

S.U. AUF TYPE ELECTRIC FUEL PUMPS

MGB

DESCRIPTION

Diaphragm type pump is operated by electro-magnetic plunger controlled by adjustable contact points. Fuel flow direction is controlled by internal disc valves. Pump is located at forward end of fuel tank on right side. Pump should deliver about 1 pint of fuel in 30 seconds with a pressure of 2.3-3.8 psi.

NOTE — A fuel pump inertia (safety) valve is located in the engine compartment next to the brake master cylinder. This cut-off valve is activated in the event of collision or roll-over. To reset, depress button on top of valve.

ADJUSTMENTS

CONTACT PLATE POSITIONING

- 1) Points are correctly positioned when they contact each other on the center of the curved point and wipe across evenly.
- 2) Lower rocker points. Check that contact plate on top of pedestal rests on narrow pedestal bridge. Contact plate should be square with rocker points. Contact plate points should be slightly forward of rocker points.
- 3) If adjustment is required, use contact plate attaching screw to adjust to proper position.

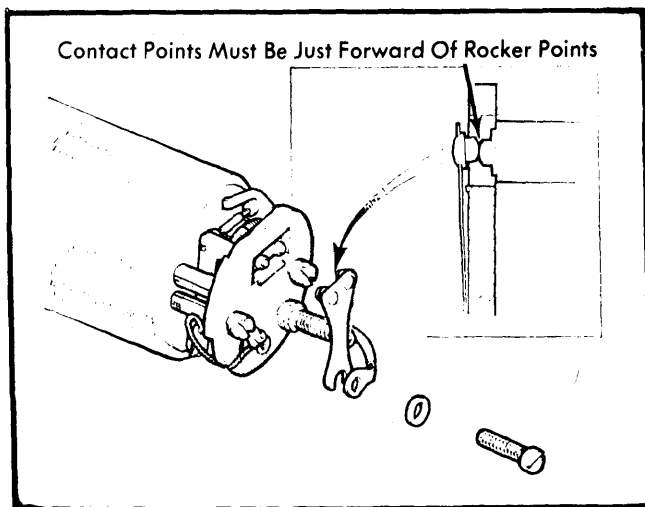


Fig. 1 Correct Contact Point Alignment

SETTING CONTACT GAPS

- 1) Ensure rocker points are touching contact plate points. Measure distance contact points are pushed (lifted) above pedestal when cycled. Lift should be .035" (.9 mm).
- 2) Adjust by bending upper rocker finger beneath pedestal.
- 3) Now check gap between lower rocker finger and housing. Gap should be .070" (1.8 mm). To adjust, upper rocker finger may again need to be bent. **NOTE** — Both adjustments require bending same upper rocker finger. Be careful because this finger is used to set both adjustments and they must be proportioned correctly.

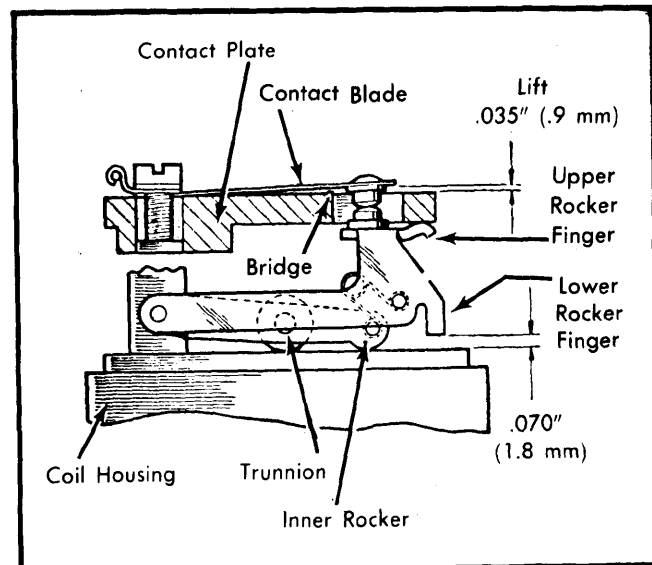


Fig. 2 Adjusting Contact Gaps

REMOVAL & INSTALLATION

FUEL PUMP

- Removal** — 1) Disconnect battery. From inside trunk, remove retaining screws and take off fuel pump guard.
- 2) Loosen clamp retaining pump in supporting rubber insulator. Disconnect electrical terminal from pump.
- 3) Working under car, disconnect inlet and outlet lines, breather pipe and electrical connection. Remove pump from support.

Installation — Reverse removal procedure, ensuring that pump tubing connections are fitted at the proper angle.