

ARMAPLATE
CHALLENGER

NOTE

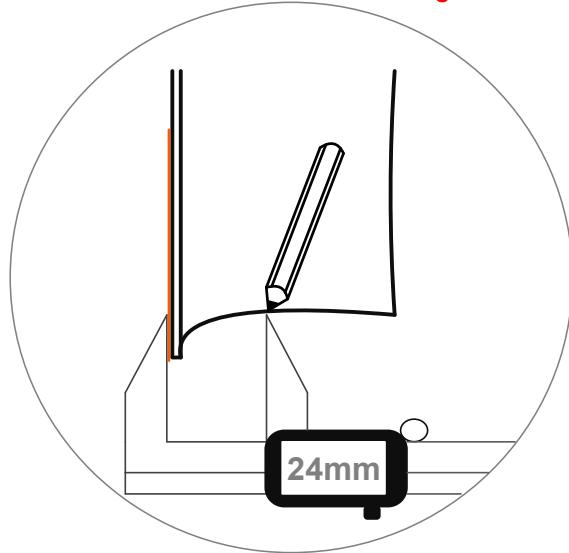
All
dimensions
are for
GUIDANCE
only!

APHK05
MASTER
MOVANO
NV400

2010 >

CAUTION

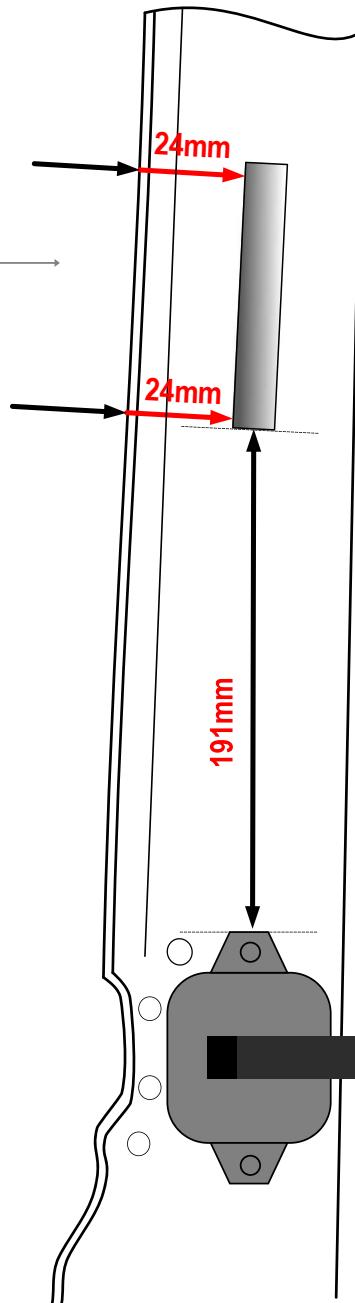
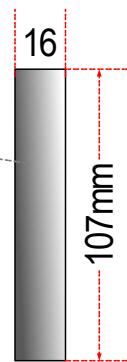
Double-check to make sure that you have the right kit for the van you are working on BEFORE proceeding with your installation. If you are in any doubt, please ring 0845 838 0700.

APHL22**FITTING LOCKCASE****Fig.1**

Protect paintwork by
Applying **Masking Tape**

Use a **Vernier Gauge** to
help mark out the
dimensions of
the aperture to
be cut out

This guide shows the NearSide door.
Mirror for OffSide door

Fig.2**Fig.3**

Cut aperture
to these
dimensions

NOTE: TREAT ALL BARE METAL AFTER CUTTING/DRILLING!

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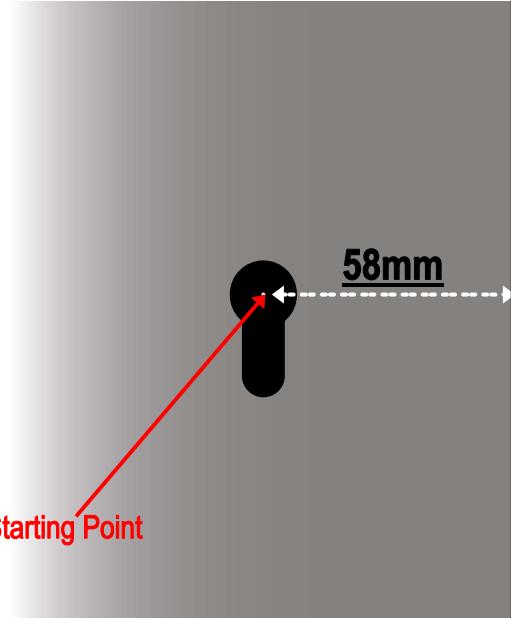
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APHL22

Not suitable for a glazed door!

**CYLINDER POSITION****Fig.4**

Nearside shown,
mirror for offside door!

NOTE!!

Ensure LockCase HOOK will clear the middle protrusion of the door post before securing the LockCase!!!

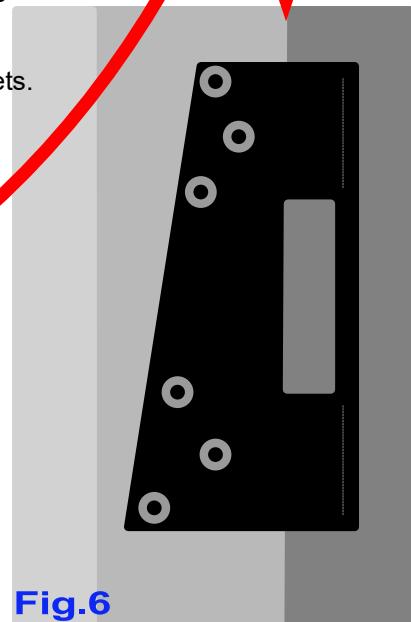
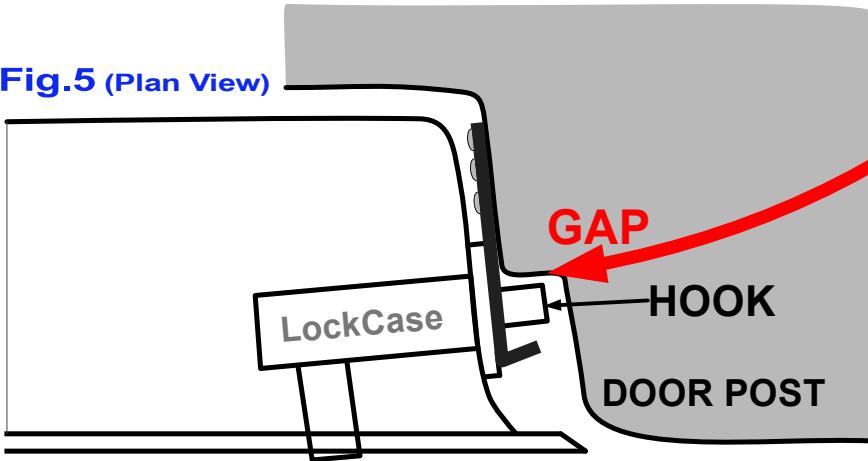
FITTING RECEIVER BRACKET

Partially close the door and mark approximate position of the HOOK on the door post through the gap.

Temporarily hold receiver bracket in place with Masking Tape noting that the bracket-return faces the REAR of van.

Carefully close door and test operation. Adjust the position and lockcase aperture until the correct position is achieved. Once you are totally happy with the **position and operation** of the lock, secure the bracket and lockcase with the supplied 5mm Dome rivets.

Finally, fit the steel escutcheon plate around the lock cylinder using supplied 3.5mm rivets.

Fig.5 (Plan View)**Fig.6**

Receiver Bracket Example

NOTE: Treat all cut edges with rust-inhibitor!

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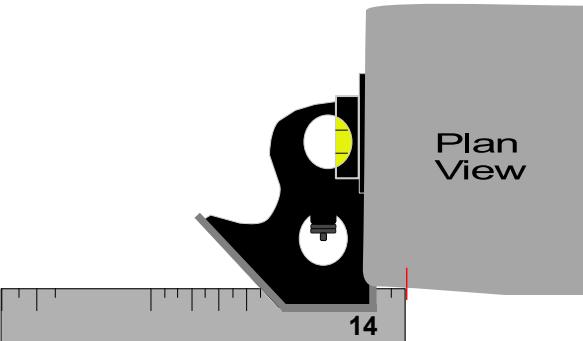
REAR BARN DOOR**CAUTION**

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**FITTING LOCKCASE**

DO NOT secure the LockCase until the Receiver-Bracket clearance is checked!



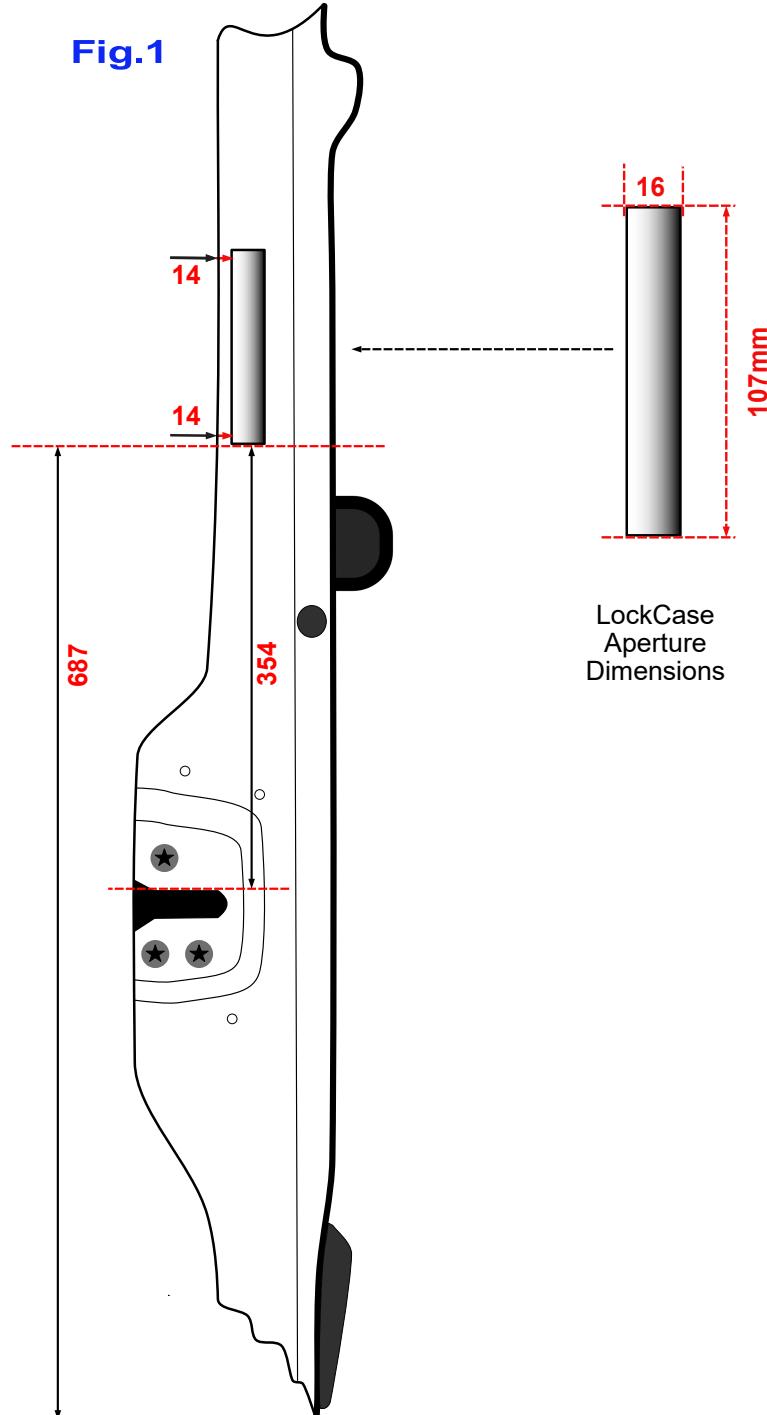
Measurements taken from the INSIDE of the door using an Adjustable Set Square

NOTE :

Installation is made easier by removing the rear brake-light as this allows the LockCase and Cylinder to be seen inside the door for alignment purposes.

The brake-light unit is secured by a single M6 Nut behind a round plastic cap on the internal door trim.

Unplug the lamp and store it in a safe place away from the work area. See Page 3.

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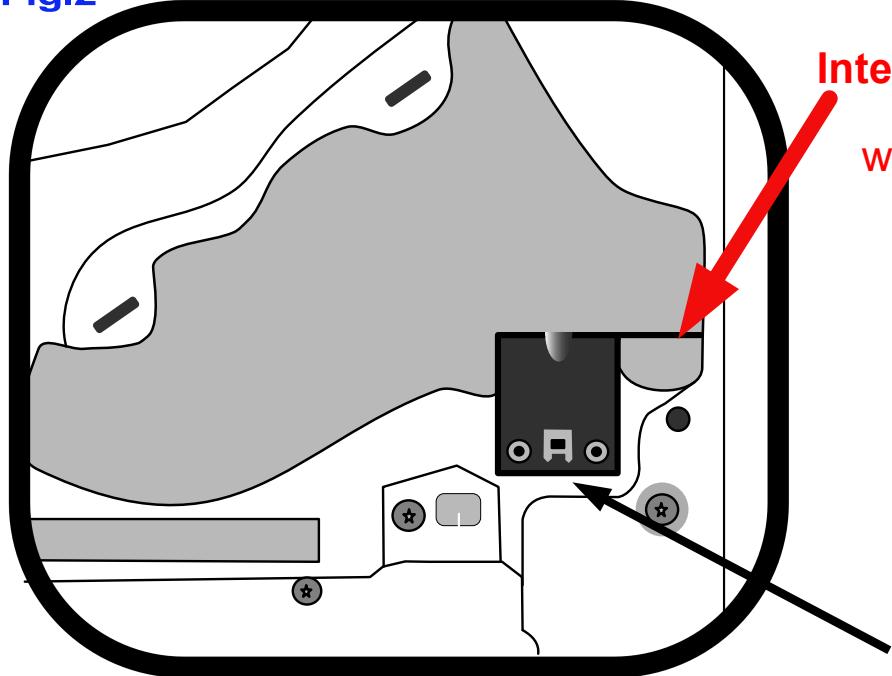
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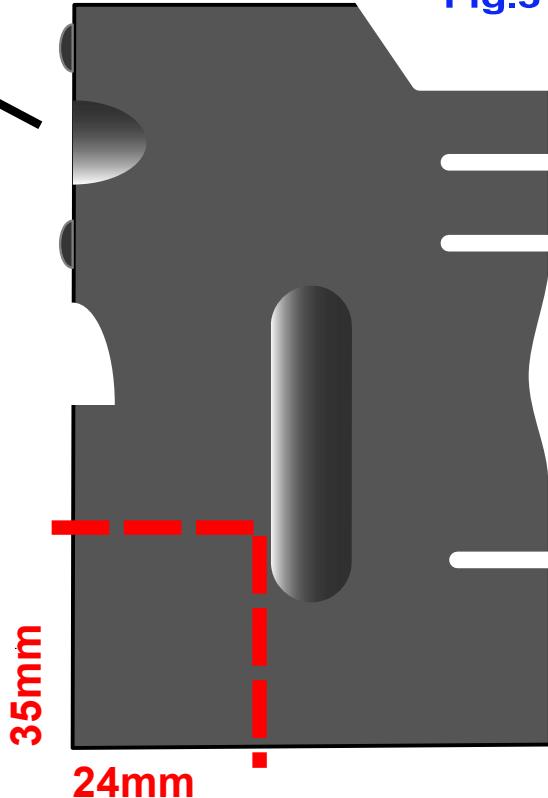
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APHL23
**INTERNAL CYLINDER GUARD**

Some vehicles are fitted with an internal cylinder guard and if they are, you need to modify the brackets to facilitate installation of the Challenger LockCase. You will need to drill-out 2 rivets which hold it in place and then cut out a small section of the bracket before refitting it with the supplied rivets. Remove door panel to reveal the guard...

Fig.2

Internal Cylinder Guard
 (inside the door
 with panel removed)

Fig.3

**Cut out a section of the guard
 as indicated in this Plan View.....**

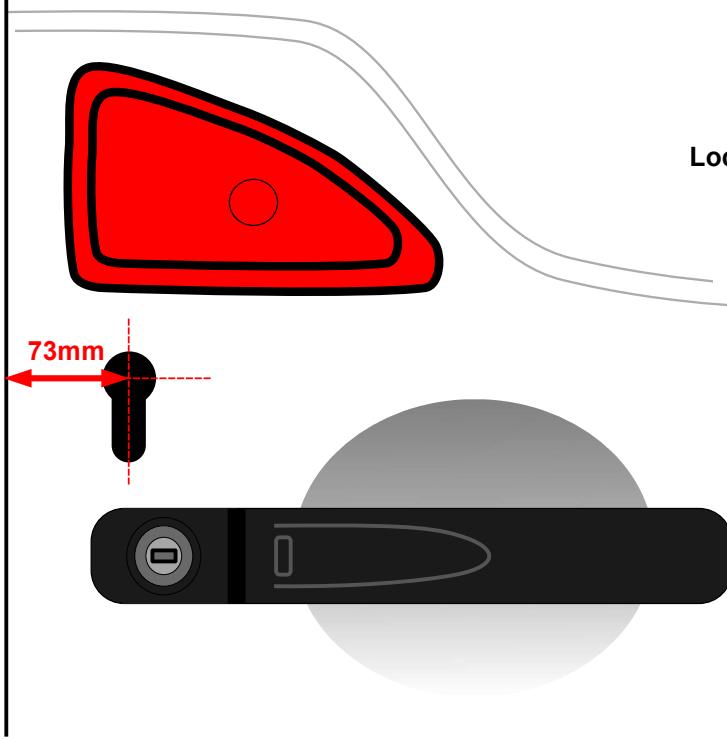
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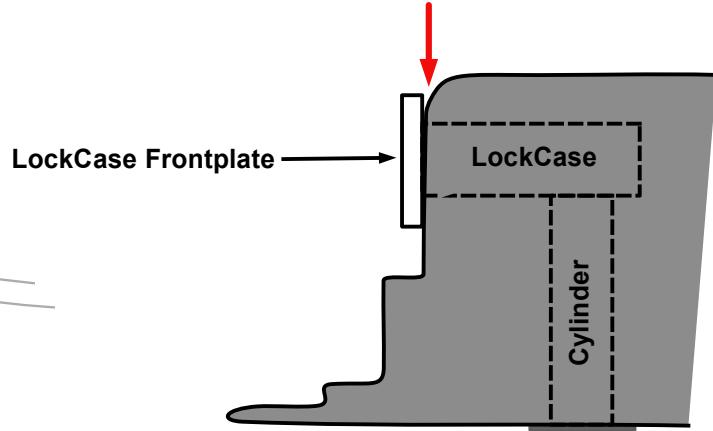
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APHL23
**CYLINDER POSITION starting point****Fig.5****Fig.4**

The angle of the door-return means that you will need to fill this small gap with water-resistant silicone



PLAN VIEW
of the offside
Rear Door

Fitting receiver bracket

DO NOT secure the LockCase until you have checked the clearance for the Receiver Bracket! The clearance can be checked from inside the van.

Hold the bracket in place with Masking Tape - if more clearance is required, adjust the LockCase aperture to suit.

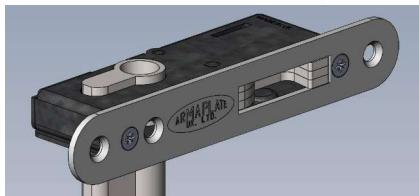
Position the inside edge of the HOOK over the RETURN of the bracket as shown in the image on the right.

When you are perfectly happy that the alignment and operation of the lock is correct, secure the LockCase with 5mm CSK rivets and secure the Bracket with supplied 5mm Dome Head rivets.

FINALLY, fit the steel escutcheon plate around the lock cylinder using the supplied small rivets.

**Fig.6****NOTE: Treat all cut edges with rust-inhibitor!**

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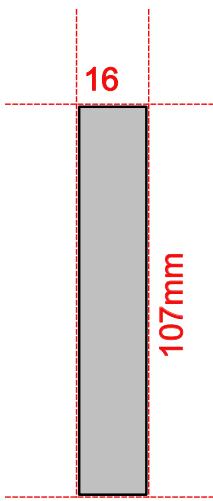
**NOTE**

All cutting and drilling is done at your own risk!

How do I cut out the LockCase Aperture?

We always recommend that security products are installed by professional engineers who can guarantee that the highest levels of security and reliability are achieved, but if you wish to install the product yourself, you can use the Fitting Guide provided in the kit. Bear in mind that all dimensions are provided as nothing more than an approximate guide and it is the installers responsibility to determine the final fitting positions of each component.

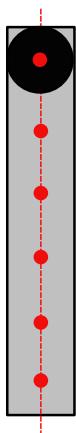
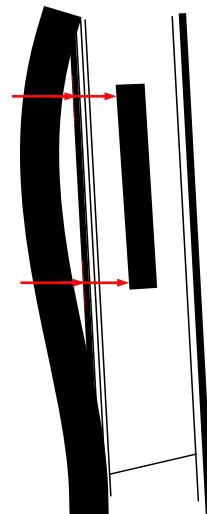
When it comes to cutting out an aperture for the LockCase to fit in, there are a few different methods. People who install HookLocks on a daily basis will want to invest in specific tools such as nibblers, reciprocal saws, air-saws and die-grinders,etc, but if you are an owner-driver who will only be fitting a security device once, then you may choose to employ the most basic method of installation as shown below.



The first job is to refer to the main guide for the dimensions of the aperture cut-out and mark the area to be cut on your van.

Before you cut or drill *anything*, check and double-check that you have got the dimensions right. Measure twice, cut once!!!

If in any doubt, seek help before cutting.

EXAMPLE

Mark out a centre-line and drill-points and then proceed to drill out a series of 16mm holes as shown on the right to remove the bulk of the metal.



Use a file to remove the excess metal to attain straight sides and sharp corners. You can employ a similar method for the lock cylinder aperture.

Make sure the edges are protected from corrosion by applying a liberal coats of rust-inhibitor.