

Step one

First you need to get hold of a spare VW-type sill jack and make a few modifications as shown in picture 7. Cut the base plate off at an angle of approximately 45-degrees, then remove the clip on the top part of the jack and cut off the little hooks that hold it on.

Step two

An M10 bolt is needed here and has to be welded into the centre of part 4 as shown in picture 5.

Step three

You then need to weld part 1 to the base part of the jack and weld part 4 to the top of the jack as shown in picture 8.

Step four

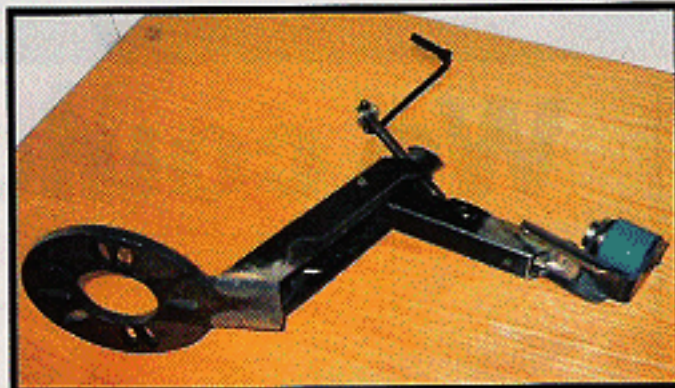
Parts 2 (bent as shown) and 3 then need to be welded together as in picture 6 and drilled to suit the spindle you will be using. We used a long

M8 nut and bolt and a skateboard wheel as this works perfectly and is hard wearing.

Step five

Once parts 2 and 3 are welded together and the wheel fitted, they need to be bolted to part 4 which

should now be welded to the rest of the tool. Leave them loose enough to provide a bit of adjustment to the length as this is needed as you move around the arch.



Congratulations, you have now made your very own arch rolling tool. Go on, roll 'em up

Handy hints on using your arch rolling tool

- Before any attempt is made to roll your arches, remove the plastic splash guards from inside the arches. Also remove any dirt on the inside of the lip as this will damage the outside of the wing as you start to bend the lip up and make a mess of what could otherwise be a neat job.
- If possible practice on an old car (or at least a car where the plastic arches are staying in place) as it takes a bit of practice to use the tool.
- Take your time and don't roll too much up at a time as you'll end up with wobbly arches or even having to replace one of your arches.
- As with the proper tool that our bodyshop friend has, if you're going to do the whole lip you will need to remove the brake callipers as these get in the way but, from experience, we've found you'll only need to do a few sections around the arch where the wheels catch.
- Note also the paint on your arches will split slightly as you fold the lip up. This can be reduced by carefully heating up the paint with a hairdryer. We said carefully – too much heat and you'll blister the paint.

Remember: buy your wheels and tyres first so you can check they fit before you get your car finished

DO NOT SCALE PRINT

F IN DOUBT ASK

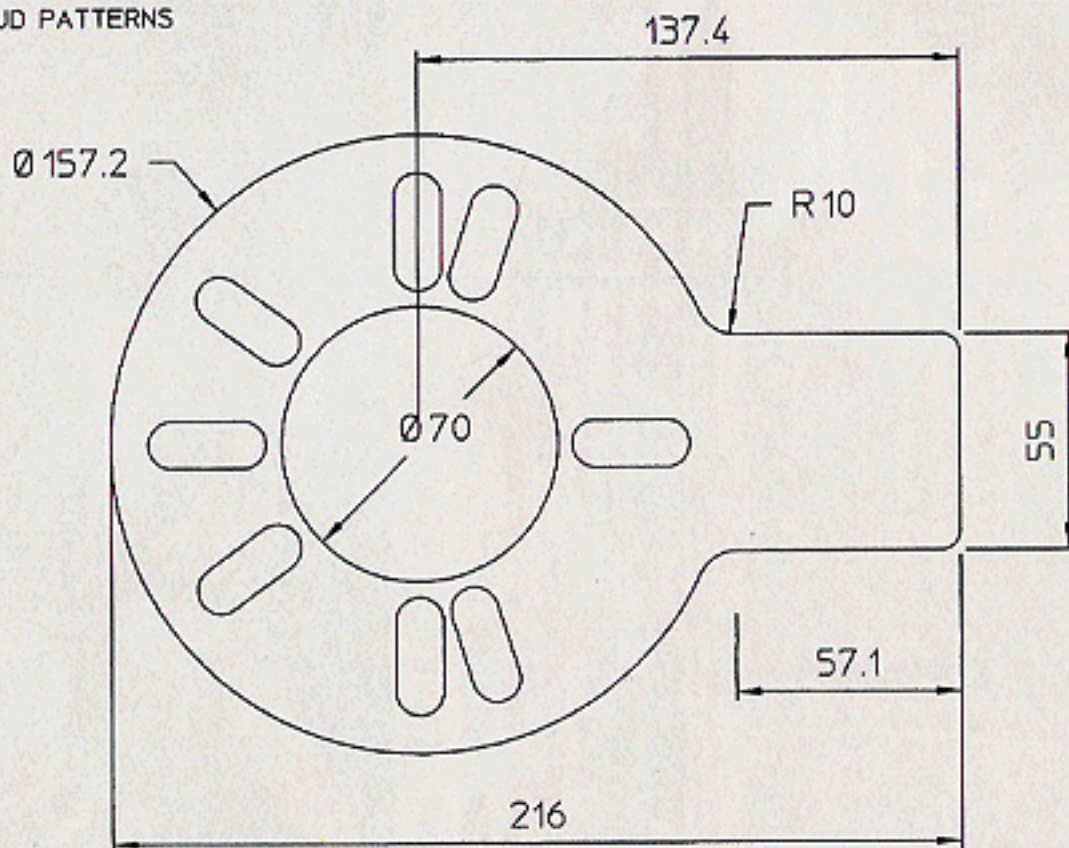
TOLERANCES - GENERAL $\pm 0.5mm(\pm 0.0207)$ WELDED ASSEMBLIES $\pm 1.0mm(\pm 0.0407)$ - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S.

ALL SLOTS 30mm X 12mm SET OUT
TO SUIT 4 AND 5 STUD PATTERNS

1



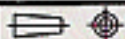
QTY.

ROUTE	TIME	Q.A.	ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CONTRACT No.	CARRIER ORDER/DRAWING No.	PART 1
						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL		MATERIAL DETAILS					
							P.O.No.	ARCH FLARING TOOL		12mm THICK MILD STEEL					
							DESCRIPTION	HUB PLATE		QTY. PER	1	CONTRACT No.			
RETURN ALL PIECE PARTS TO P.F.															

Above: this is the part that will bolt over your hub to give you a positive location for the tool when in use. Note how it is designed to fit both four and five bolt applications

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IF IN DOUBT ASK

TOLERANCES - GENERAL $\pm 0.5\text{mm}/\pm 0.0201$ WELDED ASSEMBLIES $\pm 1.0\text{mm}/\pm 0.0401$ - UNLESS OTHERWISE STATED

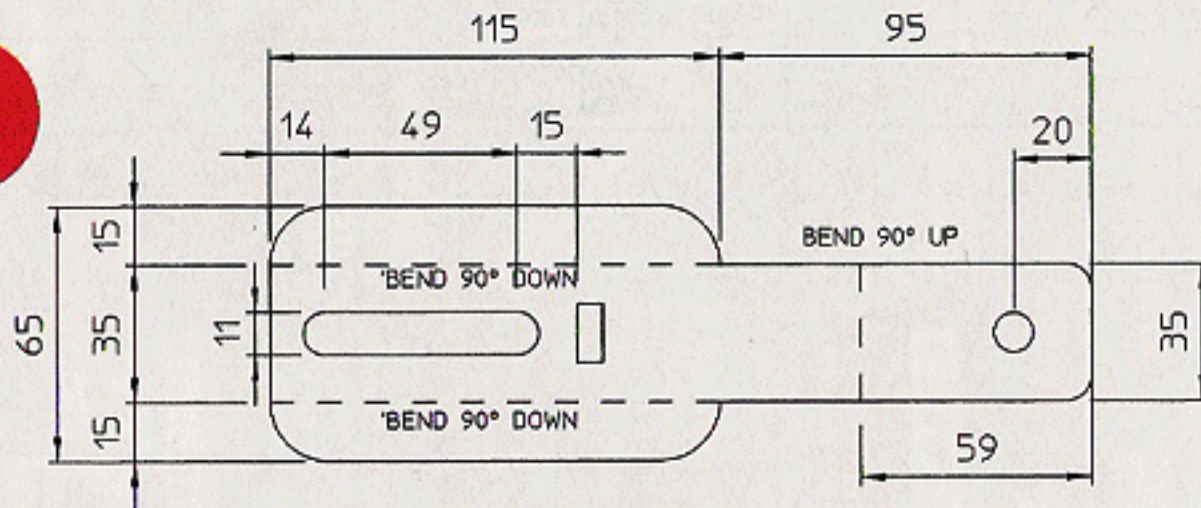
METRIC

SCALE N.T.S.

SLOT 60mm X 11mm

RECTANGULAR CUT OUT 6.5mm X 15mm

HOLE TO SUIT SPINDLE USED



ALL SLOTS AND HOLES EQUAL ABOUT THE CENTRE

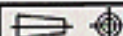
QTY.

ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS				
THE							P.O.No	ARCH FLARING TOOL	5mm THICK MILD STEEL				
D.A.							DESCRIPTION	ROLLER PLATE	QTY. PER	1	CONTRACT No		
RETURN ALL PIECE PARTS TO P.F.		ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER/ DRAWING No	PART 2

Above: part one of the adjustable section. Note the fold lines marked – the folded up section supports one end of the wheel spindle, the down sections allow for adjustability during use

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IF IN DOUBT ASK

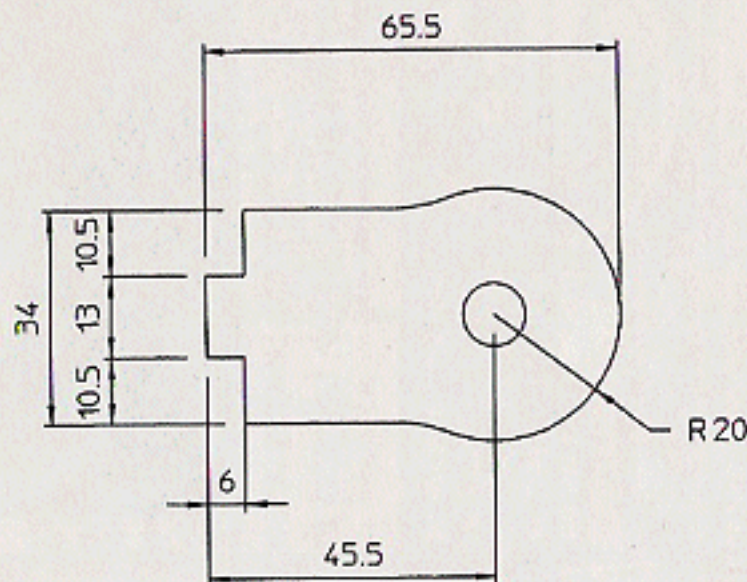
TOLERANCES - GENERAL $\pm 0.5\text{mm}$ (± 0.020) WELDED ASSEMBLIES $\pm 1.0\text{mm}$ (± 0.040) - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S.

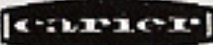
HOLE TO SUIT SPINDLE USED

3



ALL SLOTS AND HOLES EQUAL ABOUT THE CENTRE

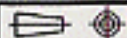
QTY.

ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS				
TIME							P.O.No	ARCH FLARING TOOL	5mm THICK MILD STEEL				
Q.A.							DESCRIPTION	ROLLER PLATE	QTY. PER	1	CONTRACT No.		
RETURN ALL PIECE PARTS TO P.F.		ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER DRAWING No.	PART 3

Above: this is the second part of the adjustable section that holds the actual rolling wheel and needs to be welded to part 2. The diameter of the hole is dependent on the spindle you choose

DO NOT SCALE PRINT

IF IN DOUBT ASK

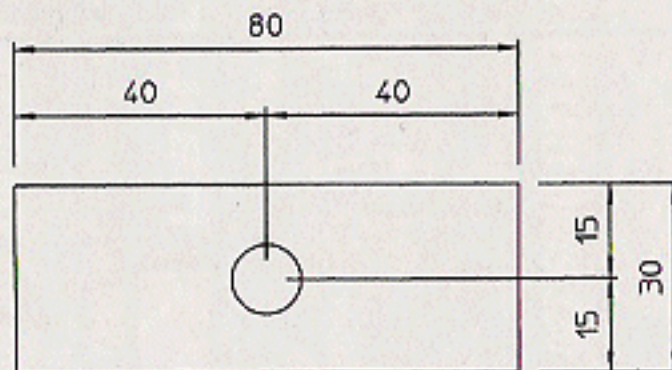
TOLERANCES - GENERAL $\pm 0.5\text{mm}/\pm 0.0207$ WELDED ASSEMBLIES $\pm 1.0\text{mm}/\pm 0.0407$ - UNLESS OTHERWISE STATED

METRIC

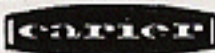
SCALE N.T.S.

1 HOLE $\varnothing 11.0\text{mm}$

4



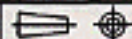
QTY.

ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	RATINGS DETAILS				
TIME							P.O.No	ARCH FLARING TOOL	5mm THICK MILD STEEL				
D.A.							DESCRIPTION	ADJUSTER	QTY. PER	1	CONTRACT No.		
RETURN ALL PIECE PARTS TO P.F.		ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER/ DRAWING No.	PART 4

Above: an M10 bolt needs to be welded through the hole and this section welded to the cut down jack.. The adjustable wheel section then sits over the upturned bolt and is loosely attached

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IF IN DOUBT ASK

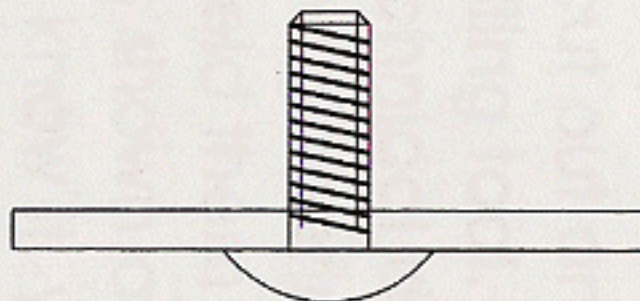


TOLERANCES - GENERAL $\pm 0.5mm(\pm 0.020)$ WELDED ASSEMBLIES $\pm 1.0mm(\pm 0.040)$ - UNLESS OTHERWISE STATED

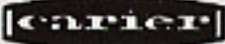
METRIC

SCALE N.T.S

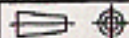
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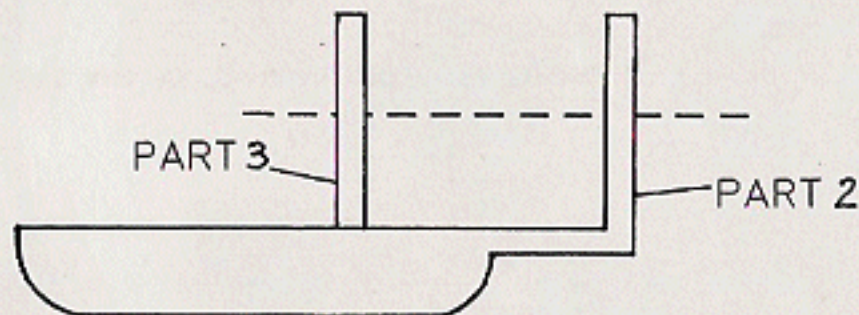
QTY.

ROUTE							 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS							
TIME								P.O.No.	ARCH FLARING TOOL								
QA								DESCRIPTION	WELDED ADJUSTER	QTY. PER	1	CONTRACT No.					
RETURN ALL PIECE PARTS TO P.F.						ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER/ DRAWING No.	PART 7

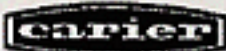
Above: here's part 4 from side view with the bolt attached. See picture 8 for where this is located on the modified jack



6



QTY.

ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS				
TWE							P.O.No	ARCH FLARING TOOL	5mm THICK MILD STEEL				
Q.A.							DESCRIPTION	ROLLER PLATE	QTY. PER	1	CONTRACT No.		
RETURN ALL PIECE PARTS TO P.F.		ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER DRAWING No.	PART 8

Above: here's what parts 2 and 3 will look like when bent to shape and welded together. The dotted line represents the spindle that your chosen rolling wheel will run on

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IF IN DOUBT ASK

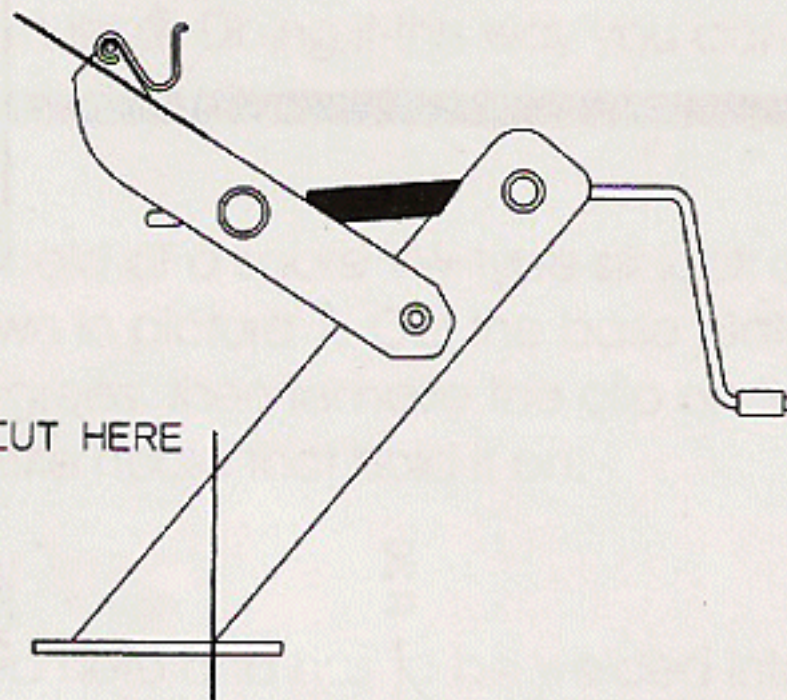
TOLERANCES - GENERAL $\pm 0.5\text{mm}$ ± 0.020 WELDED ASSEMBLIES $\pm 10\text{mm}$ ± 0.040 - UNLESS OTHERWISE STATED

METRIC

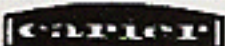
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CUT HERE

CUT HERE



QTY.

ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS				
TIME							P.O.No	ARCH FLARING TOOL	STANDARD VW SILL JACK				
QA							DESCRIPTION	CUTTING POINTS	QTY. PER	1	CONTRACT No		
RETURN ALL PIECE PARTS TO P.F.		ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER/ DRAWING No	PART 5

Above: take a standard common or garden VW sill jack that everyone has lying around and cut off the sections as shown above

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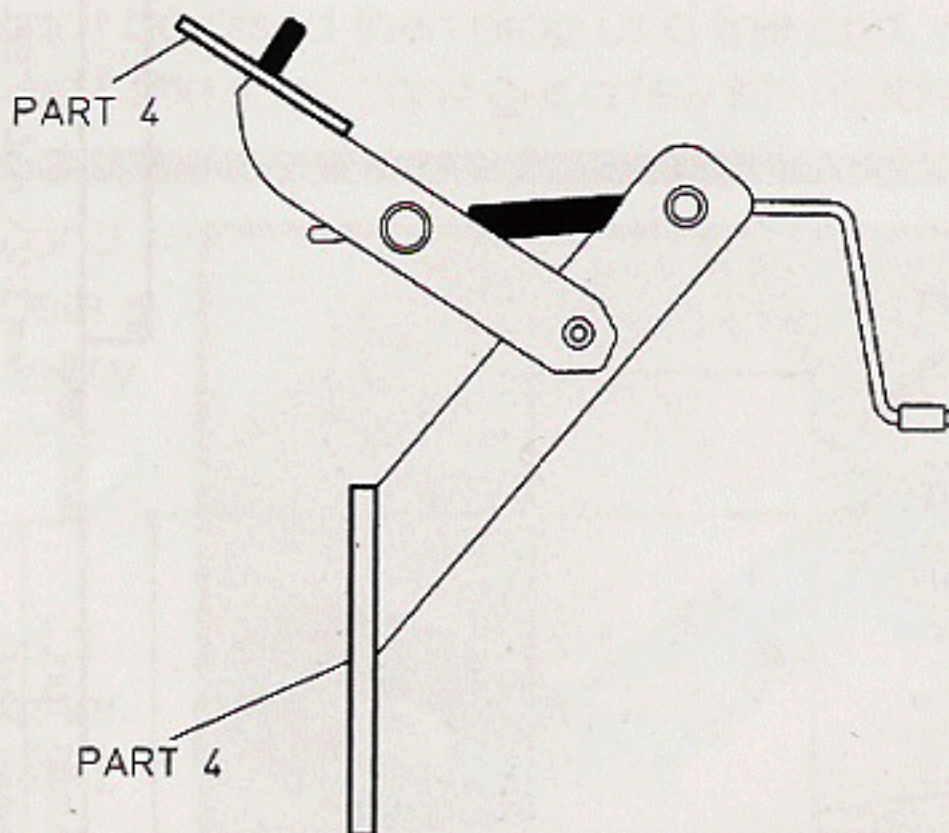
F IN DOUBT ASK

TOLERANCES - GENERAL $\pm 0.5mm$ ± 0.0201 WELDED ASSEMBLIES $\pm 1.0mm$ ± 0.0407 - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S.

8



ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS				
TIME							P.O.No	ARCH FLARING TOOL	STANDARD VW SILL JACK				
Q.A.							DESCRIPTION	FINISHED TOOL	QTY. PER	1	CONTRACT No		
RETURN ALL PIECE PARTS TO P.P.		ISS	DATE	REV	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1	CARRIER ORDER/ DRAWING No	PART 6

Above: diagrammatic representation of how the finished jack will look when you've welded parts 1 and 4 to the modified item shown alongside