

## ***MOUNTING INSTRUCTION Austin Healey Sprite, front (BugEye)***

### **FRONT: BOTTOM MOUNT**

- A. PULL EMERGENCY BRAKE AND LOCK REAR WHEELS.
- B. LOOSE FRONT WHEELS, LIFT THE CAR UP, AND SUPPORT WITH JACKSTANDS.
- C. REMOVE FRONT WHEELS.
- D. LOOSEN THE TWO BOLTS, WHICH HOLD THE LOWER SPRING PLATE TO THE FRONT A-ARM. **(DON'T REMOVE, JUST LOOSEN)**
- E. REMOVE ONE BOLT, (FRAMESIDE /INBOARD).
- F. PLACE THE NEW BOTTOM BRACKET AND LONGE SPACER ON TOP OF THE – A - ARM, REPLACE THE BOLT AND NUT WITH A NEW ONE SUPPLIED. TIGHTEN UNTIL METAL CONTACT.
- G. REMOVE THE WHEEL SIDE / OUTBOARD BOLT.
- H. INSERT THE SPACER AND ROTATE THE BRACKET OVER THE HOLE.
- I. REPLACE 2nd NEW BOLT AND NUT.
- J. CHECK SPRING CLEARANCE, PULL BRACKET AWAY FROM SPRING.
- K. TIGHTEN BOTH BOLTS TO 25 Nm / 19lbs.ft.

### **FRONT: TOP MOUNT**

- A. **SUPPORT THE LOWER CONTROL ARM** WITH A FLOOR JACK.
- B. REMOVE THREE BOLTS FROM THE AMSTRONG LEVER SHOCK.
- C. REMOVE OIL PLUG AND TAKE THE VALVING OUT. (BIG HEX HEAD, SEE PICTURE)
- D. REINSTALL OIL PLUG AND TIGHTEN, CHECK AND REFILL OIL.
- E. CHECK THE THREADS ON THE SHOCK TOWER (BAD THREADS MUST BE REPAIRED). \*
- F. **CLEAN THREAD WITH BRAKE CLEANER AND USE LOCTITE.**
- G. INSTALL THE ORIGINAL EQUIPMENT SHOCK WITH THE NEW BRACKET ON TOP USING THE OLD BOLTS.
- H. TIGHTEN ALL 3 BOLTS TO 40 Nm/30 lb.ft. **CLEAN THREAD AND USE LOCTITE**
- I. INSTALL BILSTEIN # **F4-BE3-E553-T0** AND TIGHTEN TO: TOP AND BOTTOM, 40Nm/30 lb.ft.
- K. INSTALL THE WHEELS AND SET THE CAR ON THE GROUND.

**RED = LEFT SIDE**

**GREEN = RIGHT SIDE**

**\*BAD THREAD CAN CAUSE FAILURE AND IS NOT COVERED UNDER WARRANTY.**

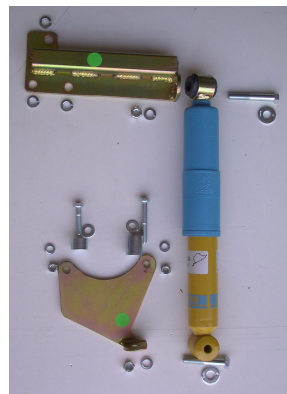
**\*\*IF YOU HAVE ADJUSTMENT PLATES INSTALLED, YOU MUST CHECK CAMBER, CASTER AND TOE.**



**Front right bottom**



**Front right top**



**Front assembly**

## ***Austin Healey Sprite, rear***

- A. LOOSEN WHEEL NUTS
- B. LIFT REAR AND SUPPORT WITH JACK STAND UNDER THE FRAME
- C. TAKE BOTH WHEELS OFF
- D. REMOVE REAR SHOCKS WITH LINK
- E. INSTALL THE TOP PLATE WITH SPACER AND ONE NEW BOLDT (44Nm/33 lb/ft)
- F. INSTALL THE REAR SHOCK **F4-BE3-E554-T0** TO THE TOP (44 Nm/33 lb.ft)
- G. USE THE STEPDOWN SPACER ON THE BOTTOM MOUNTING. (44 Nm/33 lb.ft)
- H. REINSTALL WHEELS AND LOWER THE CAR TO THE GROUND

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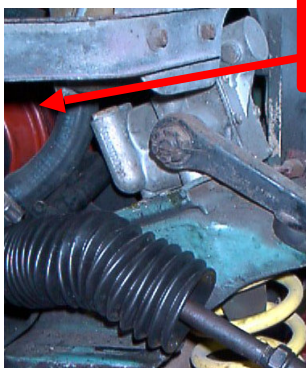
**Rear left top mount**



**Rear left bottom mount**



**Rear assembly**



**Front shock valve,  
remove here.**