

Informacja Serwisowa

Tie Rod Brake Boosters

Nr informacji:	Informacja dla:	Typ informacji:
020.013	<input checked="" type="checkbox"/> Wszyscy	<input checked="" type="checkbox"/> Instrukcja montażu
Od: APPM/TF	<input type="checkbox"/> Zewnętrzna (warsztat/dystrybutor)	<input type="checkbox"/> Instrukcja obsługi
Data: 19.06.2015	<input type="checkbox"/> Wewnętrzna (RSO, NSO, HQ)	<input type="checkbox"/> Karta katalogowa/specyfikacja
	<input type="checkbox"/> ATE Centrum Hamulcowe	<input type="checkbox"/> Aktualizacja oprogramowania

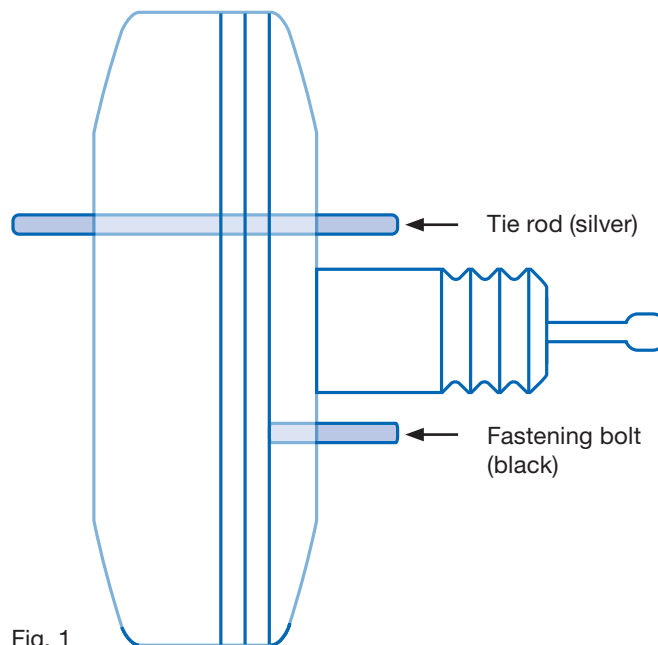
Subject: Handling and Fitting of Tie Rod Brake Boosters



Risk of permanent damage through incorrect handling

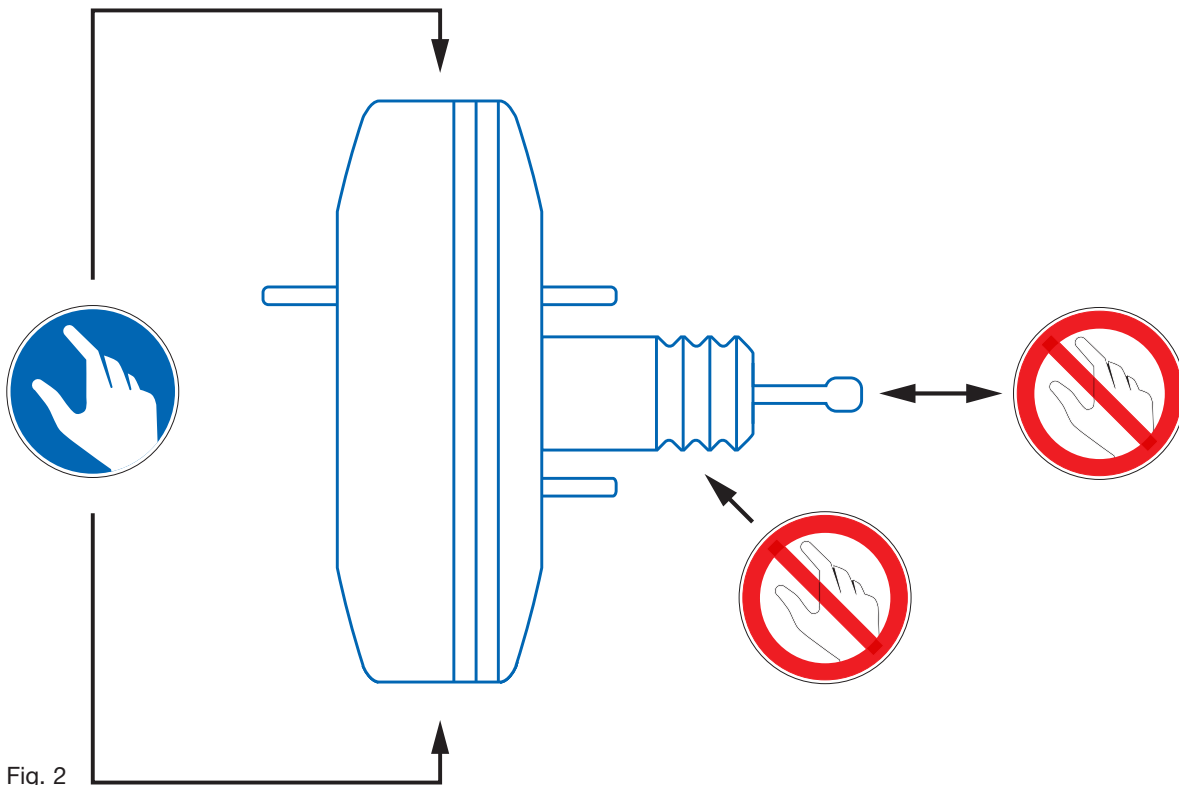
Description and design

- Alongside conventionally designed brake boosters, brake boosters with a tie rod attachment are also popular (Fig. 1).
- With this design type, the tractive power is not transferred via the housing shells but rather via special bolts (tie rods) which penetrate the complete unit including diaphragm and diaphragm plate.
- This design permits the housing to be constructed with significantly thinner walls and from other materials (aluminum, polymer), thus reducing weight considerably. In addition, expansion of the housing is avoided.
- So-called "front-bolt units," which feature hollow tie rods, have been designed for certain vehicle assembly concepts. For assembly on the bulkhead, the fastening bolts are inserted through from the engine compartment side and tightened.



Handling and assembly

- The brake booster may only be touched and carried by the housing (Fig. 2).
- Do not pull or carry the unit by the piston rod.
- When dismantled, the piston rod must not be subjected to any tensile or compression load. Damage to the protective cap and inner mechanisms can otherwise occur.



- Do not remove the protective cap.
- During assembly of the brake booster, make sure the flange surfaces are flushly fitted at the front wall, pedal box, and brake booster. Contamination and foreign matter can lead to tension and damage to the brake booster.
- When bolting the unit on the pedal box, start with the locking nuts of the silver tie rods; then tighten the locking nuts of the black fastening bolts and tighten the unit evenly. (Heed torque value.)
- The master cylinder must not be assembled and replaced when the unit has been removed. The brake booster must be firmly bolted to the pedal box and vehicle bulkhead during replacement. (Heed torque values.)

Safety instructions

- Tie rod brake boosters which have been damaged during transport and handling are unusable and must be scrapped.
- Repair or replacement of individual components is not possible.

The repair data and assembly instructions of the vehicle manufacturer always apply.