

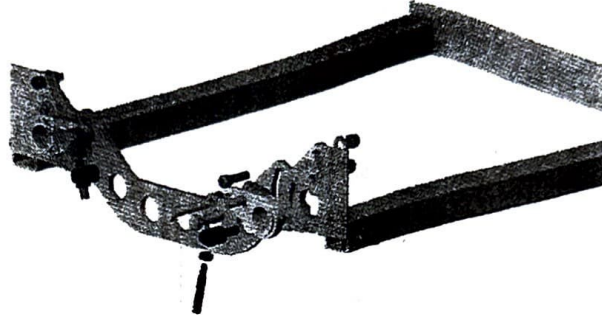
Part # LI-0056

## Instruction Sheet for Part Number 17-1524, Adjustable Torsion Bar Reaction Plate, Series I and II E-Type

### **Warning:**

- The following instructions must be used in conjunction with procedures detailed in the Jaguar factory workshop manual – these instructions do not cover the entire torsion bar removal and installation procedure.
- Ride height can only be adjusted with the car on jack stands and the wheels off the ground. Support the wheel to be adjusted enough to relieve the pressure on the adjuster socket. ***The adjuster socket is to facilitate adjustment only – it is not designed to accept the weight of the car or a loaded torsion bar.***
- All clamping bolts must be tight before vehicle weight is placed on torsion bars. The adjuster screws are not meant to carry the weight of the vehicle. Vendor accepts no responsibility for hardware broken as a result of faulty installation or not following supplied instructions.
- Due to corrosion or improper body repair – or both – many E-Types have partially collapsed bodies that will not accept the torsion bar reaction plate. Vendor will not accept returns of plates that have been ground or installed using the “sledge-hammer-into-place” method.
- You will be removing the torsion bars. There is a great deal of stored energy in them. Follow manufacturer’s service manual instructions carefully. **If you feel uncomfortable removing the torsion bars, entrust the job to a professional. Do not attempt this installation without first reading the manufacturer’s service manual; these instructions do not cover the entire torsion bar removal and installation procedure.**

## Torsion Reaction Plate 17-1524



### Introduction

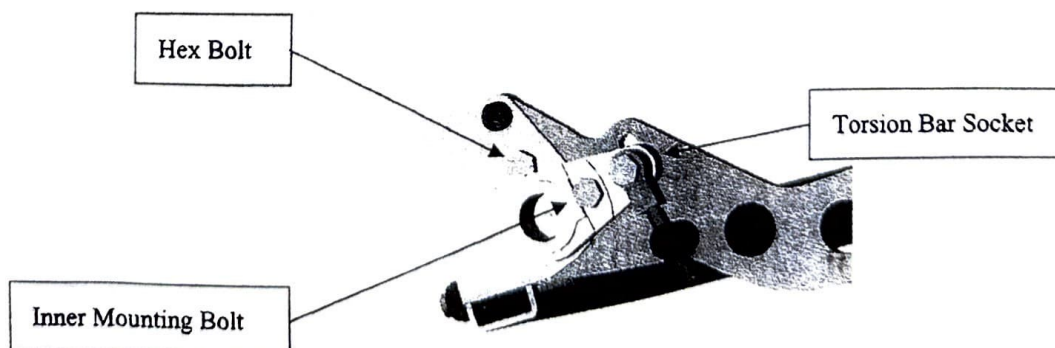
Torsion Reaction Plate allows unlimited ride adjustment of Jaguar Series I and II E-Types and proper corner weight adjustment for cars used for high performance street applications or racing.

### Cautions

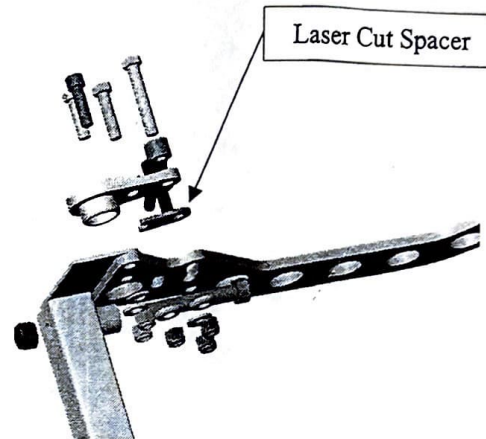
1. You will be working under the vehicle. Be certain the vehicle is properly supported.
2. You will be removing the Torsion Bars. There is a great deal of stored energy in the bars. Follow manufacturer's service manual instructions carefully.

### Installation Instructions

1. The Torsion Reaction Plate kit is shipped partially assembled with the fasteners in the correct position and orientation for installation.
2. Remove the vehicle Torsion Bars per the manufacturer's service manual.
3. Remove factory Torsion Reaction Plate Assembly and discard the fasteners (do not discard the torsion bar sockets).
4. Fit the Torsion Reaction plate. The sockets that pick up the frame rails should face the back of the car.



- a. The two  $\frac{3}{8} \times 1 \frac{1}{4}$  **hex** bolts should be mounted in the bottom mounting hole of the plate with the head facing the front of the car (as is shown in the picture). They should be oriented with the machined flat on the bolt head oriented to provide clearance for the Torsion Bar Ears.
- b. Test fit the inner mounting bolt and be certain that it clears the sub frame. Some minor grinding might be necessary to allow clearance for the bolt. Be certain that the ear can rotate to allow adjustment.
- c. Be certain that the laser cut spacer is installed between the Torsion Reaction Plate and the Torsion Bar Socket (see picture below).



- d. There is some difference in fit quality from car to car due to age and history. Install the entire Torsion Reaction Plate loose, tightening it up only after all of the fasteners are installed.
5. Install the Torsion Bar Sockets in the middle of their travel. Tighten down the Torsion Bar Sockets.
  6. Tighten the set screws against the adjuster socket and the jam nut against the adjuster nut.
  7. Re-install the torsion bars per the manufacture's instructions.

#### To Adjust The Ride Height

1. Raise and securely support the car. Support the wheel to be adjusted enough to relieve the pressure on the adjuster socket. **The adjuster socket is to facilitate adjustment only – it is not designed to accept the weight of the car or a loaded torsion bar.**
2. Loosen the bolts clamping the Torsion Bar Socket to the Torsion Reaction Plate.
3. Loosen the jam nut on the adjusting screw.
4. Tighten the adjusting screw to raise the car or loosen it to lower the car.
5. Re-tighten the Torsion Bar Socket and be certain that the adjusting screw is in contact (but not bound to) the adjuster socket. Remember that the Torsion Bar Socket should carry the load of the car. The adjusting screw should not.
6. Re-tighten the jam nut.
7. Lower the car and road test.

8. **Ride height can only be adjusted with the car on jack stands, the wheels off the ground and the wheel to be adjusted supported. All jam nuts must be tightened before vehicle weight is placed on the torsion bars. Failure to do so will damage the adjusting screws and associated hardware. Vendor accepts no responsibility for hardware broken or damaged as a result of faulty installation or adjustment.**