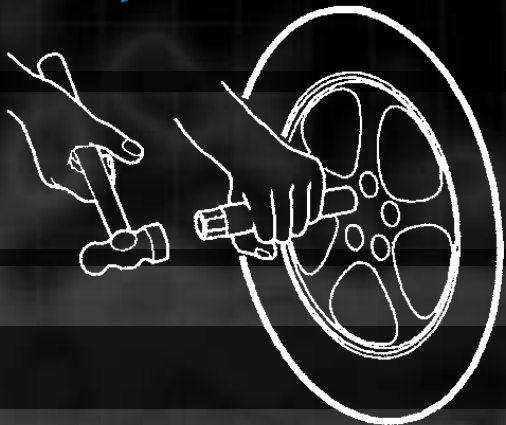


LOCKING WHEEL



NUT REMOVER

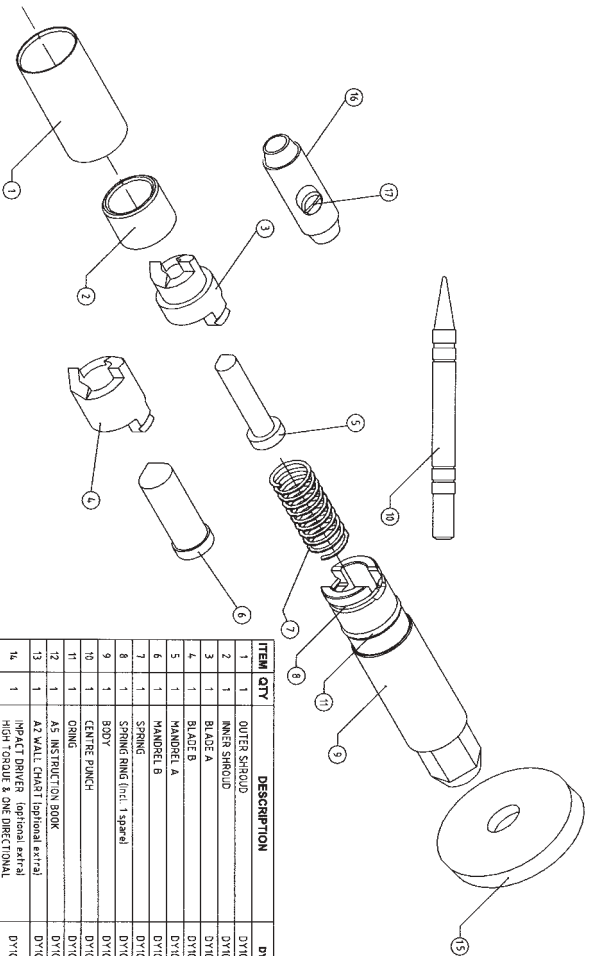
Instruction Guide

WARNING

Eye Protection MUST Be Worn!

DO NOT SCALE

ITEM QTY	DESCRIPTION	DYNAMIC STOCK No.
1	1 OUTER SHROUD	DY1001
2	1 INNER SHROUD	DY1002
3	1 BLADE A	DY1003
4	1 BLADE B	DY1004
5	1 MANDREL A	DY1005
6	1 MANDREL B	DY1006
7	1 SPRING	DY1007
8	1 SPRING BUSH (incl. 1 spacer)	DY1008
9	1 BODY	DY1009
10	1 CENTRE PUNCH	DY1010
11	1 ORING	DY1011
12	A5 INSTRUCTION BOOK	DY1012
13	A2 WALL CHART (optional extra)	DY1013
14	1 IMPACT DRIVER (optional extra) HIGH TORQUE & ONE DIRECTIONAL	DY1014
15	1 Hand Protection Ring	DY1015
16	1 BLADE C	DY 1016
17	1 Pin, for blade C	DY 1017

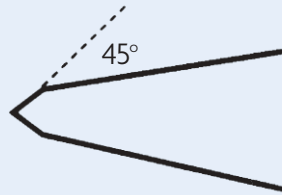


Patented Tool

Redressing Worn/Damaged Blades & Centre Punch

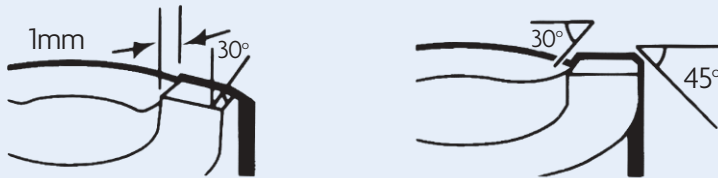
Centre Punch

Grind as indicated taking care not to overheat in process



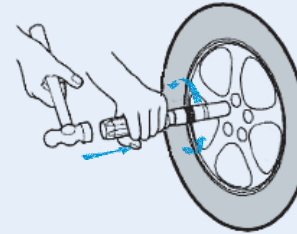
Blades A & B

Use hand file only and maintain angles as indicated



(B)

push in & twist

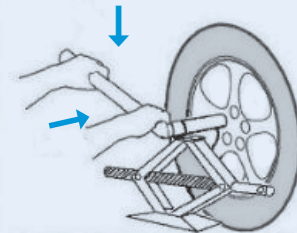


USING AN IMPACT DRIVER

Using the Impact Driver in the approved manner, ensure the Blade is still located into the 'grooves' apply inward and anticlockwise-rotation pressure to the Impact Driver before each strike with a 1kg/2lb hammer.

Only use the one directional high torque impact driver recommended.

(C)



USING A BREAKER BAR

Breaker Bar - Push in and down. If the tool slips recut and try again.

TIP - Support the tool with a small jack, get someone to push down on the bar, at the same time you hold-push the tool to the wheel.

Do not lift the tool with the jack!

REMEMBER - It's easy if you are doing it right! Simply - DRIVE IN/TWISTOFF

(A)

USING AN AIR WRENCH

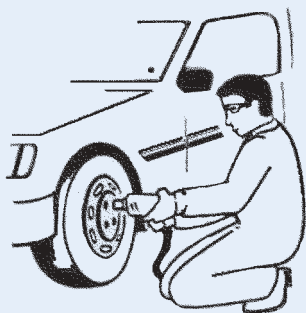


When you are using an air wrench, to have the car on a ramp is the best option. This will allow you to push forward with your body weight.

TIP - *Push as hard as you can!*

You need to keep the tool in line with the wheel.

Do not lift or push down when using air wrench. If the tool slips out, you need to look at the nut and try again. Make sure that the rest of the wheel nuts are fitted to the wheel that you are removing the problem from.

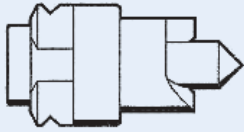


Locking Wheel Nut Remover Guide

Index

Blade A and Wheel Nut Selection	2
Blade B and Wheel Nut Selection	4
Blade C and Wheel Nut Selection	6
Assembly	8
Instructions For Use	10
(A) Using an Air Wrench	12
(B) Using an Impact Driver	13
(C) Using a Breaker Bar	13

Blade A and Mandrel



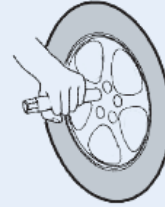
Inner
Shroud
Required



Keep contact between the blade and the locknut. A 24mm impact socket is now required.

Now use one of the following methods of removal:

- (A) Good quality air wrench.
- (B) Impact driver-use only recommended type.
- (C) Breaker Bar



Please see instructions for each method.

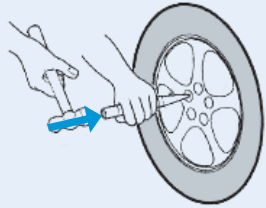
NO Inner
Shroud
Required



Gorillas with attitude not required !!

Instructions For Use

WARNING Blades A or B must not be used on hardened nuts or studs. Using the centrepunch provided test the locknut to be removed for hardness.

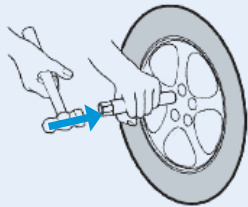


If the centrepunch makes a pop mark without deforming, proceed as per instructions. But if the punch blunts - **DO NOT USE BLADES A OR B AS DAMAGE TO THE BLADES WILL RESULT.** Make sure that the rest of the wheel nuts are all fitted and tightened.

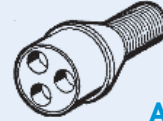
Where possible test in centre of nut face.

HOLD THE TOOL FIRMLY ONTO THE LOCKNUT FACE, IN LINE AND ON CENTRE.

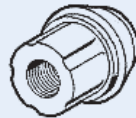
Ensure blades are firmly in contact to prevent bounce against the nut face. Build up the force of impacts gradually on to the tool with a 1kg/2lb hammer until the teeth are embedded into the end face to allow a solid grip.



*Technique is the answer not brute strength!
Trust the tool to do the job.*



A1

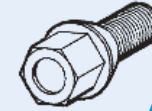


A4



A7

Note
Ordinary nut but with rounded corners



A2



A5

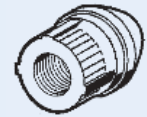


A8

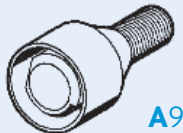
Special Tip
Cut through lock with ordinary chisel inside the outer shroud before using blade A



A3



A6

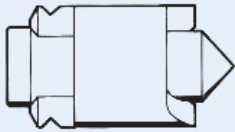


A9

Tip
Use centre punch in centre for mandrel

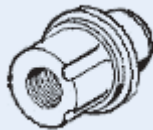
Tip
Ensure tool on centre using c/punch and mandrel

Blade B and Mandrel



TIP Centrepunch the nut when no hole is present

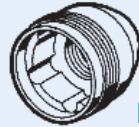
Large 4 x 4 nut



B1

Tip

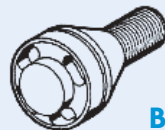
Ensure tool on centre using the centre punch first then mandrel



B5

Tip

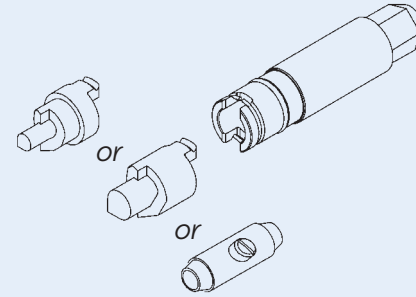
Line blade with holes



B9

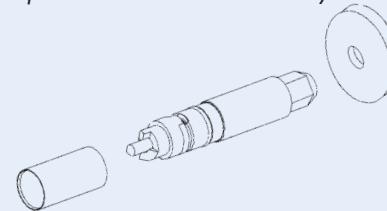
Ensure the *Spring* is inside the Tool Body
Clip Blade Assembly into Tool Body via the Spring Ring.

3



Refit the Outer Shroud over the Blade and onto the Tool Body (the Outer Shroud should protrude approximately 5mm ahead of the tips of the Blade in order to shield the locknut/stud and thereby reducing the risk of damage to the wheel itself i.e. the locknut/stud and Blade are all inside the protective Outer Shroud).

4

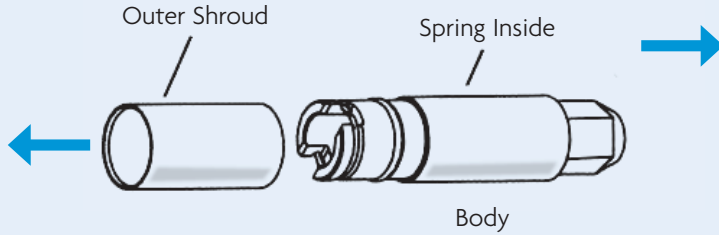


Now see instructions for use

Assembly

1

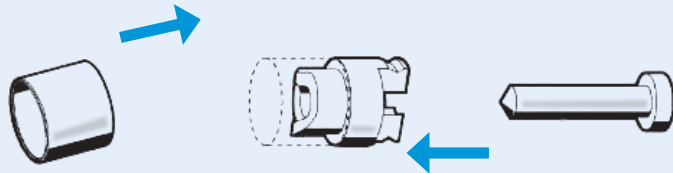
Separate Outer Shroud from Tool Body



Select the correct Blade to suit locknut/stud.
See pages 2-7

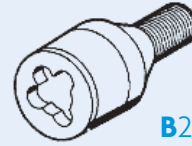
2

When using Blade A if the inner shroud will fit over Locknut place onto Blade as below this will help keep tool on centre.



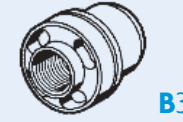
Note

Test hardness with centrepunch

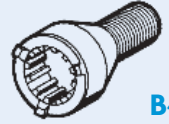


Tip

Line blade tips with holes where possible

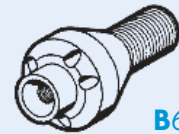


B4

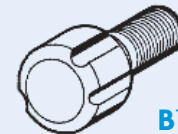


Tip

Line blade with holes



B7

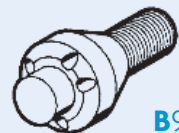


B8



Tip

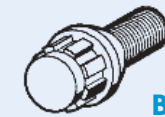
Line blade with holes



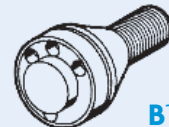
Tip

Blade B fits tight over top of nut

B10



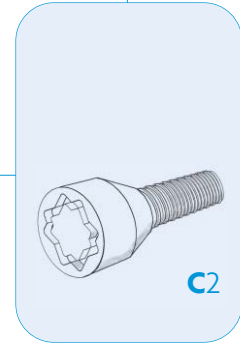
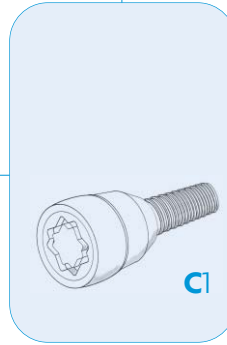
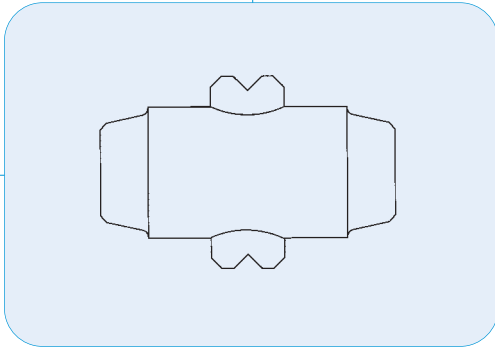
B11



Blade C

(Disposable Blade, after using both ends, new blade required)

Instructions For Use



1. Offer the tool to the lock nut.
2. Feel the tool locate in to the groove on the end face of the lock nut.
3. Hold the tool steady.
4. Use a hammer to drive the tool into the lock nut.
5. Use the Impact Driver/Breaker Bar to turn lock nut.
“Before you fully unscrew lock nut. Push up & down on the tool body to remove lock nut from the tool”
6. To remove the next lock nut, offer the tool to the lock nut and twist until you feel the tool fit into the lock nut.
7. Again use a hammer to drive the tool in to lock nut and remove as before.

- One end of the blade is designed to remove all 4 lock nuts on one car.
- Do not reuse blade on a different lock nut pattern/different car.
- The pin maybe used again if not damaged excessively.
- Use a small flat screw driver to flick the blade out of the tool body.
- The more you drive the tool in to the lock nut the better the grip