

The Elan Factory - Product Data Sheet



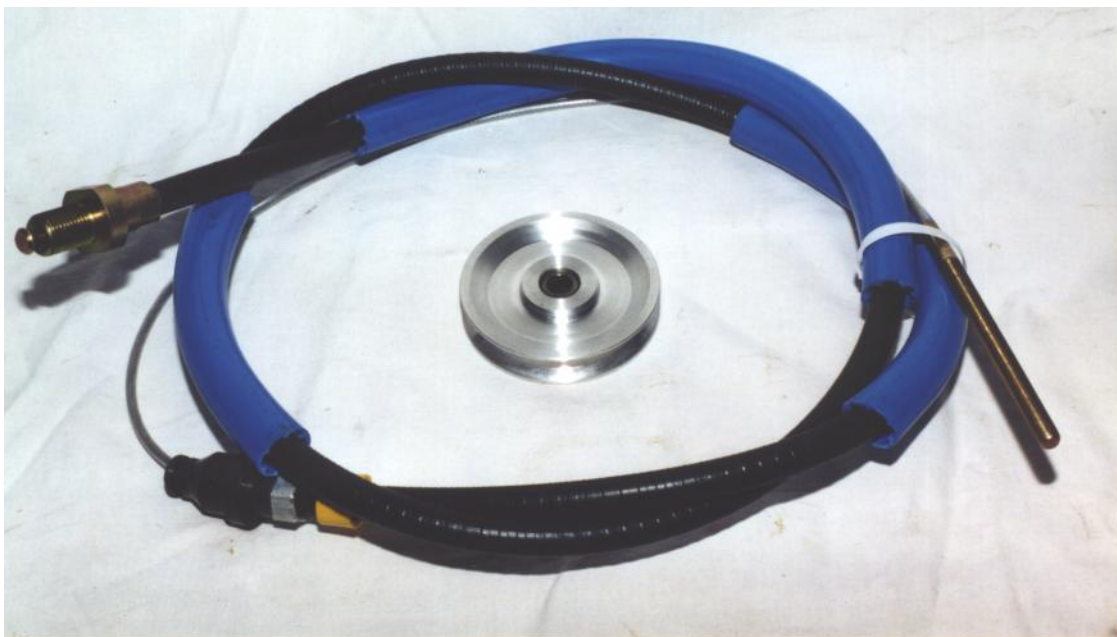
Lotus Elite and Eclat clutch cable kit

The original clutch cable (Lotus part number B075Q0050F) has plagued Elite and Eclat owners with continuous reliability problems for years. This problem usually results in the inner clutch cable snapping inside the peddle box. Understanding this problem requires that the original design and components be scrutinised.

The clutch operation is reliant on a flexible multi-strand cable transmitting sufficient force from the clutch peddle to the clutch lever arm. One end of the inner cable is secured directly to the clutch peddle and then passes over a nylon pulley which is anchored to the peddle box by a clevis pin. As the cable exits the peddle box, it loops around the pulley nearly 180 degrees before entering the armoured outer cable casing. The cable then is routed down to the bell housing and lever arm where it is secured.

On inspection of subsequent failures, it has been determined the original design and components are flawed. The original cable is of poor quality construction and increases the drag or friction load on the inner cable. The Elan Factory offers an inner flexible cable that has an external nylon sheath. In addition to this the external armoured cable is offered with an internal nylon sheath. The combinations of these two superior constructed cables help to reduce cable friction and provide a lighter clutch peddle operation.

The original design is poorly executed as the pulley is too small and is constructed of nylon which drags on the clevis pin fixing point. The constant operation of the clutch inner cable over such a small diameter pulley and acute transition eventually causes the cable to fatigue. To help alleviate this design problem, The Elan Factory offers a larger diameter pulley manufactured from high tensile aluminium. The pulley also incorporates a needle roller bearing to further reduce rotational drag.



Installation of this clutch kit is straightforward, as no modifications are required. The new alloy pulley should be installed with the original 5/16" diameter clevis pin providing it is serviceable. Once the cable has been installed, it should be adjusted on the threaded rod located at the clutch lever arm. Be sure to check the clutch is adjusted and operates correctly before taking the vehicle on the open road.

For further information regarding clutch components, performance products or genuine Lotus products, 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 or e-mail at elanfactory@optusnet.com.au