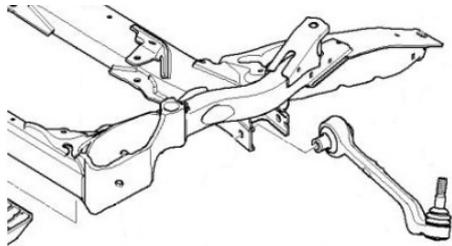


Fitting Instructions #ALOY0090IS

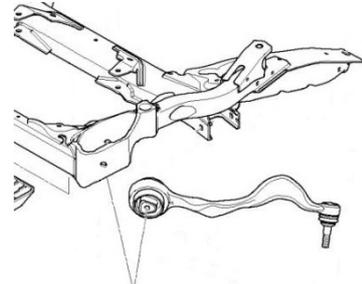
BMW 1 & 3 Series

Front Lower Control Arm and Radius Complete Replacement Castor Adjustable



Lower Control Arm

Left Hand Side View



Radius Arm

Note: Arms must be fitted to both sides of the vehicle.

- Wheel align the vehicle before the job is started and note caster and camber settings;
- Place vehicle on hoist and remove OE control arms and radius arms. If the vehicle has headlight sensors remove the ball clip from the sensor arm and set aside.
- The kit comes as complete arm replacement assemblies with all bushings ball joints, etc., installed the lower control arm is fixed camber increase with a Spherical lower inner joint and the Radius arm can be on adjusted on the car.
- Clean and deburr where necessary the pockets in the aluminium sub frame where the old arms sat.
- **Note Depending on the model refitting the lower control arms can be difficult due to the sub frame pocket being pulled slightly from when the control arms were originally fitted.**

To make this process easier the replacement lower control arms have a light press fitted washer preinstalled on the longer end of the Spherical joint tube and can be removed as necessary to aid fitment to the sub frame model dependant.

If the vehicle is an M3 or has had M3 lower control arms installed and are being replaced leave this washer in place. With all other vehicles pop this off using a screw driver or similar and discard. See Fig 1

- The arms are marked L & R (left and Right) reassemble as per reverse order and using multigrips or similar clip the headlight sensor rod onto the new ball stud on the left hand arm **See Fig 2**
- Wheel align vehicle and set castor to achieve desired result using images in **Fig 3** as a guide.
- Tension Lower Control arm Bolt: 68 N m +90 Degrees
- Tension Radius Arm Bolt: 68 N m +90 Degrees
- Tension both Radius arm and Lower control arm ball Joint Nuts at hub: 165 N m
- Any other nuts or bolts removed consult work shop manual for torque settings
- Re check Vehicle at 1000Km

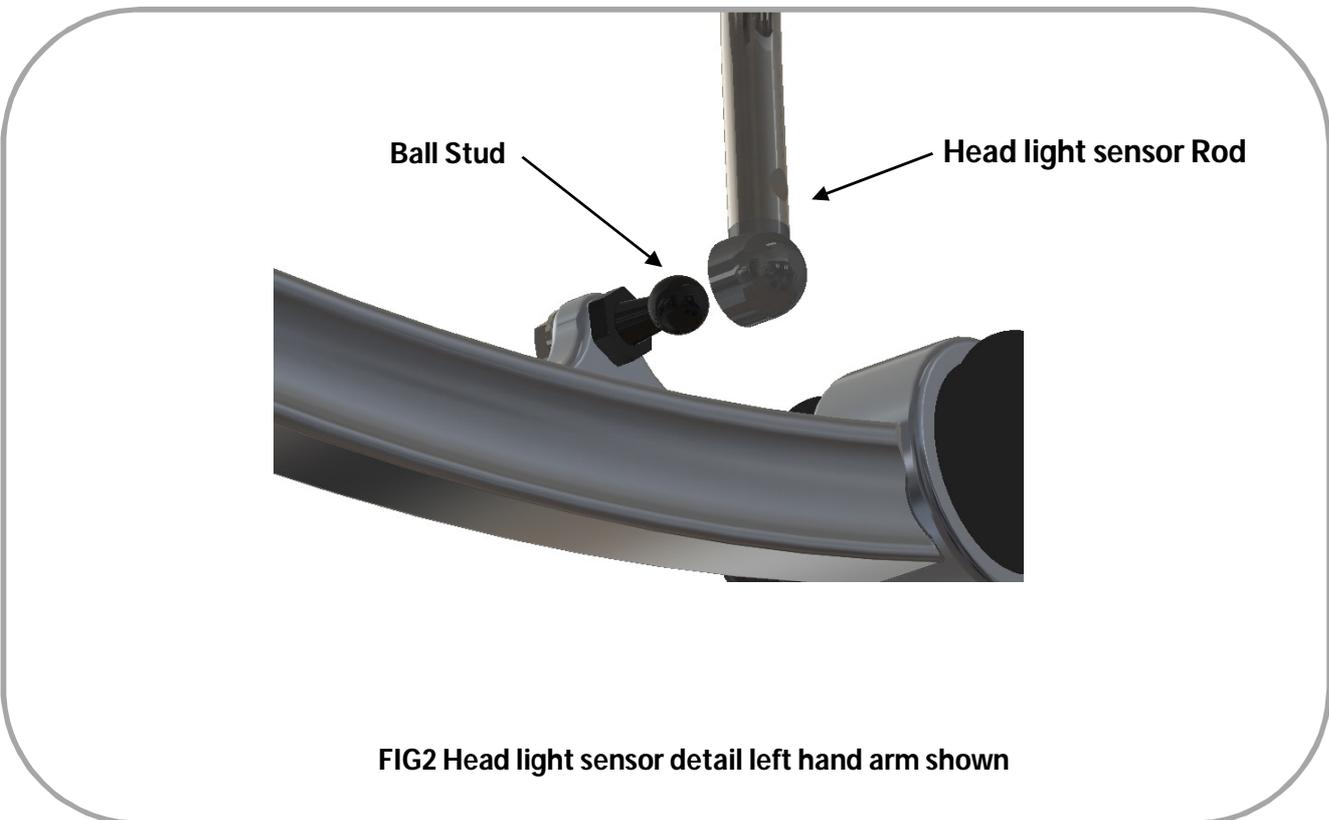
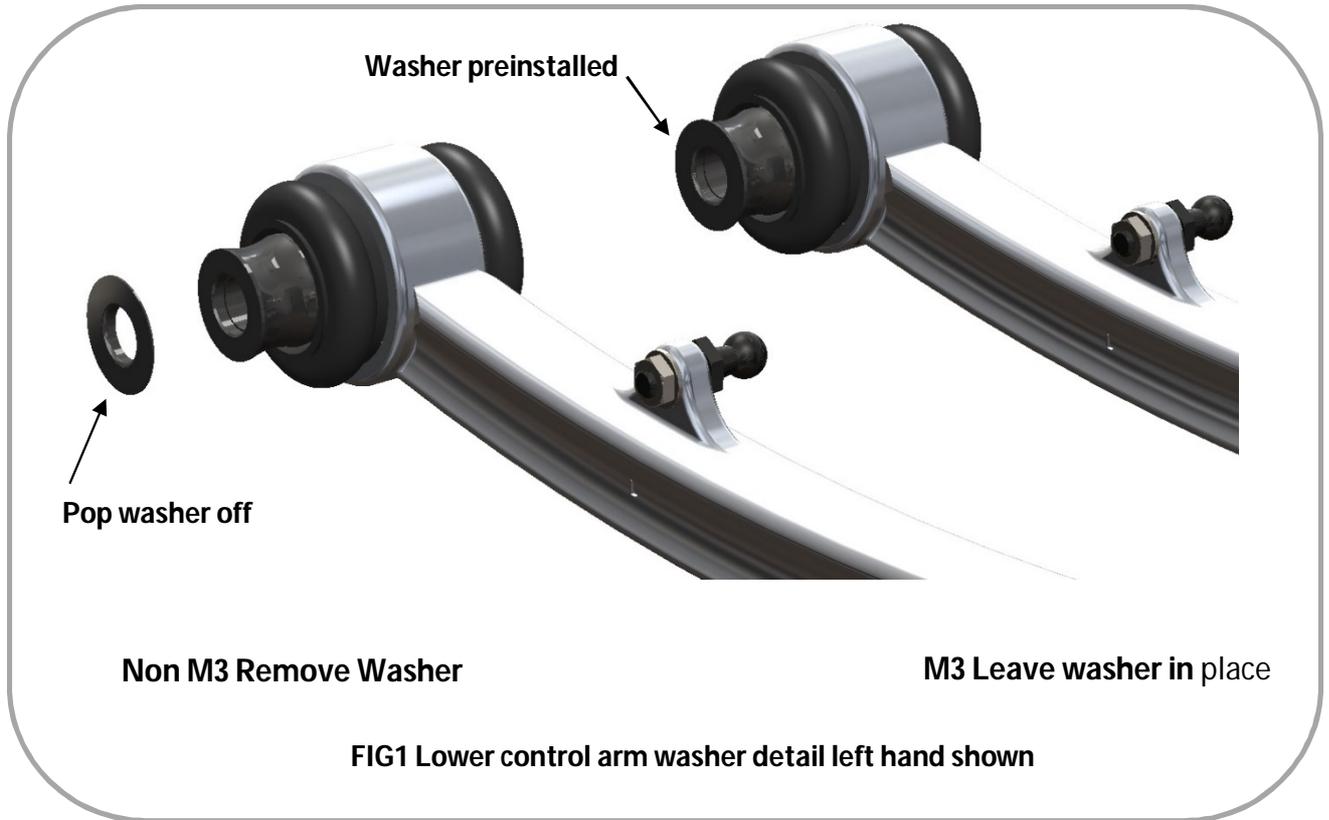
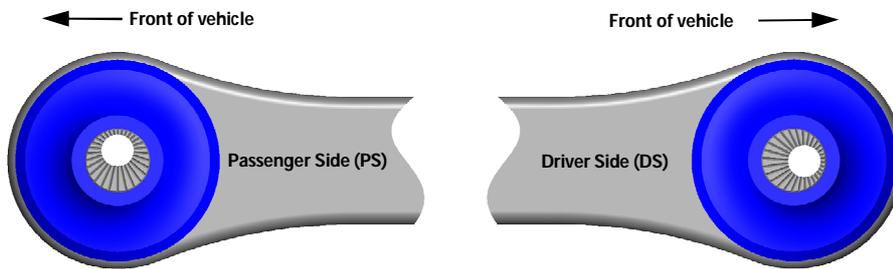
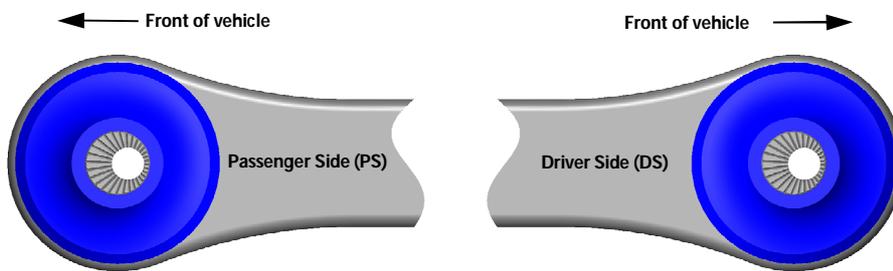


Fig 3

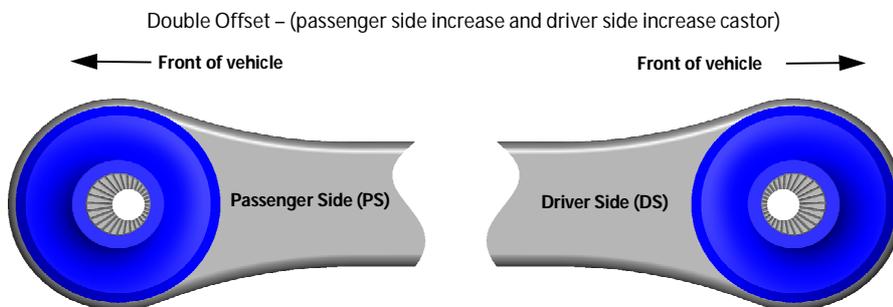
Mild Pull Left (for a vehicle driven on the left hand side of the road)



Strong Pull Left (for a vehicle driven on the left hand side of the road)



Performance settings (approx. 1 degree change)



Left Hand Side Shown

Slotted head of tube should face towards the rear of the vehicle

Fig 4 Radius Arm in chassis