

The Elan Factory – Product Data Sheet



Tandem brake master cylinder

The original tandem brake master cylinder (Lotus part number 050J6040) fitted to the Federal specification Lotus Elan +2 have been obsolete for many years. A similar master cylinder was also installed in the Lotus Elan (Lotus part number 036J6061) is also obsolete. This situation leaves Elan owners with few choices as to what to fit as a suitable replacement.

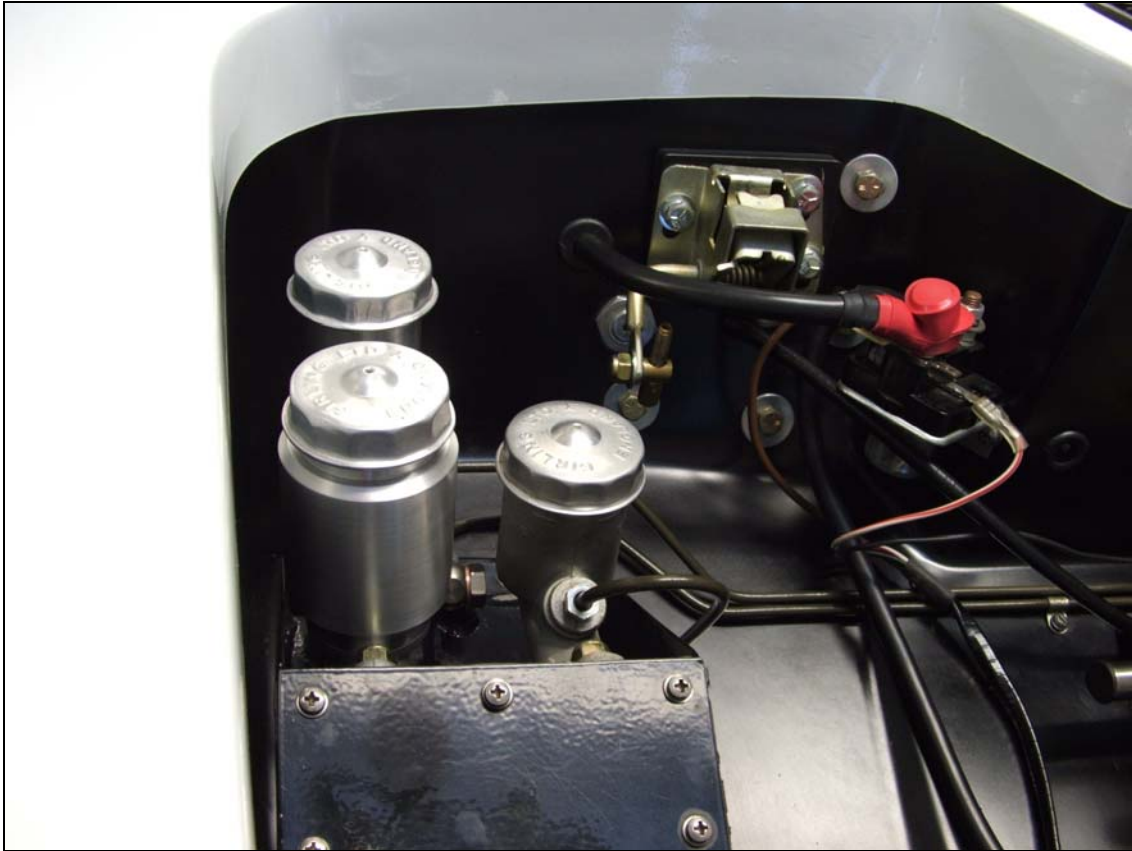
After some resourceful engineering, The Elan Factory is pleased to offer this remanufactured component as a replacement part. This same tandem brake master cylinder also proves to be very useful in race car installations. By installing this unit it is possible to split the brake system and install a brake bias control valve in the rear hydraulic system. This arrangement then allows drivers to dial in the amount of brake bias to suit their preference. This unit may easily be installed in a Lotus Elan, Lotus Elan +2 or Lotus Seven.



- Weight - 950 grams
- Overall length – 185.0mm (7.280 inches)
- Height – 110.0mm (4.33 inches) bore centre line to top of reservoir cap
- Bore diameter – nominal 17.5mm (0.7 inch)
- Plunger travel – 16.0mm (0.625 inch)
- Main body material – Aluminium alloy
- Reservoir material – Aluminium alloy
- Brake pipe fittings – standard 3/8 UNF
- Fixing bolts – 5/16 UNF
- Fixing bolt pitch circle diameter – 56.6mm (2.230 inches)
- Reservoir cap – plastic screw cap or aluminium alloy

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This master cylinder has been carefully selected to provide the correct pedal response and subsequent pressures. The reservoirs have been designed to facilitate ease of installation. In addition to this, reservoir volumes have been calculated and then measured to provide the correct amount of hydraulic fluid plus a safety margin.



Installation of the tandem brake master cylinder is straightforward, and minimal modifications are required. It is recommended that the braking system should be split, with the two forward brake calipers connected to the forward hydraulic connection and relevant reservoir. The two rear brake calipers should then be connected to the rear most hydraulic connection and relevant reservoir.

The brake master cylinder is supplied ready for immediate installation and comes with the following components.

- 3/8 UNF banjo bolts - nickel, quantity 2
- 3/8 banjo fittings - nickel, quantity 2
- 3/8 copper washers, quantity 2
- Plastic caps for the reservoirs, quantity 2

Other options available for this brake master cylinder include alloy reservoir caps (Girling original equipment) and alloy remote mounted hydraulic fluid reservoirs. Please enquire for pricing and availability.

**For further information regarding brake components, please phone The Elan Factory on (613) 9761-1903 or fax on (613) 9739-8944. Alternatively you can write to The Elan Factory at 5 Marong Court, Boronia Heights 3155, Melbourne, Australia
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