

Fitting Instructions: FAS100 Axle Stabilizer for Quarter-elliptic Springs



Please read all instructions thoroughly before proceeding. This is not a difficult kit to install, but requires care and planning to avoid setbacks and mistakes. It is strongly recommended that a "test-fitting" be done with all parts before any drilling is done. This will help to ensure proper fit and alignment.

Jack up the vehicle and support on stands using the recommended factory jacking points. Follow workshop procedure for spring removal in preparation for installing the axle anchor fitting (1). The installation of the tube assembly must be done with the rear springs loaded.

Chassis Hard Point Installation (Fig. 1):

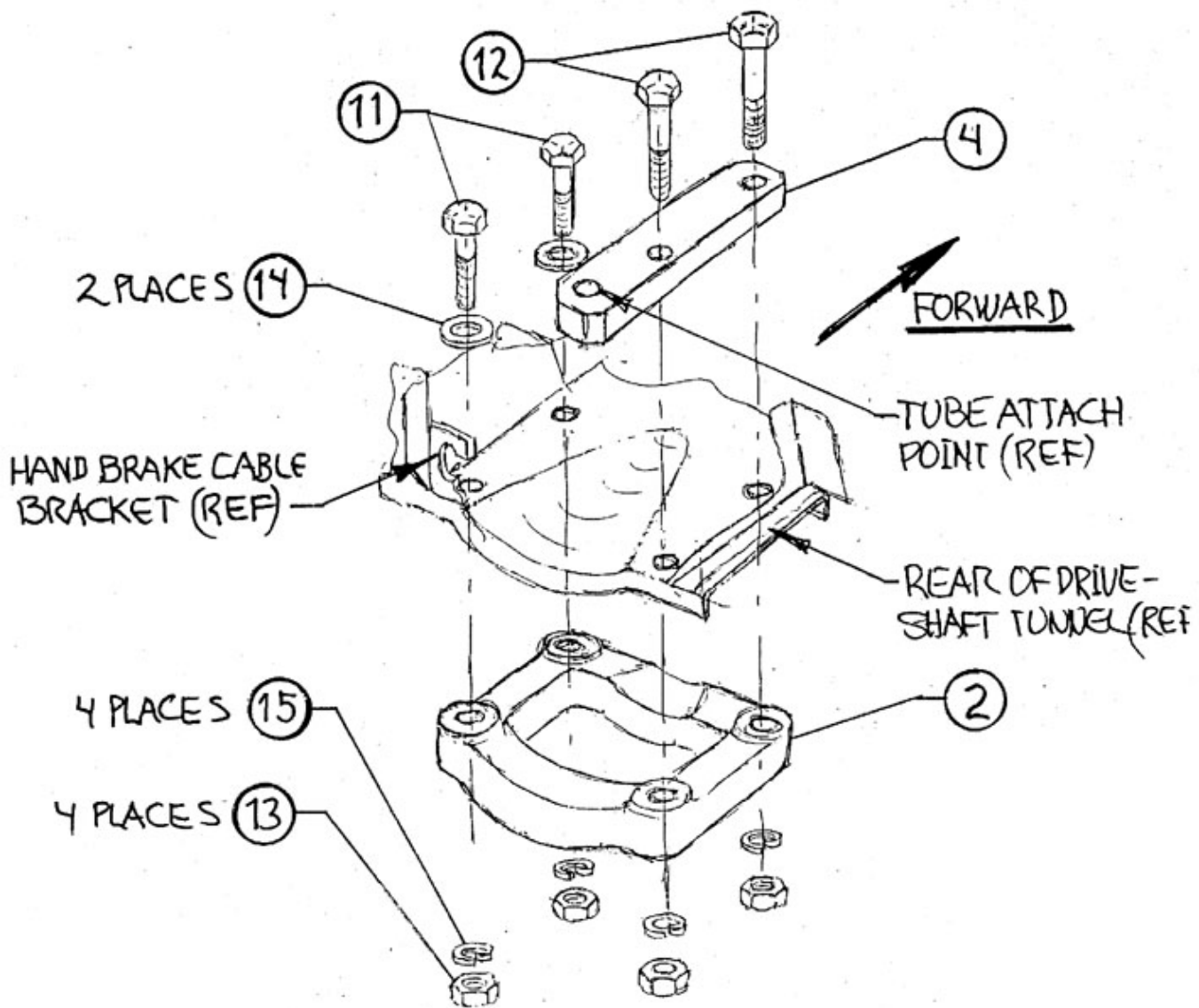


FIGURE 1
HARD POINT INSTALLATION

Back off the handbrake outer cable securing nuts and disconnect the cable from its support bracket. Secure the hand brake cable to avoid damage during drilling.

Center the 8S0011(2) Hard Point fitting on the underside of the driveshaft tunnel within the reinforcement member as shown in the diagram. Check that the left rearmost hole will clear the cable support bracket (the location of the bracket can vary from car to car). If interference will occur, drill an additional 3/8" diameter hole through the fitting 3/4" forward of the left rearmost hole as shown in figure 1A. Spotface or clear the surface surrounding this hole to provide a true surface for seating the attaching bolt.

Clamp in position and, using the fitting as a guide, drill four 3/8" diameter holes thru the chassis. Unclamp the fitting, de-burr the holes and apply paint or other corrosion protection as desired.

Slip the 8S0015 (4) pivot anchor inside the drive shaft tunnel and attach the hard point and pivot anchor fitting with two short and two long bolts, lock washers and nuts as shown. Torque to 300 inch-lbs.

Axle Clevis & Rod Installation (Fig. 2):

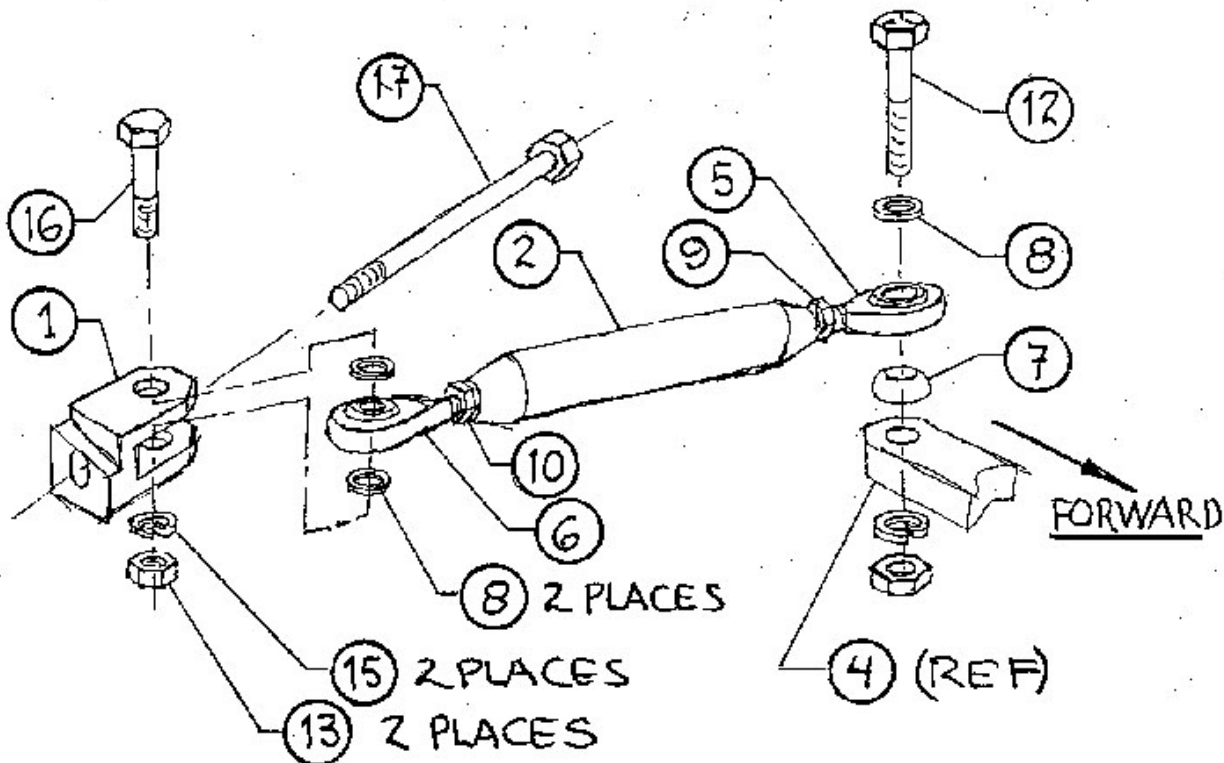


FIGURE 2
AXLE PICKUP & TUBE INSTALLATION
(QUARTER ELLIPTIC)

Remove the right rear road wheel and support the spring at the axle.

Remove the rear locating bolt retaining nut and drive out the bolt using a suitable drift or an old 7/16" dia. bolt to maintain alignment. Retain the nut and washers for later reuse.

Insert the 7/16" diameter AN bolt (17) through the 8S0041 Axle fitting and attach the fitting to the axle, making sure the step on the fitting is engaged with the locating tab on the axle fitting. Torque the fastener to 480 in-lbs.

Reinstall the road wheel and lower the car.

Run the jamnuts onto the rod ends and thread the rod ends and nuts into the 8s0012 Rod Assembly. Make sure both have about the same amount of thread exposed. The left-hand threaded fittings on the rod is the one with the groove around the tip and the LH threaded nut is the one with the grooves on the shoulders.

Attach one end of the rod assembly to the pivot anchor on the chassis with a long bolt, nut, lock washer and spacers, placing the spacers as shown in Figure 2. Tighten to 300 in-lbs.

Holding the free rod end against rotation, adjust the length of the rod assembly so that the free end can be attached to the axle pick-up fitting. Using a long bolt, attach the rod end, arranging the spacers as shown. Again, tighten to 300 in-lbs. Secure the rod assembly adjustment by tightening the jamnuts.

Kit #FAS100 (blk 3) Parts List

| <u>Ref No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Qty/kit</u> |
|----------------|-----------------|---|----------------|
| 1 | 8S0055 | Axle Fitting, 1/4 Elliptic | 1 |
| 2 | 8S0052 | Hard Point | 1 |
| 3 | 8S0012 | Rod Assembly, 18.7" | 1 |
| 4 | 8S0015 | Pivot Anchor | 1 |
| 5 | MM-6 | Rod End, 3/8" male, RH | 1 |
| 6 | MB-6 | Rod End, 3/8" male, LH | 1 |
| 7 | ST0006 | Spacer, tapered, 3/8" id | 1 |
| 8 | SR0806-01c | Spacer, 1/2" id x 3/8" od x 1/16", CRES | 3 |
| 9 | AN316-6R | Hex jam nut, 3/8-24R | 1 |
| 10 | AN316-6L | Hex jam nut, 3/8-24L | 1 |
| 11 | HF0614 | Hex bolt, 3/8-24x1.75", gr5 | 2 |
| 12 | HF0618 | Hex bolt, 3/8-24x2.25", gr5 | 4 |
| 13 | NP1061 | Hex nut, 3/8-24, gr5 | 6 |
| 14 | WS3061 | SAE Washer, 3/8" id | 3 |
| 15 | WL3061 | Lockwasher, 3/8" id | 6 |
| 16 | AN7-35A | AN bolt, 7/16-20x3.06" grip range | 1 |