

RG10600

Locking Wheel Nut/Bolt Removal Tool Kit

Applications:

Removes a wide range of locking wheel nuts and bolts including hardened steel 'McGard' style face grooved nuts and bolts.



Kit Content/Spares



Item	Ref	Description
1	1	Tool Body with Shroud and Spring
2	2	Impact Socket
3	3	Impact Driver
4	4	Key 'A' – Small
5	5	Key 'B' – Medium
6	6	Key 'D' – Large
7	7	Centre Punch
8	8	Hand Protection Pad
9	9	Retaining Spring
10	10	Key 'C' – Mouldable Key

Note: Key C is available in packs of 10 pieces, part number: RG10602

WARNING: Ensure that safety is observed. Eye protection must be worn when using this tool kit. Vehicles must be safely supported.

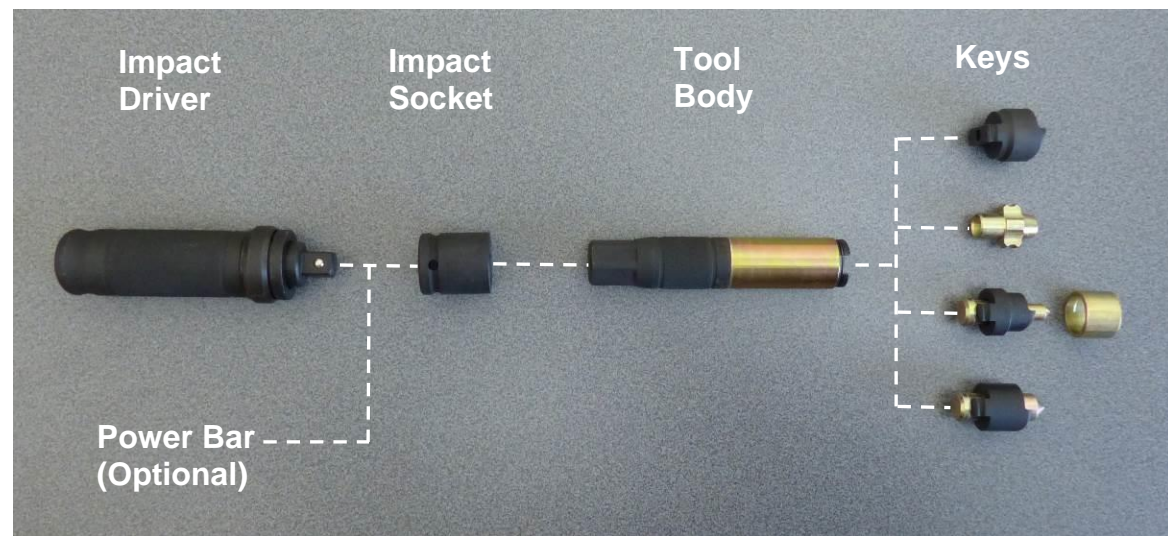
Introduction

RG10600 Locking Wheel Nut/Bolt Removal Kit is designed to remove a variety of locking wheel nuts or bolts when the original key is not available.

The process is simple; select the appropriate key, assemble the tool as required then use the impact driver or a power bar with the impact socket to loosen and remove the nut.

RG10600 removal kit can also be used to remove damaged hex nuts and bolts when it is not possible to use a standard socket.

Assembly Diagram



Selection and use of the keys

RG10600 contains 3 cutting keys (Keys A, B and D) and 1 double ended mouldable key (Key C).

The cutting keys bite into the locking wheel nut/bolt to grip it.

The mouldable key will reform to match the groove form in the face of the security bolt enabling removal of all locking wheel bolts from a vehicle using only one key.

Selection and application of the correct key is essential to ensuring successful removal of the locking wheel nuts / bolts.

All keys are consumable items and available to order as replacement parts.

- Key A, Key B and Key D are designed for repeated use, but like any cutting tool they will wear. Worn keys can be dressed using a file to restore the form of the cutting blade and extend the life of the tool.
- Key C is a single use item for use on all wheel nuts/bolts of one vehicle. If the key has been moulded to suit a wheel nut/bolt form it must not be remoulded for use on a different nut/bolt.

Key A and B and D

Keys A (Small), B (Medium) and D (Large) are designed to bite into nuts and bolts, and when used in conjunction with the impact driver will also provide a rotational force to loosen the bolt.

Key A - Small



**Centre punch nut/bolt.
Use Tool body + Impact
Driver + socket to release
nut/bolt.**

Key B - Medium



**Centre punch nut/bolt.
Use Tool body + Impact
Driver + socket to release
nut/bolt.**

Key D - Large



**Use Tool body + Impact
Driver + socket to release
nut/bolt.**

Using Key A or Key B



Punch mark the centre of the nut/bolt face to aid location of the tool when using Key A or Key B. Position the punch centrally on the nut/bolt and strike it cleanly with a club hammer to leave an indentation.



Install the appropriate key into the tool body, then lock it in place by sliding the shroud forward to cover the retaining spring. The central guide pin is now spring loaded. Key A features a removable guide sleeve that can be used if required to aid centralisation of the tool on applications where the bolt is much smaller than the recess in the wheel.



Install the 24mm socket and the hand protection pad onto the Impact Driver, fit the driver assembly onto the tool. Locate the entire assembly onto the locking wheel nut/bolt. Strike the impact driver while applying pressure in a counter-clockwise direction.



The image above shows Key B and a locking wheel bolt after removal. The key has cut into the form of the locking wheel, while the impact driver has provided rotational force to successfully remove the wheel bolt.

Using Key D

Key D features a large bore that is suitable for larger Ford locking wheel nuts. The tool fits over the nut and bites into the face of the lock nut form.

The dot punch is not required for this wheel nut, the bore of the key will centralise the tool. This key must be used in conjunction with the impact driver to successfully remove the nut.



Using Key C

Key C is a mouldable tool suitable for face grooved hardened wheel nuts and bolts. It features two different keys, a large key at one end with a smaller key at the opposite end for improved fit on a wide range of wheel nuts/bolts.

Once moulded to suit the form of the locking wheel nut/bolt, this key can be used to remove all locking wheel bolts from one vehicle.

Key C is disposable, each end should be used for one vehicle only. This key can be used with the impact driver, a power bar may enable a more controlled removal of the nut/bolt.



Notes:

Keep the tool square to the nut/bolt during use, misalignment will reduce the effectiveness of the tool.

Always wear eye protection when striking the tool body or impact driver.

Remember to use the hand protection pad to prevent injury caused by foul blows of the hammer.

All keys are consumable items and available to order as replacement parts.

- Key A, Key B and Key D are designed for repeated use, but like any cutting tool they will wear. Worn keys can be dressed using a file to restore the form of the cutting blade and extend the life of the tool.
- Key C is a single use item for use on all wheel nuts/bolts of one vehicle. If the key has been moulded to suit a wheel nut/bolt form it must not be remoulded for use on a different nut/bolt.

Wrapping tape around the outer shroud of the tool can assist in keeping the tool centralised while also increasing protection for the alloy wheel.