models is positioned on the bottom of the arm

300ZX (Z32) & Infinity
Outer grease nipples to bottom of the outer end of the arm



Photo 7 – Refit the arm to the inner support bracket and assemble into the vehicle. Torque all bolts to the manufacturers settings. On the outer tube fit the long bolt with the lock nut to the front side of the arm, and the short bolt to the rear side of the arm.

Repeat the procedure for the opposite side of the vehicle.

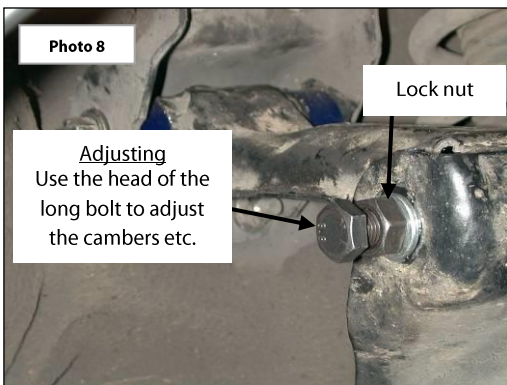
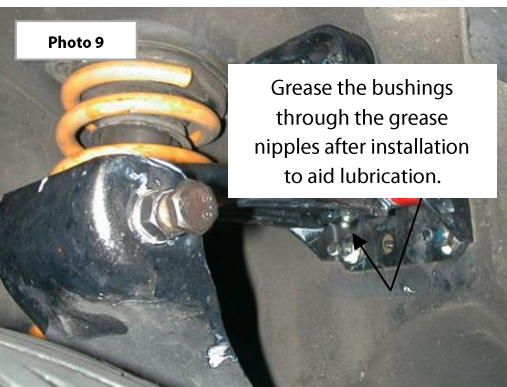


Photo 8 – After checking the camber it may be necessary to adjust the outer tubes to reach the optimum setting. To adjust this, loosen the rear (Short bolt) on the outer mount. Then loosen the lock nut on the front (Long bolt) and turn the head of the long bolt **clockwise only** until you reach the desired setting. It may be necessary to jack the vehicle to turn the adjuster, as the weight of the vehicle can restrict the tube movement. When the desired adjustment is reached tighten the front (Long bolt) lock nut and then the rear (Short bolt)

Photo 9 – Using a grease gun, grease the bushings through the new grease nipples to help with lubrication.



Our Test vehicles Wheel Alignment settings –

Approx.:-	LHS	RHS
Fr. Caster	+8deg	+8deg
Fr. Camber	-2deg	-2deg
Fr. Total Toe	+3mm.	

Total variance of the kit is +/- 1degree from the vehicles original settings.