

# **SECURITY BRACKET**

Material:- Cold rolled, plain low carbon steel, aluminium killed.

The Cover is used to protect an engine fuel injection module. The objective of the cover was to survive a certain amount of time (i.e. 5 minutes), from attack by a thief using tools that can be carried in a small personal holdall. Typically, these being hack saws and battery powered drills. The unit was mounted in the engine compartment making it difficult to hammer and chisel.

Cont.....

# **SECURITY BRACKET (cont)**

If the whole unit was destroyed during attack, the car would automatically become immobilised. Originally, the Bracket was specified to be case hardened, but, was rejected due to distortion, especially the legs and lugs, thus making it difficult to be mounted in the engine. Tests conducted at a University in France using high speed cameras were conducted to monitor behaviour during drill test. A Nitrotec treatment was developed to give resistance to the drill test with producing distortion.

