

AFT25 WHEEL NUT TOOL WITH BLADES A B C

AFT26 WHEEL NUT TOOL WITH BLADES A B C  
& AFT15 HEAVY DUTY IMPACT DRIVER

# Locking Wheel Nut Remover Guide



**ALWAYS WEAR SAFETY GEAR WHEN  
USING TOOLS & EQUIPMENT**



Index

**AS USED BY LEADING ROADSIDE RECOVERY OPERATIONS - THIS PRODUCT IS  
INTENDED SOLELY FOR USE OF BONA FIDE MOTOR TRADERS / TYRE FITTING BAYS  
TO ASSIST THEIR CUSTOMERS WHEN THE ORIGINAL SECURITY KEY HAS BEEN LOST**

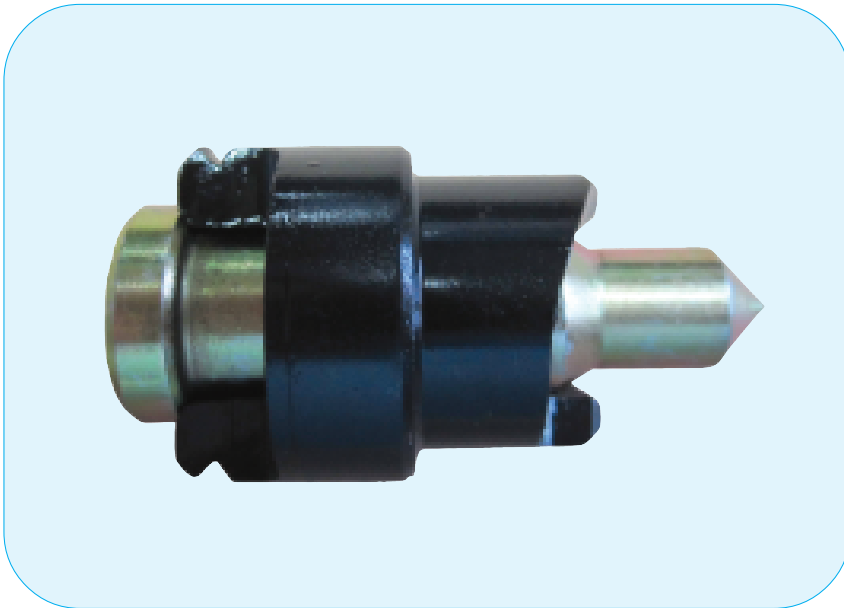
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**BLADES A & B WILL BE DAMAGED  
IF USED ON HARDENED NUTS**



**BLADE C IS REQUIRED  
FOR THIS TYPE OF  
HARDENED NUT**

# Blade A and Mandrel



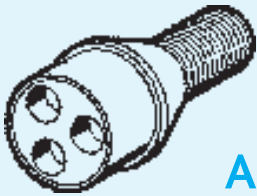
**TIP** Apply tape to Tool Outer Shroud, see page 15.

**BLADES A & B WILL BE DAMAGED IF USED ON HARDENED NUTS**



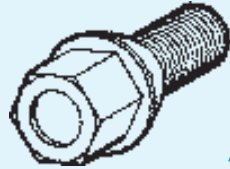
**BLADE C IS REQUIRED FOR THIS TYPE OF HARDENED NUT**



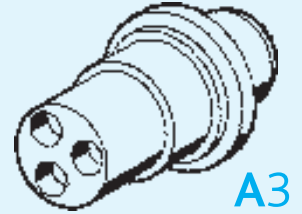


A1

Note  
Ordinary nut but  
with rounded  
corners



A2

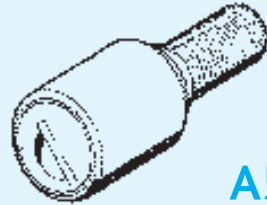


A3

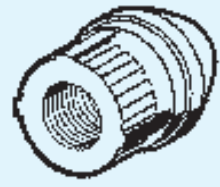


A4

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



A5



A6



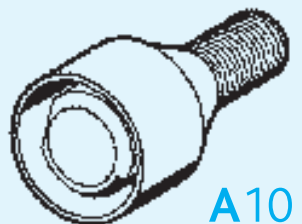
A8

Tip  
Use centre punch in  
centre for mandrel



A9

Tip  
Ensure tool on centre  
using c/punch and  
mandrel

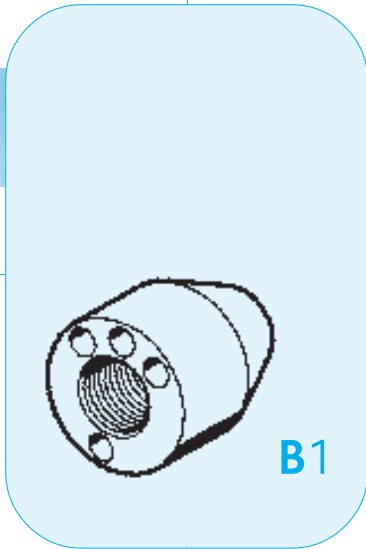


A10

# Blade B and Mandrel



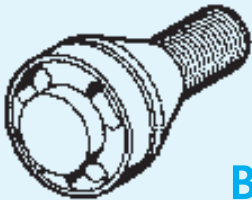
**TIP** Centre punch the nut when no hole is present  
 Apply tape to Tool Outer Shroud, see page 15.



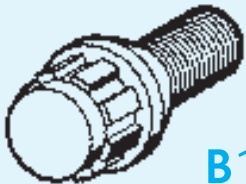
**Tip**  
 Ensure tool on centre using the centre punch first then mandrel



**Tip**  
 Line blade with holes



**Tip**  
 Blade B fits tight over top of nut

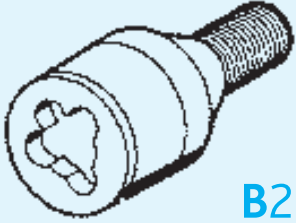


**BLADE C IS REQUIRED FOR THIS TYPE OF HARDENED NUT**

**BLADES A & B WILL BE DAMAGED IF USED ON HARDENED NUTS**

**Note**

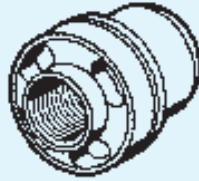
Test hardness with  
centre punch



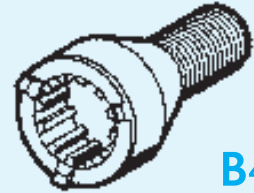
**B2**

**Tip**

Line blade tips with  
holes where  
possible



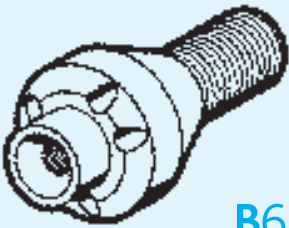
**B3**



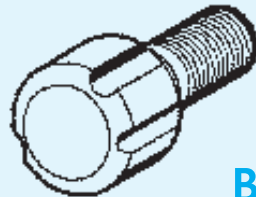
**B4**

**Tip**

Line blade with  
holes



**B6**

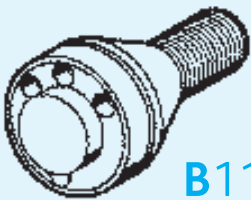


**B7**

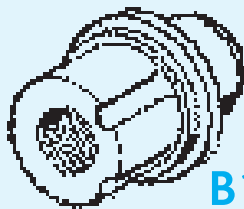


**B8**

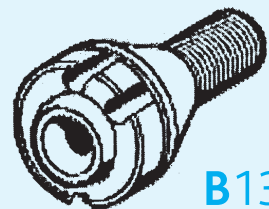
Large 4 x 4 nut



**B11**



**B12**



**B13**

## Disposable Blade C



**BLADE C IS REQUIRED FOR  
THIS TYPE OF HARDENED NUT**

*Blade C is designed to remove two sizes of locknuts. Choose the end that best locates into the locknut pattern. One end of the blade is designed to remove all four locknuts on one vehicle.*

- 1) Offer Blade C to the locknut. Feel the blade locate into the groove on the end face of the locknut. (Fig 1)*
- 2) Insert Blade C into the Tool Body with the correct end facing outwards. (Fig 2)*
- 3) Offer the assembled tool to the locknut. (Fig 3)*
- 4) Use a hammer to drive the tool into the locknut. The more you drive the tool into the locknut the better the grip. (Fig 4)*
- 5) Use the Impact Driver / Breaker Bar to turn the locknut (Refer to Page 14).*
- 6) Before the locknut is removed from the wheel, push up and down on the Tool Body to remove the locknut from the Blade.*
- 7) To remove the next locknut, offer the tool to the locknut and twist until the tool locates into the locknut.*
- 8) Repeat steps 4 and 5 to remove the remaining locknuts.*





**Fig: 1**

*The end that best locates in the centre piece of the locknut should be used.*



**Fig: 2**

*Once the correct end is determined, insert the Blade C into the tool body and re-fit the Outer Shroud.*



**Fig: 3**

*Insert the assembled tool into the wheel recess and locate tool into locknut pattern.*



**Fig: 4**

*A typical example of a "moulded" Blade C. For best results, ensure Blade C is cut to a minimum depth of 3mm and where possible always use high torque Impact Driver.*

# Jaguar / Range Rover Key

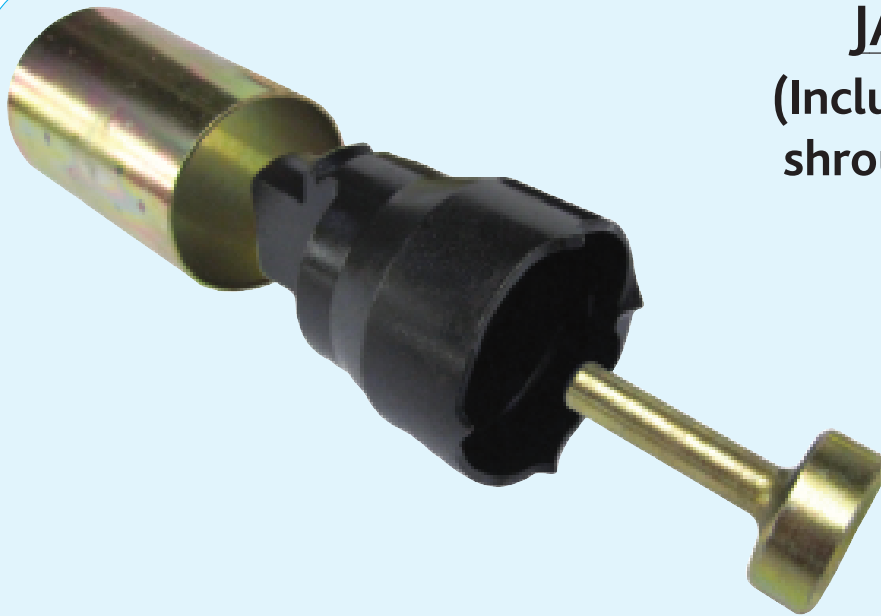
(AFT020 & AFT030 optional extras available - see page 16)

## *Instructions For Use.*

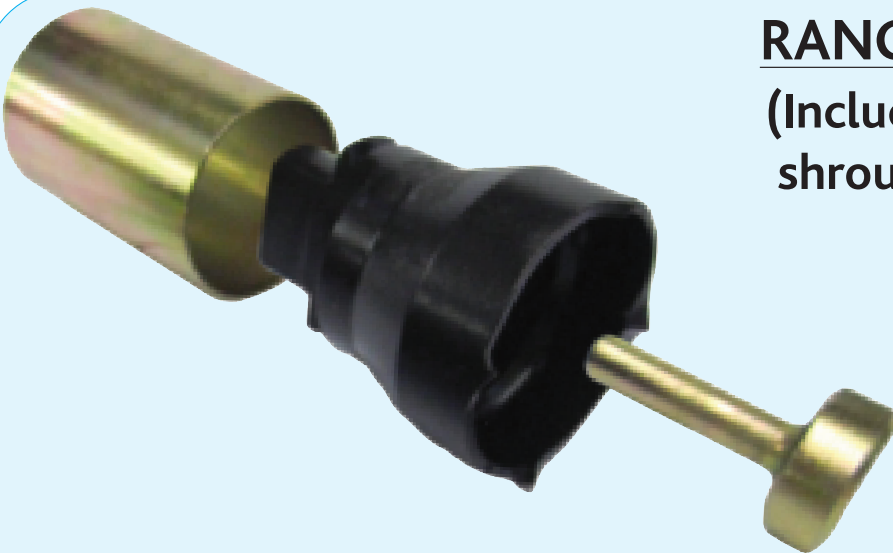
- 1) *Remove the Outer Shroud from the Tool Body of the Locking Wheel Nut Remover Kit.*
- 2) *Slide the Short Outer Shroud over the Tool Body.*
- 3) *Clip the Jaguar Key (or Range Rover Key) into the Tool Body.*
- 4) *Slide the Short Outer Shroud over the Spring Ring to hold the Blade in place.*
- 5) *Check if the splines on the front rotating part of the locknut are inline with those on the rear of the locknut. If they are aligned refer to step 9.*
- 6) *If they are not inline, insert the gold Mandrel inside the key.*
- 7) *Place the assembled tool onto the locknut by locating the drive peg on the inside of the key into one of the splines on the locknut.*
- 8) *Rotate the tool using the Impact Driver from the Locking Wheel Nut Remover Kit until the front splines of the locknut line up with the rear splines.*
- 9) *Now remove the Mandrel from the key and place the assembled tool onto the locknut ensuring the drive peg locates onto a spline on the rear of the locknut.*
- 10) *Now gradually increase impact to ensure the points are firmly embedded into the rear washer of the locking wheel nut.*
- 11) *Using the **Impact Driver ONLY** from the Locking Wheel Nut Remover Kit, rotate and remove the locknut.*







**JAGUAR KEY**  
(Including short outer  
shroud and mandrel)



**RANGE ROVER KEY**  
(Including short outer  
shroud and mandrel)



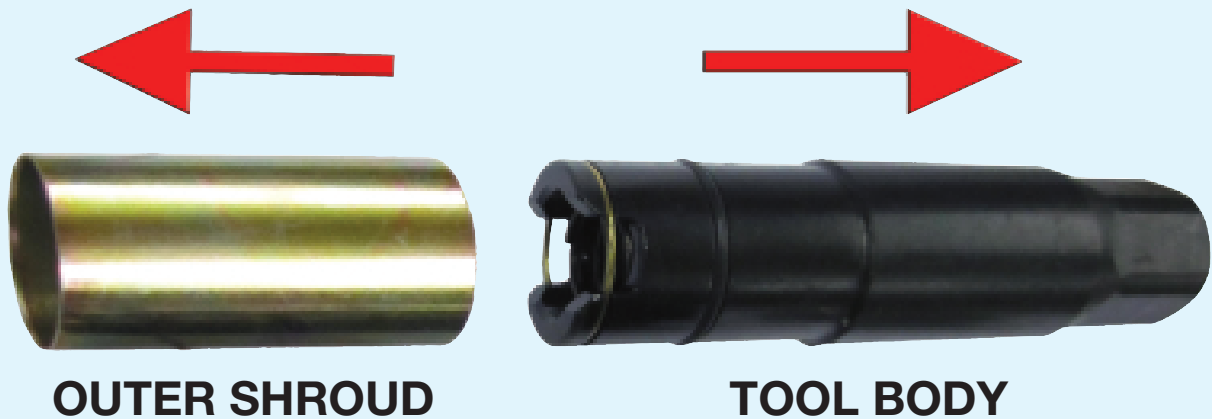
**PLEASE NOTE:** Use with Impact Driver ONLY

**WARNING THESE BLADES WILL BE  
EASILY DAMAGED IF NOT USED AS  
RECOMMENDED WITH THE AFT15  
HEAVY DUTY IMPACT DRIVER**

# Assembly

1

*Separate Outer Shroud from Tool Body*

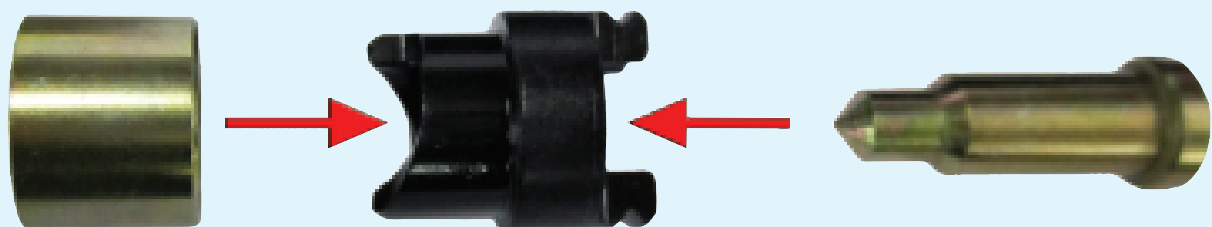


*Select the correct Blade to suit locknut/stud.*

*See pages 2-9*

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.*



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).  
Fit the Hand Protection Ring over  
the end of the tool.

4



Now see instructions for use

## Instructions For Use

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



If the centre punch 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, INLINE AND ON CENTRE.**

Ensure blades are firmly in contact to prevent bounce against the nut face. Build-up the force of impacts gradually onto



the tool with a 3lb club 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.**

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

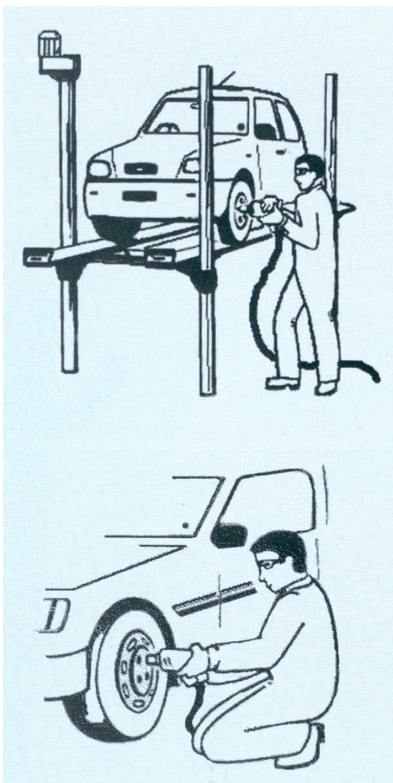


Now use one of the following methods of removal :

- (A) Good Quality Air Impact Wrench
- (B) AFT15 Heavy Duty Impact Driver \*\*
- (C) Breaker Bar

See instructions below for each method

**\*\* Standard Impact Drivers are not normally suitable for this work.**



### (A) USING AN AIR IMPACT WRENCH

***For most users we recommend that this removal method should be used.***

Where available it is easier to have the car raised on a ramp. Make sure that the other wheel nuts are still fitted in place whilst the problem nut is being released.

**DO NOT LIFT OR PUSH DOWN WHILST USING THE AIR WRENCH.**

**TIP - KEEP THE TOOL IN-LINE WITH THE WHEEL AT ALL TIMES.  
PUSH FIRMLY AGAINST THE WHEEL TO MAINTAIN A SECURE GRIP. & AVOID SLIPPAGE.**



(B)

## USING AN IMPACT DRIVER

*push in & twist*



*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 3lb club hammer.*

*Only use the one directional high torque impact driver supplied with the Locking Wheel Nut Remover Kit.*

(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 / TWIST OFF



## Hints & Tips



*To keep the tool central, apply tape to the Outer Shroud to make the tool a good fit into the hole in the wheel. This is especially useful when using Blades A & B.*



*If all other attempts have been unsuccessful and the locknut is over-tight, support the tool with a jack and strike with a large hammer, ensuring the tool grips fully and breaks the seal between the locknut, the wheel and the threads. Then try the Impact Driver / Breaker Bar again.*



**AFT25 WHEEL NUT TOOL WITH BLADES A B C**  
**AFT26 WHEEL NUT TOOL WITH BLADES A B C**  
**& AFT15 HEAVY DUTY IMPACT DRIVER**



*A full range of consumable  
spares is available to order*



Part No	Description	Qty	Ref
AFT001	OUTER SHRILOUD	1	01
AFT002	INNER SHROUD	1	02
AFT003	BLADE A (pages 2 - 3)	1	03
AFT004	BLADE B (pages 4 - 5)	1	04
AFT005	MANDREL A	1	05
AFT006	MANDREL B	1	06
AFT007	COILED SPRING	1	07
AFT008	SPRING RING (1 spare)	1	08
AFT009	MAIN BODY	1	09
AFT010	CENTRE PUNCH	1	10
AFT011	RUBBER O RING	1	11
AFT012	INSTRUCTION GUIDE BOOK	1	12
AFT015	HAND PROTECTION RING	1	15
AFT014	DISPOSABLE BLADE C (page 6 - 7)	1	16
AFT15	IMPACT DRIVER [AFT26 only]	-	13
AFT020	JAGUAR KEY (pages 8 - 9)	-	18
AFT030	RANGE ROVER KEY (pages 8 - 9)	-	19
	24MM IMPACT SOCKET 1/2" DR	1	14

