

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.

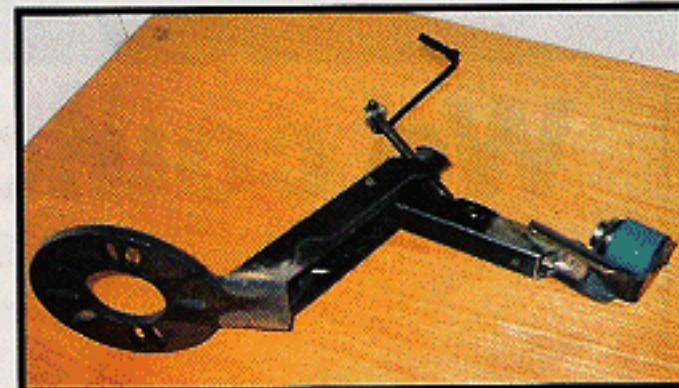
Step four

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

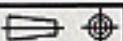
Handy hints on using your arch rolling tool

- 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 calipers 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

IF IN DOUBT ASK

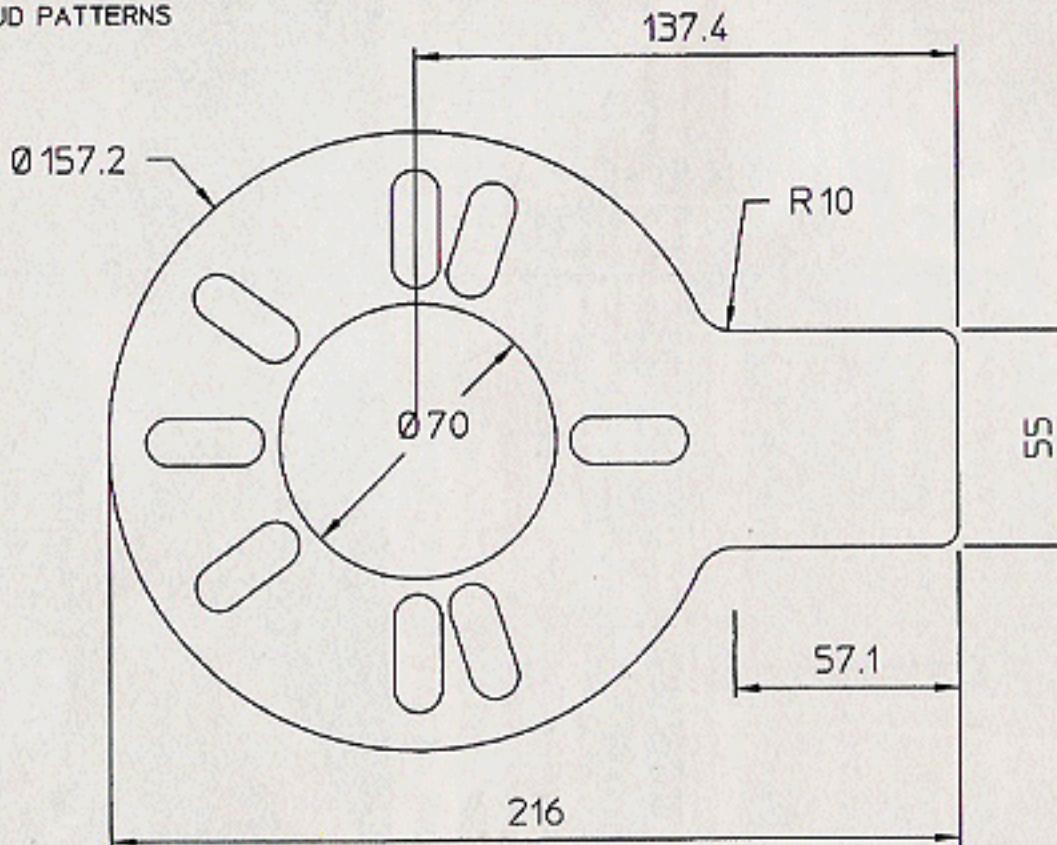


TOLERANCES - GENERAL +0.5mm/-0.0207 WELDED ASSEMBLIES +1mm/-0.0407 - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S

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



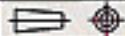
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ROUTE						CLIENT	ARCH FLARING TOOL		MATERIAL DETAILS		
TIME						PONO	ARCH FLARING TOOL		12mm THICK MILD STEEL		
QA						DESCRIPTION	HUB PLATE		QTY. PER	1	CONTRACT NO
RETURN ALL PIECE PARTS TO P.F.	ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET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

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

DO NOT SCALE PRINT

IF IN DOUBT ASK



TOLERANCES - GENERAL +/-0.5mm / +/-0.020" WELDED ASSEMBLIES +/-0.5mm / +/-0.040" - UNLESS OTHERWISE STATED

METRIC

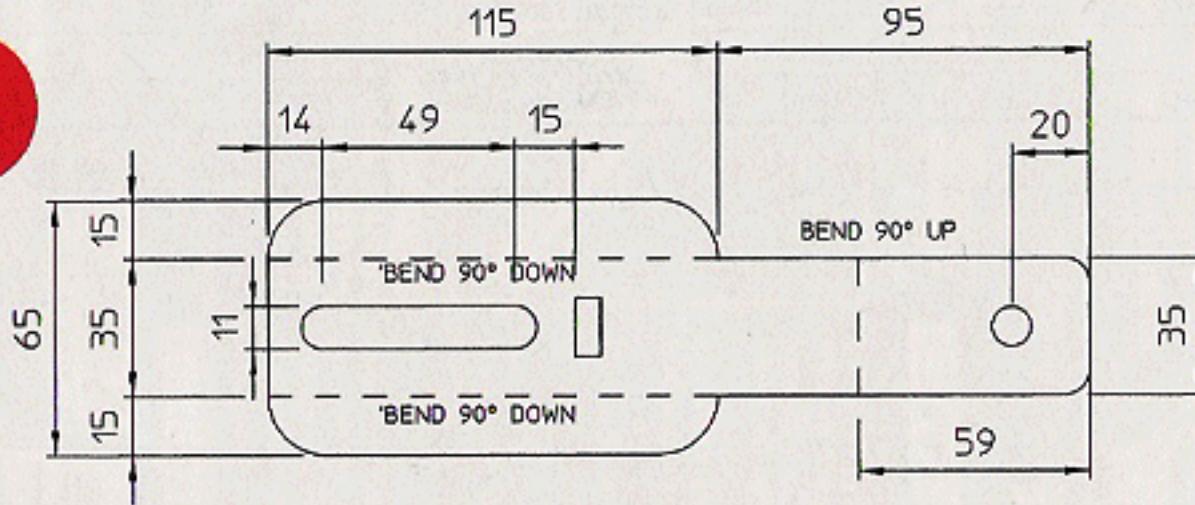
SCALE N.T.S

SLOT 60mm X 11mm

RECTANGULAR CUT OUT 6.5mm X 15mm

HOLE TO SUIT SPINDLE USED

2



ALL SLOTS AND HOLES EQUAL ABOUT THE CENTRE

077.

ROUTE							ITEM	ARCH FLARING TOOL	MATERIAL DETAILS
TIME							PO#	ARCH FLARING TOOL	5mm THICK MILD STEEL
QA							DESCRIPTION	ROLLER PLATE	QTY. PER 1 CONTRACT NO
RETURN ALL PIECE PARTS TO P.F.	ISS	DATE	ITEM	MARK	REF.	CHECDED	D.A.	DRAWN	D.A.

CARRIER
BULK MATERIALS HANDLING

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

DO NOT SCALE PRINT

IF IN DOUBT ASK



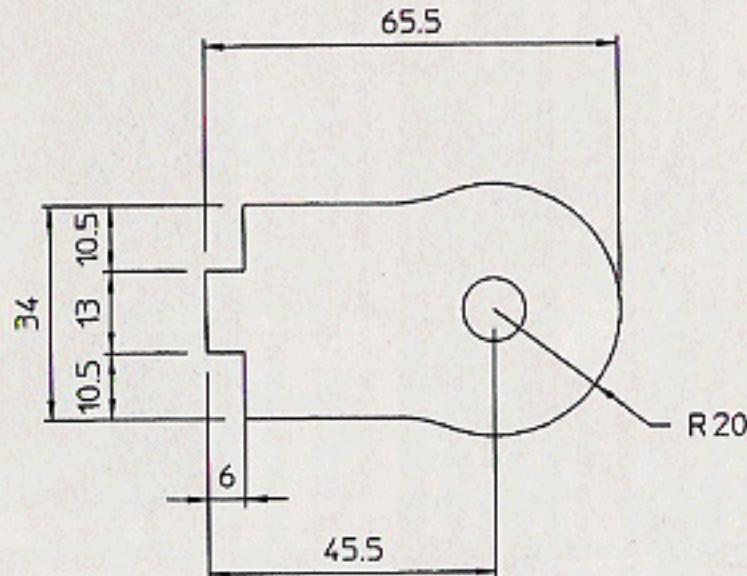
TOLERANCES - GENERAL ±0.5mm/±0.0207 WELDED ASSEMBLIES ±1mm/±0.0407 - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S

HOLE TO SUIT SPINDLE USED

3



ALL SLOTS AND HOLES EQUAL ABOUT THE CENTRE

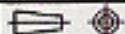
072

ROUTE	TIME	Q.A.	CARRIER	ITEM	NAME	REF.	CHECKED	D.A.	DRAWN	D.A.	MATERIAL DETAILS		
											DESCRIPTION	OTQ. PER	CONTRACT NO.
			BULK MATERIALS HANDLING								ROLLER PLATE	1	CARRIER ORDER/ DRAWING NO. PART 3
RETURN ALL PIECE PARTS TO P.F.			ISS	DATE							SHEET 1 OF 1		

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



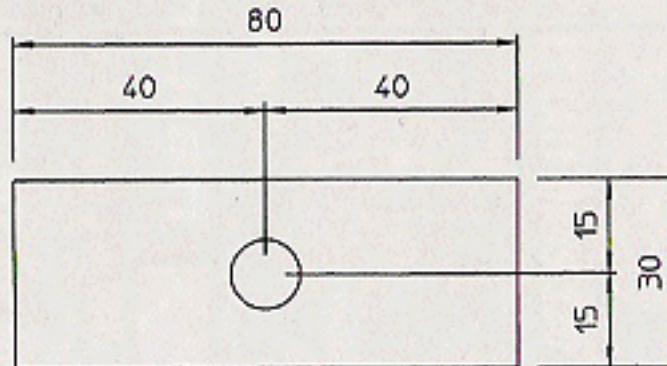
TOLERANCES - GENERAL +0.5mm/-0.20mm WELDED ASSEMBLIES +10mm/-0.040mm - UNLESS OTHERWISE STATED

METRIC

SCALE N.T.S

1 HOLE Ø11.0mm

4



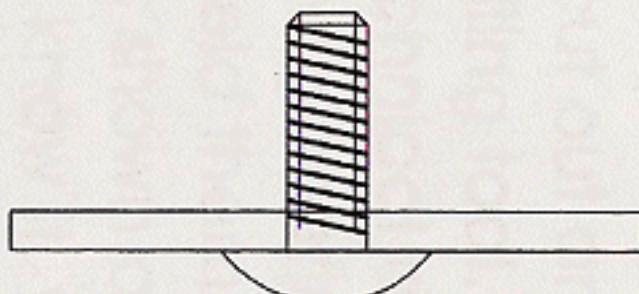
QTY.

ROUTE							CLIENT	MATERIAL DETAILS		
TIME							P.NO.	5mm THICK MILD STEEL		
DA.							DESCRIPTION	QTY. PER	CONTRACT NO.	
RETURN ALL PIECE PARTS TO P.F.	ISS	DATE	ITEM	MARK	REF.	CHECKED	D.A.	DRWNN	D.A.	SHEET 1 OF 1
										CARRIER ORDER / DRAWING NO.

PART 4

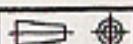
Above: an M10 bolt needs to be welded through the hole and this section welded to the cut down jack.. The adjustable wheel section then sits over the upturned bolt and is loosely attached

5

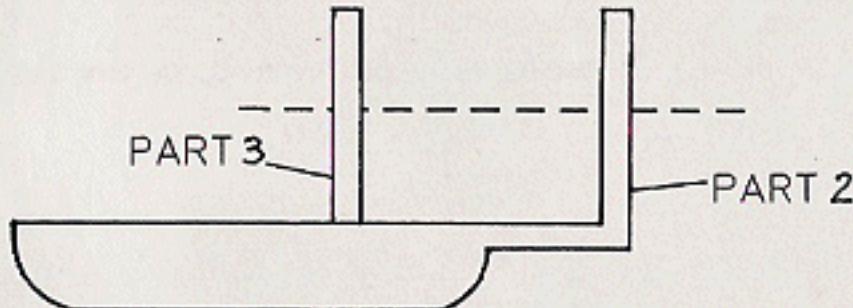


10

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

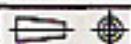


6



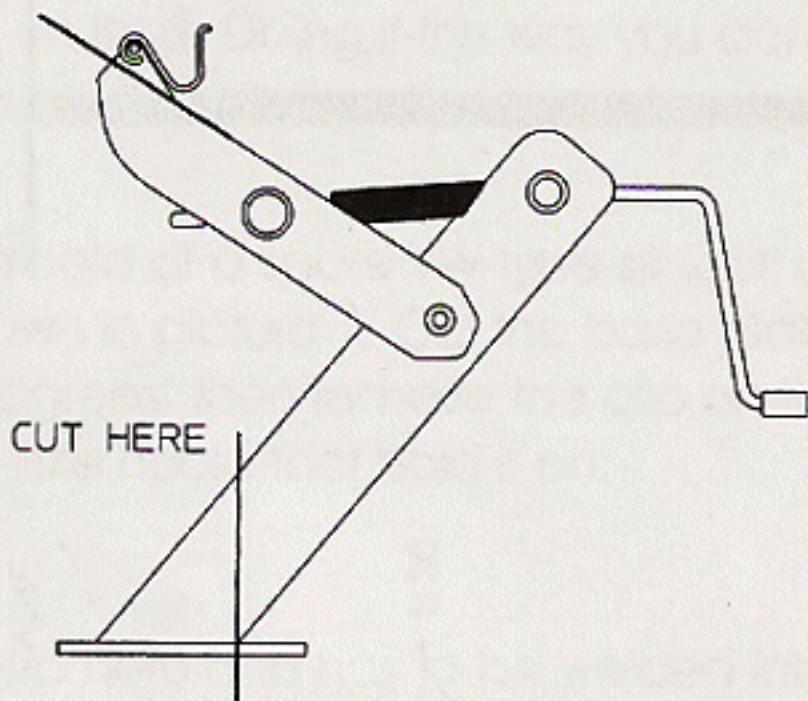
ROUTE						 CARRIER BULK MATERIALS HANDLING	CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS 5mm THICK MILD STEEL					
TIME							P.O.No	ARCH FLARING TOOL						
QA							DESCRIPTION	ROLLER PLATE	QTY. PER	1	CONTRACT No.			
RETURN ALL PIECE PARTS TO P.F.			ISS	DATE	ITEM	MATERIAL	REF.	CHECKED	D.A.	DRAWING	D.A.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



CUT HERE

7



QTY.

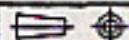
ROUTE						CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS
TIME						P.Q.M	ARCH FLARING TOOL	STANDARD VW SILL JACK
QA						DESCRIPTION	CUTTING POINTS	QTY. PER 1 CONTRACT NO.
RETURN ALL PIECE PARTS TO P.F.	ISS	DATE	ITEM	MARK	REF.	CHEEDED	D.A.	DRAWN D.A.
								SHEET 1 OF 1 CARRIER ORDER# DRAWING NO.

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

DO NOT SCALE PRINT

IF IN DOUBT ASK

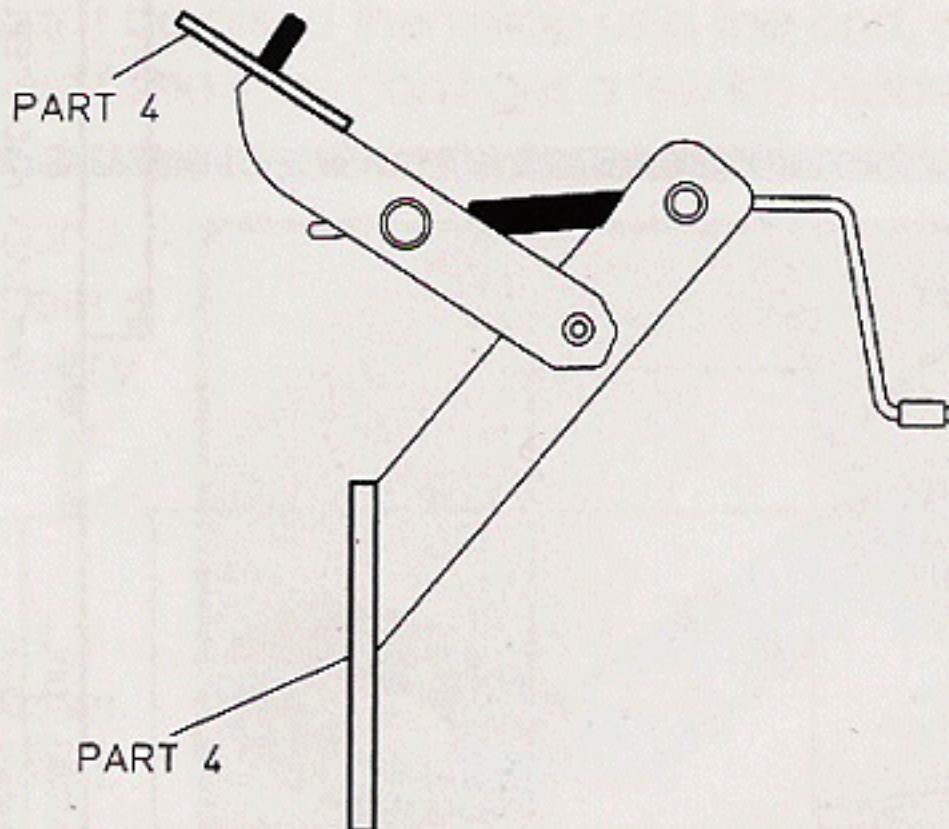


TOLERANCES - GENERAL AS56100207 WELDED ASSEMBLIES AS5609407 - UNLESS OTHERWISE STATED

METRIC

SCALE NTS

8



D.Y.

ROUTE							CLIENT	ARCH FLARING TOOL	MATERIAL DETAILS		
TIME							PO#	ARCH FLARING TOOL	STANDARD VW SILL JACK		
QA							DESCRIPTION	FINISHED TOOL	G.Q. PER	1	CONTRACT NO
RETURN ALL PIECE PARTS TO P.F.				SS DATE	REMARK	REF.	CHECKED	D.A.	DRAWN	D.A.	SHEET 1 OF 1
											CARRIER ORDER# / DRAWING NO

CARRIER
CARRIER
BULK MATERIALS HANDLING

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