Safety Warnings - please read

- Wear eye and hand protection when using this tool kit.
- Always carefully clean the tool components after each use.
- Keep the tool components safe and tidy in the supplied case.
- Do not use the kit for any purpose other than for which it is designed.

Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

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92489_Instructions_V3

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Distributed by The Tool Connection Ltd
Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186.** Normal wear and tear are excluded as are consumable items and abuse.

Part No. 92489

POWER TEC™

Parking Distance Sensors Hole Cutter Set

Instructions

www.toolconnection.co.uk

Instructions

7. When the punch breaks through the material, unscrew the assembly, then withdraw the hole punch from the bumper panel (Figure 7), leaving a cleanly cut hole.

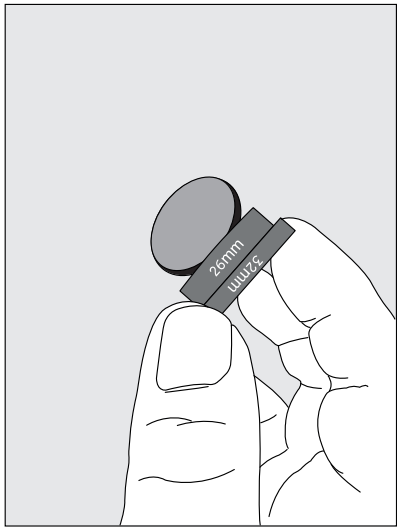


Figure 7

Precautions

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by Power-TEC for incorrect use of any of our products, and Power-TEC cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

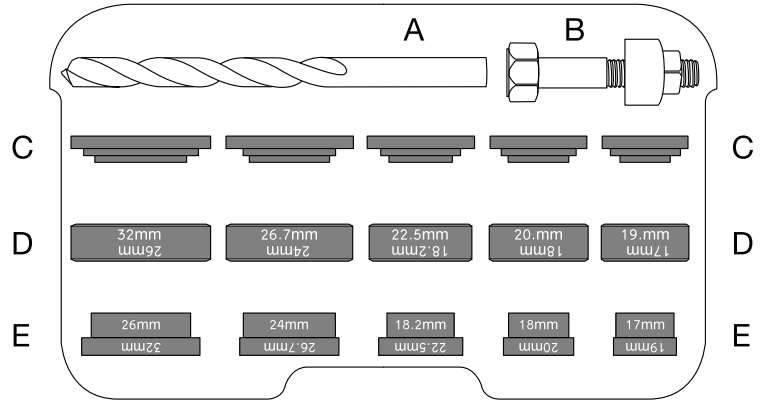
Introduction

This kit is designed for the operator to cut clean, accurately sized holes for PDC (Park Distance Control) sensors, for example, when fitting a new replacement bumper panel after accident damage. The kit includes a drill for the pilot hole plus hole punches for ten common sizes of PDC sensor holes: 17, 18, 18.2, 19, 20, 22.5, 24, 26, 26.7 and 32mm. Will cut through plastic up to 5mm in thickness.

Precautions:

- Refer to the manufacturer's documentation and PDC fitting instructions to determine the exact size and location of the hole for the PDC to be fitted.
- Be aware that facelift models may have the PDC units fitted in different locations; again, refer to the manufacturer's documentation for the location of the holes to be punched out (some bumper panels have location markings on the inner surface).

Components



A	**HSS Drill Bit Ø 5/16" (8.0mm)**
B	**Force Screw Assembly**
C	**Reaction Plates**
D	**Hole Dies**
E	**Hole Punches**

1. Refer to the manufacturer's documentation and PDC fitting instructions to determine the locations and exact size of the hole for the PDCs to be fitted (some bumper panels have location markings on the inner surface).

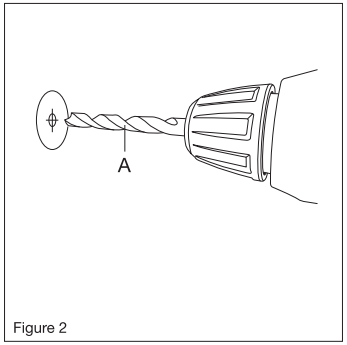


Figure 2

2. Drill pilot hole: refer to Figure 2: use the supplied drill bit (A) to drill through the centre of the marked location position. Wear eye protection when drilling.
3. The five sets of reaction plates (C), dies (D) and punches (E) supplied will enable ten different hole sizes to be punched. Once the diameter of the hole has been decided, choose the correct reaction plate, die and punch for the specified hole size.

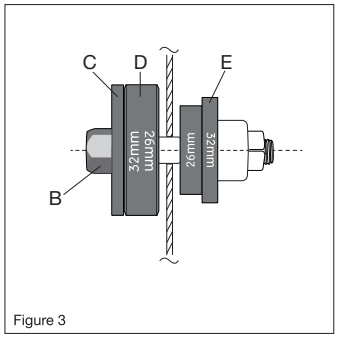


Figure 3

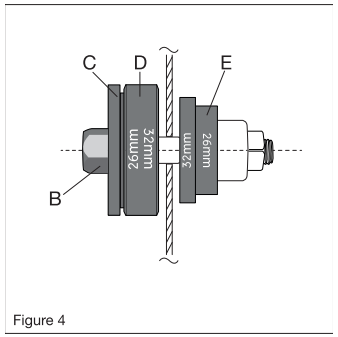


Figure 4

4. Assemble these components through the pilot hole as shown in either Figure 3 or 4. Refer to the markings on the die and punch; ensure that the desired hole size dimensions are facing each other, for example for a 26mm hole, the 26mm die faces the 26mm punch; for a 32mm hole, the 32mm die faces the 32mm punch, etc.

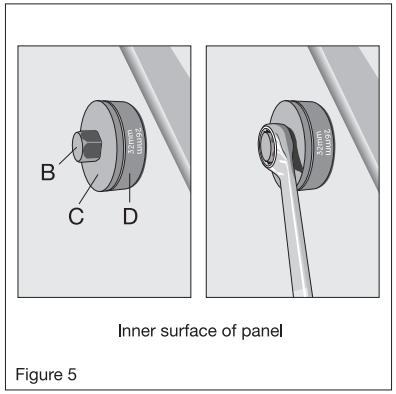


Figure 5

5. Refer to Figure 5: on the inner surface of the panel use a 12mm socket or spanner to hold the force screw steady.

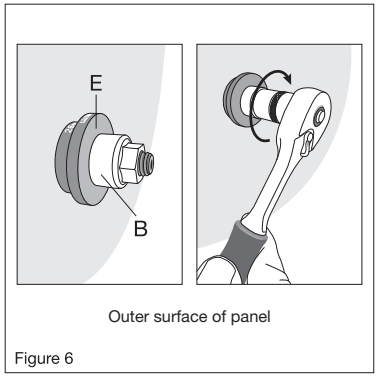


Figure 6

6. Refer to Figure 6: use a 12mm socket or spanner and tighten force screw nut clockwise to force the hole punch through the bumper panel material.