

Product: JCB 530, 533, 535, 540 Loadall Telescopic Handler Service Repair Manual
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Service Manual

LOADALL

Models:
530, 533, 535, 540
from Serial No. 767001

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Introduction

This publication is designed for the benefit of JCB Distributor Service Engineers who are receiving, or have received, training by JCB International Training Centre.

These personnel should have a sound knowledge of workshop practice, safety procedures, and general techniques associated with the maintenance and repair of hydraulic earthmoving equipment.

Renewal of oil seals, gaskets, etc., and any component showing obvious signs of wear or damage is expected as a matter of course. It is expected that components will be cleaned and lubricated where appropriate, and that any opened hose or pipe connections will be blanked to prevent excessive loss of hydraulic fluid and ingress of dirt. Finally, please remember above all else **SAFETY MUST COME FIRST!**

How to use this manual

The manual is compiled in sections, the first three are numbered and contain information as follows:

- 1** = **General Information** - includes torque settings and service tools.
- 2** = **Care & Safety** - includes warnings and cautions pertinent to aspects of workshop procedures etc.
- 3** = **Routine Maintenance** - includes service schedules and recommended lubricants for all the machine.

The remaining sections are alphabetically coded and deal with Dismantling, Overhaul etc. of specific components, for example:

- A** = **Attachments**
- B** = **Body & Framework** ...etc.

The page numbering in each alphabetically coded section is not continuous. This allows for the insertion of new items in later issues of the manual.

Section contents, technical data, circuit descriptions, operation descriptions etc are inserted at the beginning of each alphabetically coded section.

READ the section contents to locate machine types, machine type identification **IS NOT** listed on individual pages.

All sections are listed on the title page; tabbed divider cards align directly with individual sections on the front cover for rapid reference.

Where a torque setting is given as a single figure it may be varied by plus or minus 3%. Torque figures indicated are for dry threads, hence for lubricated threads may be reduced by one third.

'Left Hand' and 'Right Hand' are as viewed from the rear of the machine facing forwards.

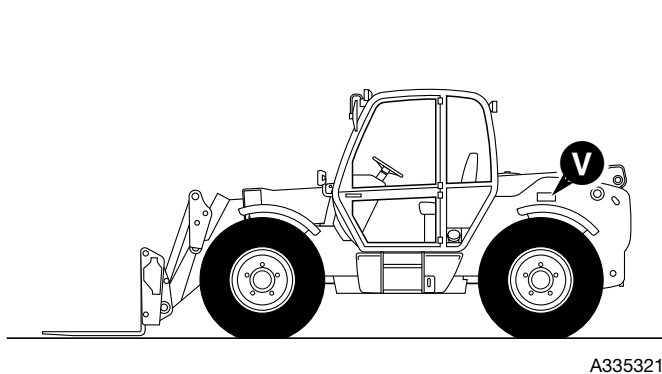
This Service Manual covers the following machines:

- 530
- * 533
- 535
- 540
- * 530FS Plus
- * 540FS Plus
- 530FS Super (530 SXL France)
- 540FS Super (540 SXL France)

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Vehicle Identification Number (VIN)

Your machine has an identification plate **V** mounted as shown. The serial numbers of the machine and its major units are stamped on the plate.



Explanation of Vehicle Identification Number

SLP540RE0767001

A B C D E

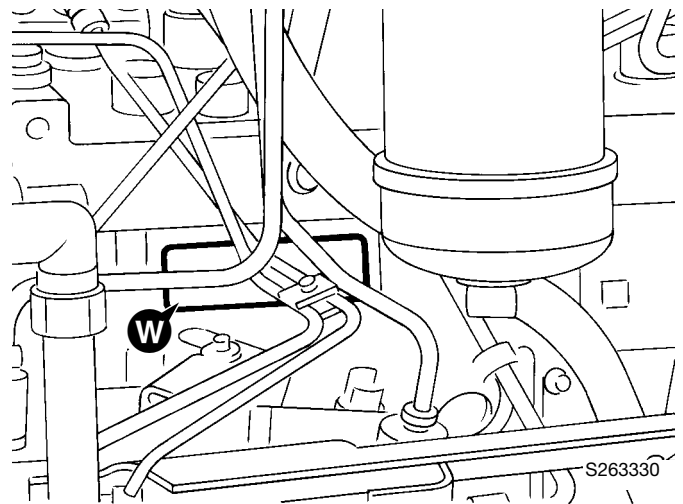
A	World Manufacturer Identification	SLP = JCB
B	Machine Model	540
C	Year of Manufacture:	S
	P = 1993	V = 1997
	R = 1994	W = 1998
	S = 1995	X = 1999
	T = 1996	Y = 2000
		1 = 2001
		2 = 2002
		3 = 2003
		4 = 2004
D	Manufacturing Location	E = England
E	Machine Serial Number	0754001

The serial number of each major unit is also stamped on the unit itself. If a major unit is replaced by a new one, the serial number on the identification plate will be wrong. Either stamp the new number of the unit on the identification plate, or simply stamp out the old number. This will prevent the wrong unit number being quoted when replacement parts are ordered.

The machine and engine serial numbers can help identify exactly the type of equipment you have.

Engine Identification Number

The engine serial number is stamped on a label **W** which is fastened to the right side of the cylinder block, near the fuel filter.



Typical Engine Identification Number

AA 50261 U 500405 P

A B C D E

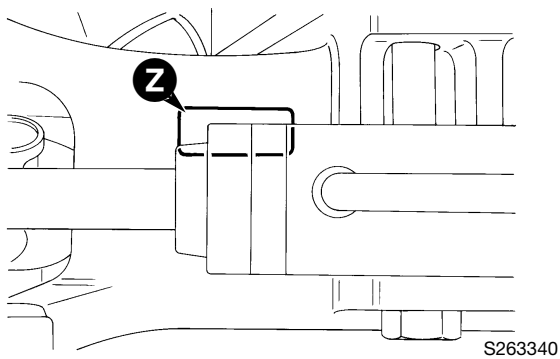
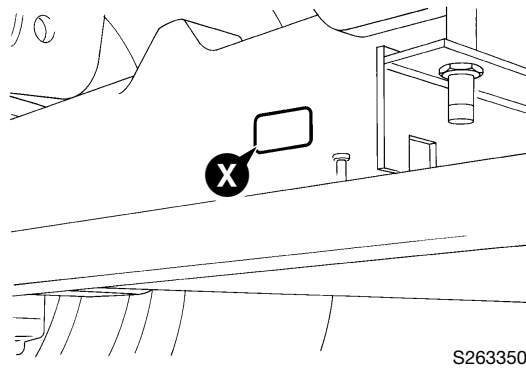
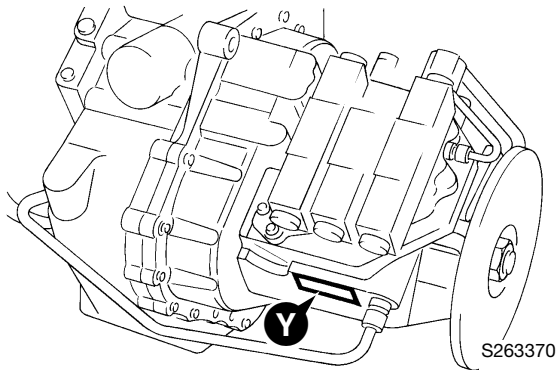
A	Engine Type:
	AA = 4 cylinder naturally aspirated
	AB = 4 cylinder turbo
	AR = 4 cylinder naturally aspirated - Low emission
	AK = 4 cylinder turbo - Low emission
B	Build Number
C	Country of Origin
D	Engine Sequence Number
E	Year of Manufacture

Transmission Identification Number

The Transmission serial number is stamped on label **Y** which is mounted on the side face.

The rear axle serial number is stamped on plate **X** mounted to the front face of the axle.

The front axle serial number is stamped on plate **Z** mounted on the rear face of the axle.



Torque Settings

Use only where no torque setting is specified in the text. Values are for dry threads and may be within three per cent of the figures stated. For lubricated threads the values should be REDUCED by one third.

UNF Grade 'S' Bolts

Bolt Size in	(mm)	Hexagon (A/F) in	Torque Settings		
			Nm	kgf m	lbf ft
1/4	(6.3)	7/16	14	1.4	10
5/16	(7.9)	1/2	28	2.8	20
3/8	(9.5)	9/16	49	5.0	36
7/16	(11.1)	5/8	78	8.0	58
1/2	(12.7)	3/4	117	12.0	87
9/16	(14.3)	13/16	170	17.3	125
5/8	(15.9)	15/16	238	24.3	175
3/4	(19.0)	1 1/8	407	41.5	300
7/8	(22.2)	1 5/16	650	66.3	480
1	(25.4)	1 1/2	970	99.0	715
1 1/4	(31.7)	1 7/8	1940	198.0	1430
1 1/2	(38.1)	2 1/4	3390	345.0	2500

Metric Grade 8.8 Bolts

Bolt Size	(mm)	Hexagon (A/F) mm	Torque Settings		
			Nm	kgf m	lbf ft
M5	(5)	8	7	0.7	5
M6	(6)	10	12	1.2	9
M8	(8)	13	28	3.0	21
M10	(10)	17	56	5.7	42
M12	(12)	19	98	10	72
M16	(16)	24	244	25	180
M20	(20)	30	476	48	352
M24	(24)	36	822	84	607
M30	(30)	46	1633	166	1205
M36	(36)	55	2854	291	2105

Rivet Nut Bolts/Screws

Bolt Size	(mm)	Torque Settings (for steel rivet nuts)		
		Nm	kgf m	lbf ft
M3	(3)	1.2	0.12	0.9
M4	(4)	3.0	0.3	2.0
M5	(5)	6.0	0.6	4.5
M6	(6)	10.0	1.0	7.5
M8	(8)	24.0	2.5	18.0
M10	(10)	48.0	4.9	35.5
M12	(12)	82.0	8.4	60.5

Note: All bolts used on JCB machines are high tensile and must not be replaced by bolts of a lesser tensile specification.

Service Tools

Numerical List

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1406/0014	Bonded Washer	6-1	892/00075	Female Connector	6-2
1406/0018	Bonded Washer	6-1	892/00076	Female Connector	6-2
1406/0021	Bonded Washer	6-1	892/00077	Female Connector	6-2
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1606/0017	Adapter	6-3	892/00261	5/8" UNF Test Point	6-3
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4101/0451	JCB Threadlocker	9-1	892/00265	1" M BSP 1" F BSP	6-1
4101/0552	JCB Threadlocker and Sealer (high strgth)	9-1	892/00268	Flow Monitoring Unit	6-1
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4102/0901	Clear Silicone Sealant	9-1	892/00271	Adapter	6-1
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4102/1951	JCB Threadseal	9-1	892/00274	Adapter	6-3
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993/70100	Powershift Endfloat Checking Kit	7-4
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The following parts are replacement items for kits and would normally be included in the kit numbers above.

Replacement item for kit no. 892/00180

892/00181	Replacement Boss	8-1
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Numerical List**Solid Spacer Setting Tools**

		Page No	
1	892/00918	Setting Tool Kit. Contains the following: A Sleeve for M24 Pinion B Adapter for M30 Pinion C fork (suitable for all axles) The following setting tools must be purchased separately: 892/00945 A Sleeve for M30 Pinion 997/11100 B Adapter for M24 Pinion 997/11000 Drive Head Setting Bracket 993/70111 Breack-back Torque Wrench - Solid spacer (see parts CD or microfiche for part numbers)	7-5
2	997/11000		
3	993/70111		

Ram Seal Protection Sleeves

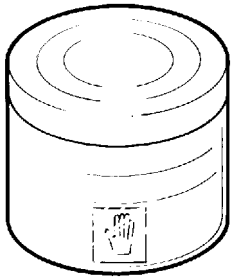
		Page No
892/01016	For 25 mm Rod Diameter	
892/01017	For 30 mm Rod Diameter	
892/01018	For 40 mm Rod Diameter	
892/01019	For 50 mm Rod Diameter	
892/01020	For 50 mm Rod Diameter (slew ram)	
892/01021	For 60 mm Rod Diameter	
892/01022	For 60 mm Rod Diameter (slew ram)	
892/01023	For 65 mm Rod Diameter	
892/01024	For 70 mm Rod Diameter	
892/01025	For 75 mm Rod Diameter	
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892/01027	Piston Seal Assembly Tool	

Powershift Endfloat Checking Kit (5 speed)

		Page No
993/70104	Pillar, Input Shaft (5 speed)	
892/01057	Pillar, 5th Speed Shaft	
892/01056	Setting Body (5 speed)	

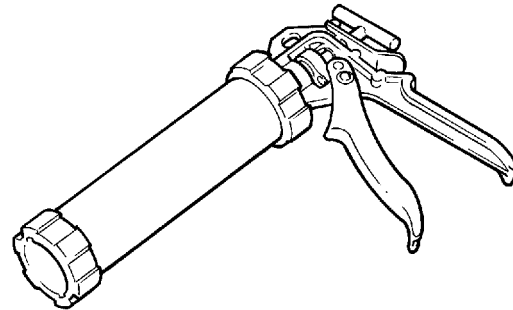
Service Tools

Section B - Body and Framework



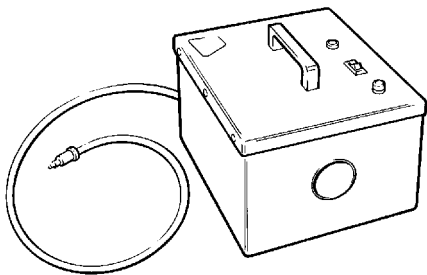
S186240

4104/1310 (454g; 1lb tub)
Hand Cleaner - special blend for the removal of polyurethane adhesives.



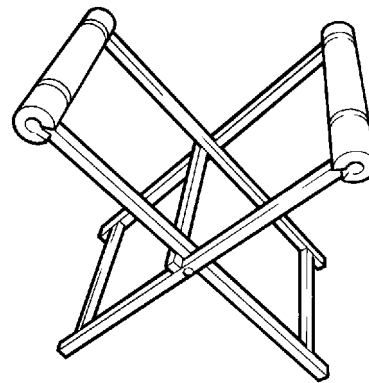
S186270

892/00845
Cartridge Gun - hand operated - essential for the application of sealants, polyurethane materials etc.



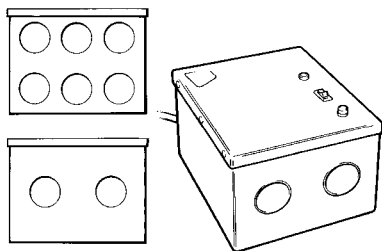
S186250

992/12300 - 12V Mobile Oven - 1 cartridge capacity - required to pre-heat adhesive prior to use. It is fitted with a male plug (703/23201) which fits into a female socket (715/04300).



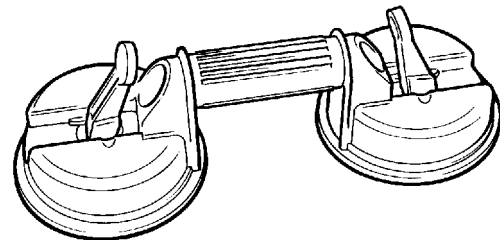
S186280

892/00843- Folding Stand for Holding Glass - essential for preparing new glass prior to installation.



S186260

992/12400 - 2 cartridge x 240V
992/12600 - 6 cartridge x 240V - 240V Static Oven - available with 2 or 6 cartridge capacity - required to pre-heat adhesive prior to use. No plug supplied. Note: 110V models available upon request - contact JCB Technical Service

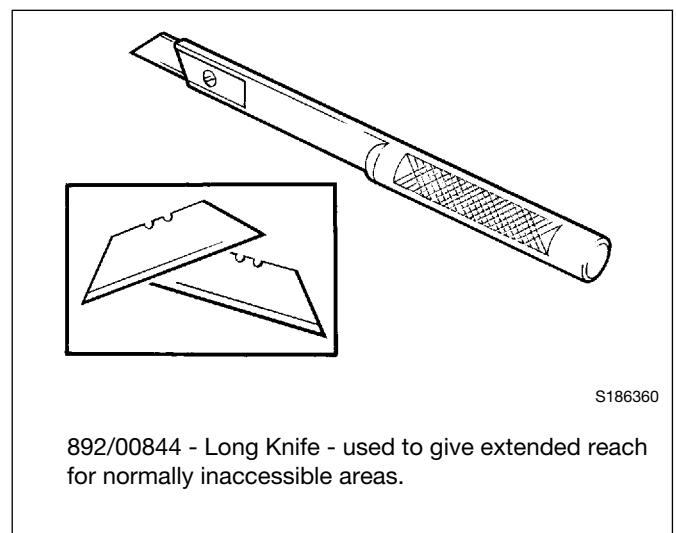
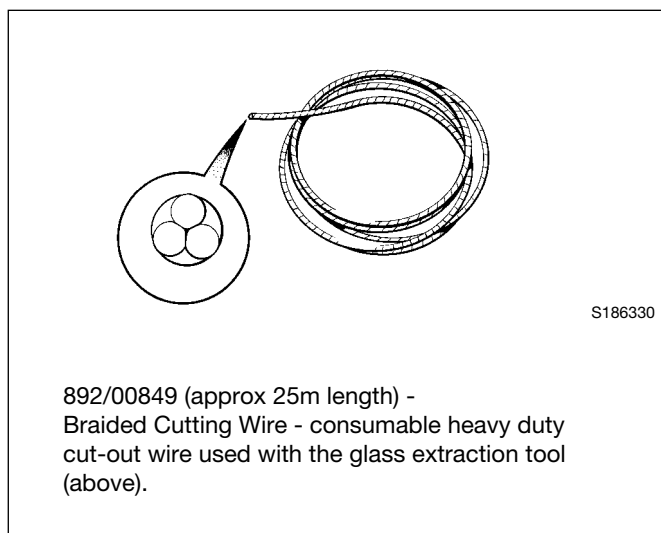
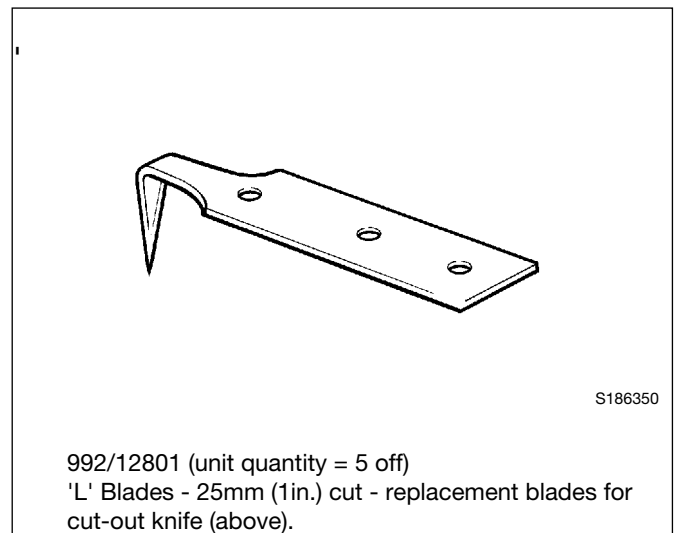
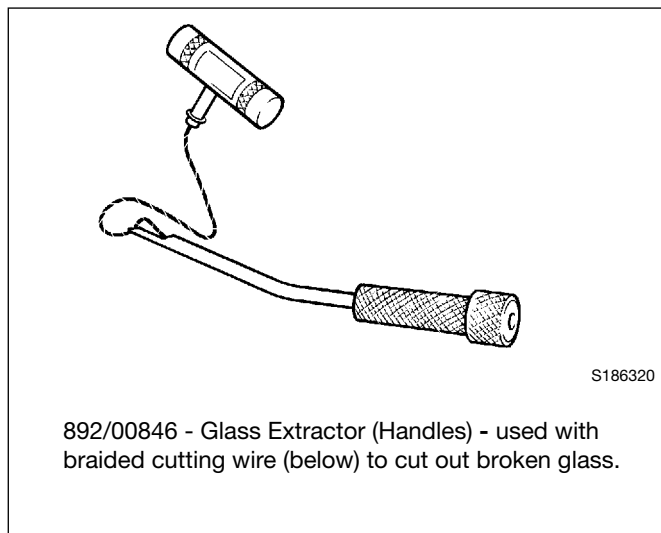
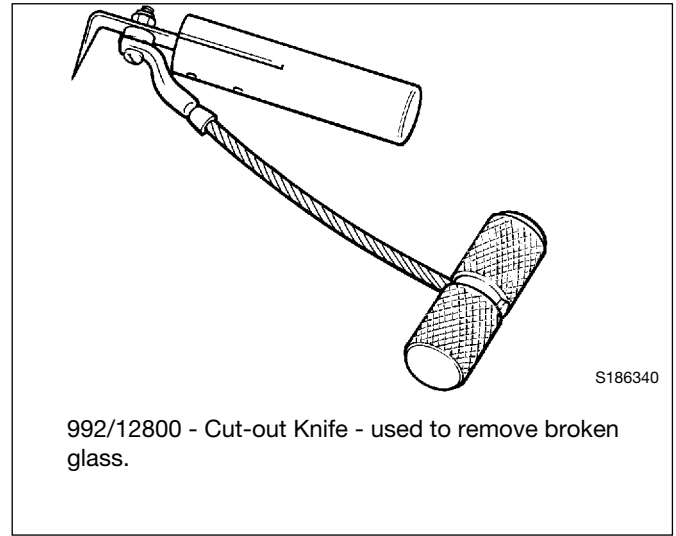
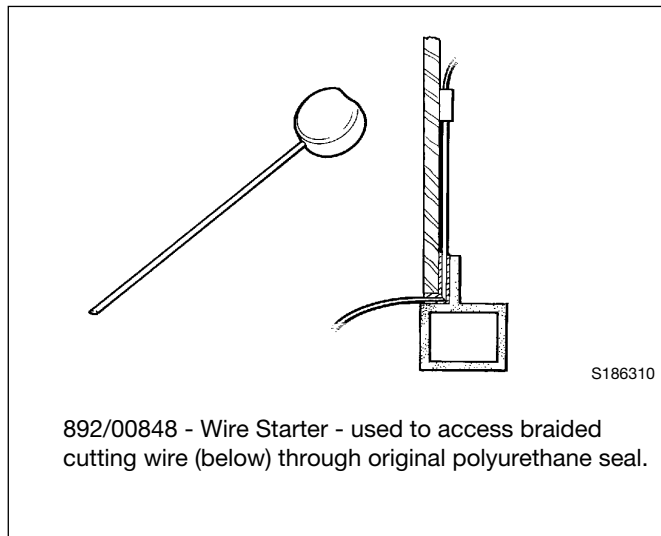


S186300

892/00842 - Glass Lifter - minimum 2 off - essential for glass installation, 2 required to handle large panes of glass. Ensure suction cups are protected from damage during storage.

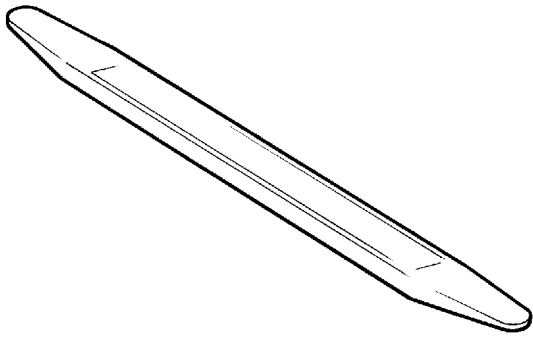
Service Tools (cont'd)

Section B - Body and Framework (cont'd)



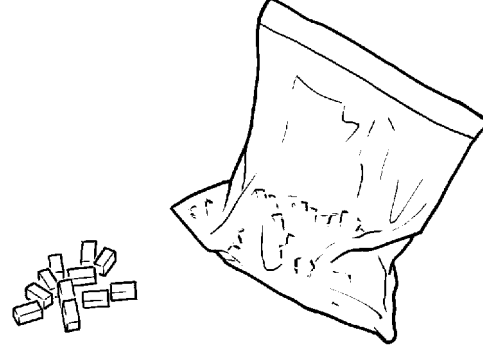
Service Tools (cont'd)

Section B - Body and Framework (cont'd)



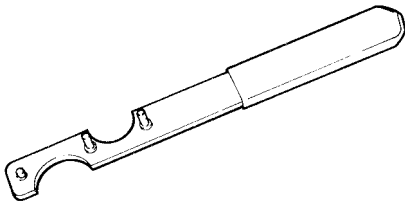
S186470

892/00847 - Nylon Spatula - general tool used for smoothing sealants - also used to re-install glass in rubber glazing because metal tools will chip the glass edge.



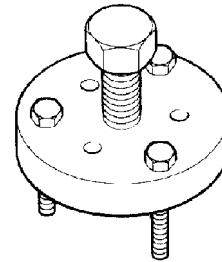
S186550

926/15500 (unit quantity = 500 off)
Rubber Spacer Blocks - used to provide the correct set clearance between glass edge and cab frame.



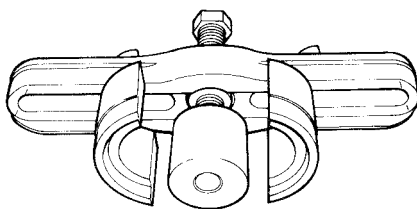
S200940

892/00801 Clutch spanner
for air conditioning compressor



S200970

892/00807 Front plate puller
for air conditioning compressor



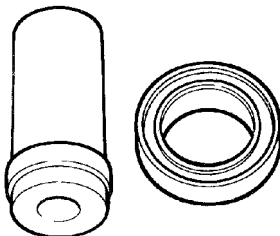
S200950

892/00802 Rotor puller set
for air conditioning compressor



S200980

892/00808 Shaft protector
for air conditioning compressor

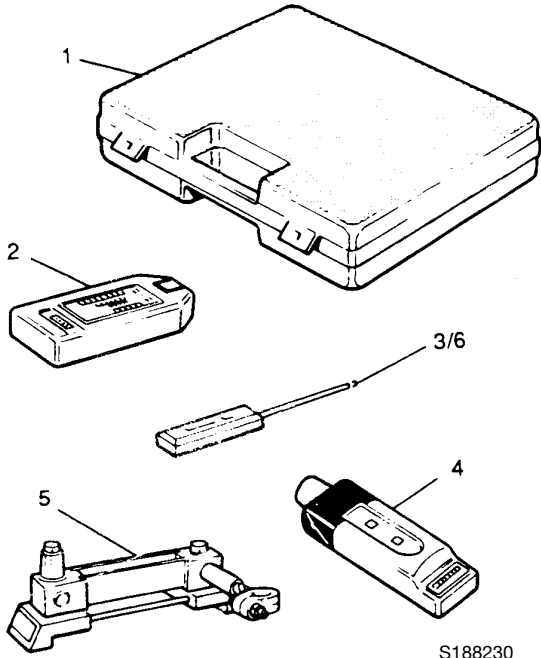


S200960

892/00803 Rotor installer set
for air conditioning compressor

Service Tools

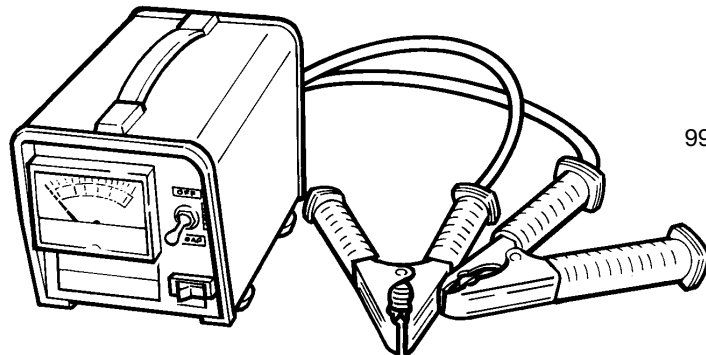
Section C - Electric



AVO Test Kit

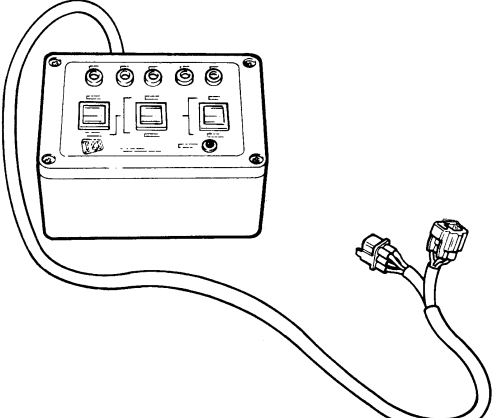
1	892/00283	Tool Kit Case
2	892/00281	AVO Meter
3	892/00286	Surface Temperature Probe
4	892/00284	Venture Microtach Digital Tachometer
5	892/00282	100 amp Shunt - open type
6	892/00285	Hydraulic Temperature Probe

S188230



993/85700 Battery Tester

S239510



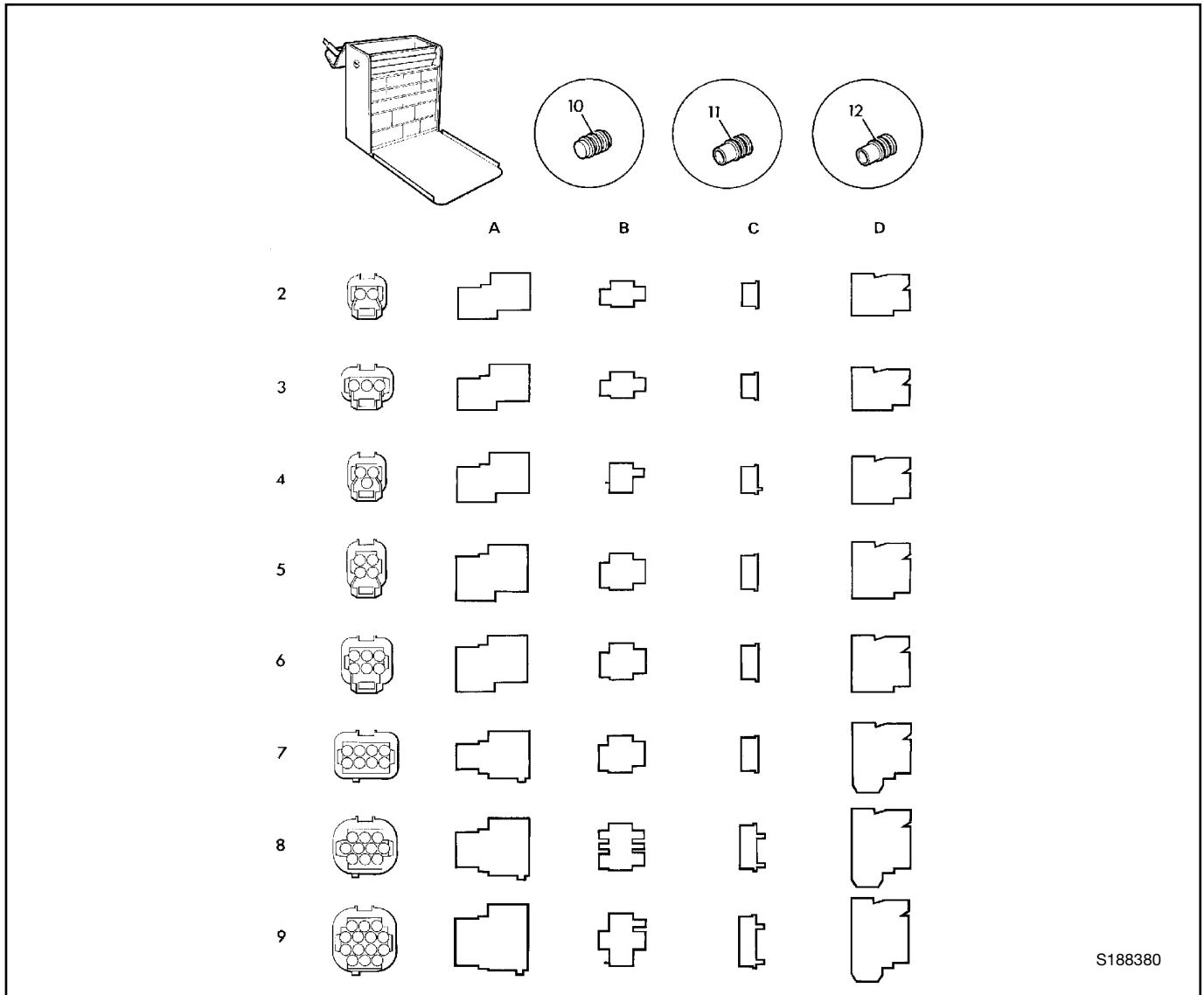
892/00905 Test Box for Safe Load Indicator and Load Moment Indicator

S244961

Service Tools (cont'd)

Section C - Electrics

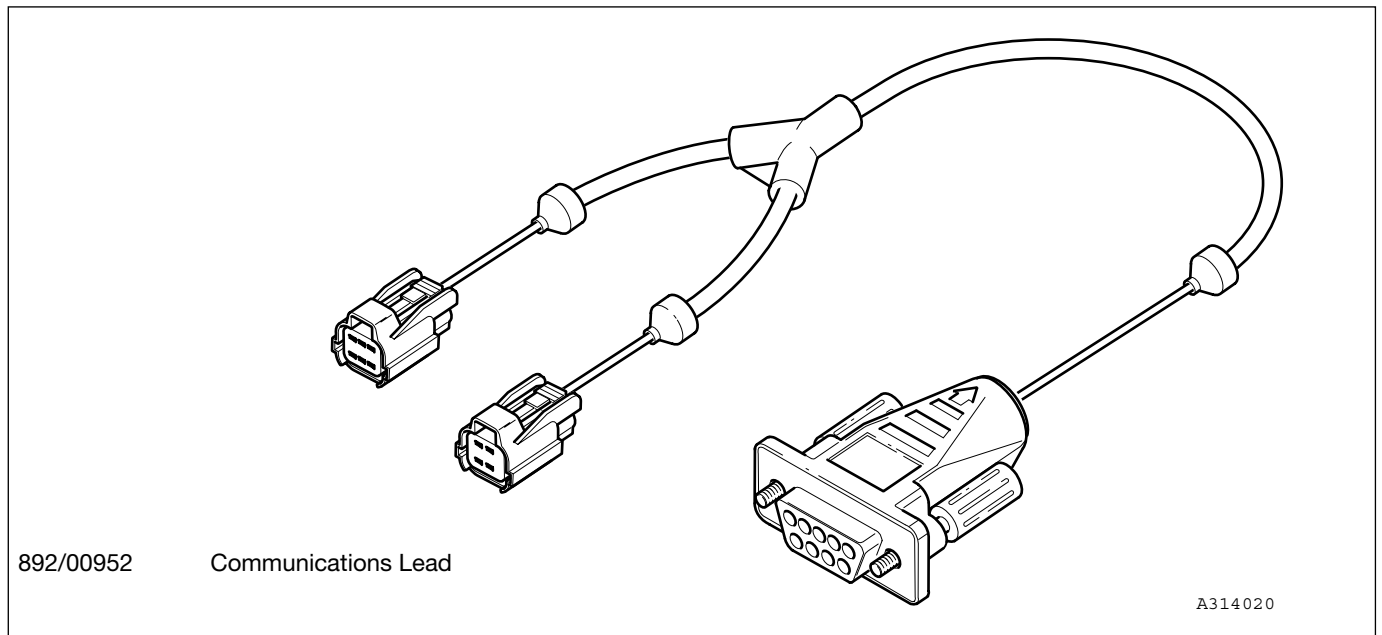
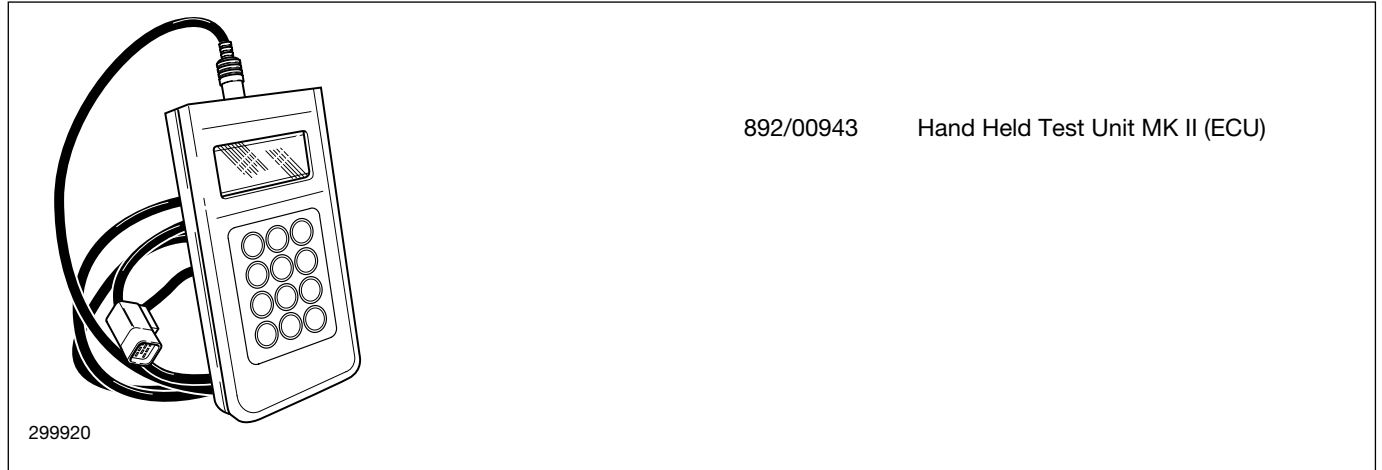
	Electrical Repair Kit		
2A	7212/0002	2 Way Pin Housing	6A 7216/0002
2B	7212/0004	2 Way Pin Retainer	6B 7216/0004
2C	7212/0003	2 Way Socket Retainer	6C 7216/0003
2D	7212/0001	2 Way Socket Connector	6D 7216/0001
3A	7213/0002	3 Way Pin Housing	7A 7218/0002
3B	7213/0004	3 Way Pin Retainer	7B 7218/0004
3C	7213/0003	3 Way Socket Retainer	7C 7218/0003
3D	7213/0001	3 Way Socket Connector	7D 7218/0001
4A	7213/0006	3 Way Pin Housing (DT)	8A 7219/0002
4B	7213/0008	3 Way Pin Retainer (DT)	8B 7219/0004
4C	7213/0007	3 Way Socket Retainer (DT)	8C 7219/0003
4D	7213/0005	3 Way Socket Connector (DT)	8D 7219/0001
5A	7214/0002	4 Way Pin Housing	9A 7219/0006
5B	7214/0004	4 Way Pin Retainer	9B 7219/0008
5C	7214/0003	4 Way Socket Retainer	9C 7219/0007
5D	7214/0001	4 Way Socket Connector	9D 72190005
			10 7210/0001
			11 7210/0002
			12 7210/0003



S188380

Service Tools (cont'd)

Section C - Electrics

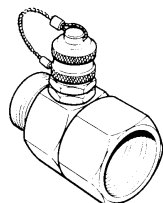
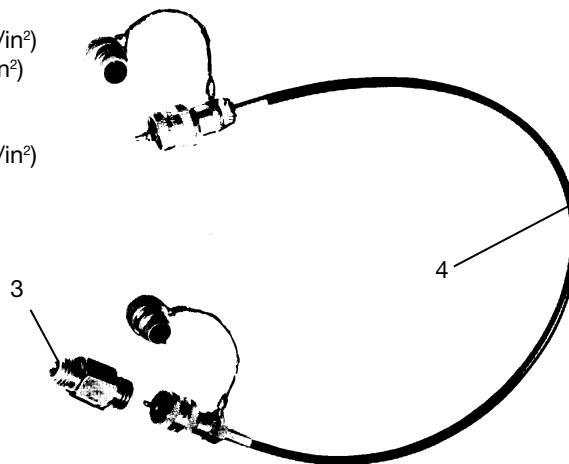
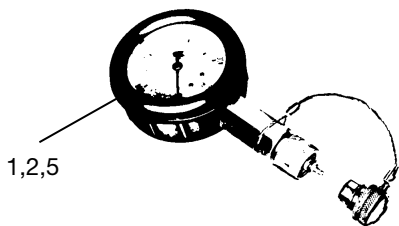


Service Tools (cont'd)

Section E - Hydraulics

*Hydraulic Circuit Test Gauges and Connections

- 1 892/00279 Pressure Gauge 0-400 bar (0-6000 lbf/in²)
- 2 892/00346 Pressure Gauge 0-70 bar (0-1000 lbf/in²)
- 3 892/00347 Connector
- 4 892/00254 Hose
- 5 892/00280 Pressure Gauge 0-600 bar (0-9000 lbf/in²)



S188130

PressureTest 'T' Adaptors

- 892/00262 1/4 in M BSP x 1/4 in F BSP x Test Point
- 816/55038 3/8 in M BSP x 3/8 in F BSP x Test Point
- 816/55040 1/2 in M BSP x 1/2 in F BSP x Test Point
- 892/00263 5/8 in M BSP x 5/8 in F BSP x Test Point
- 892/00264 3/4 in M BSP x 3/4 in F BSP x Test Point
- 892/00265 1 in M BSP x 1 in F BSP x Test Point



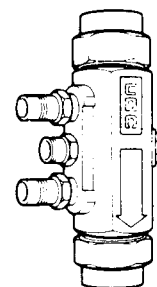
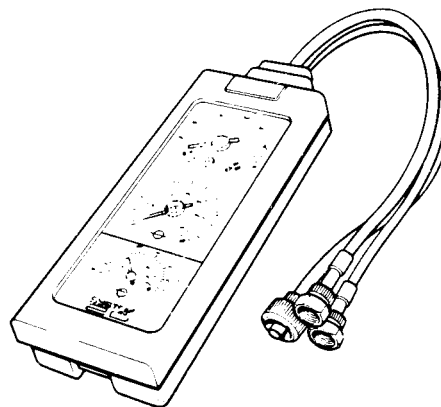
S188140

Bonded Washers

- 1406/0011 1/4 in. BSP
- 1406/0018 1/2 in. BSP
- 1406/0014 5/8 in. BSP
- 1406/0021 3/4 in. BSP
- 1406/0029 1 1/4 in. BSP

Flow Test Equipment

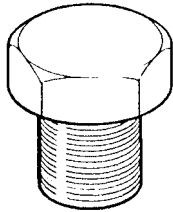
- 892/00268 Flow Monitoring Unit
- 892/00269 Sensor Head 0 to 100 l/min (0 to 22 UK gal/min)
- 892/00270 Load Valve
- 1406/0021 Bonded Washer
- 1604/0006 Adapter 3/4 in M x 3/4 M BSP
- 1612/0006 Adapter 3/4 in F x 3/4 M BSP
- 892/00271 Adapter 3/4 in F x 5/8 M BSP
- 892/00272 Adapter 5/8 in F x 3/4 M BSP
- 816/20008 Adapter 3/4 in F x 1/2 M BSP
- 892/00275 Adapter 1/2 in F x 3/4 M BSP
- 892/00276 Adapter 3/4 in F x 3/8 M BSP
- 892/00277 Adapter 3/4 in F x 3/4 M BSP



S188150

Service Tools (cont'd)

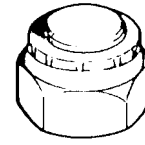
Section E - Hydraulics



S193870

Female Cone Blanking Cap

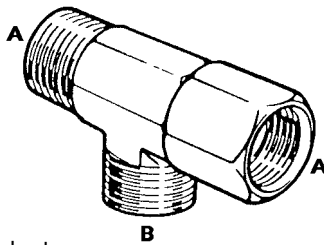
892/00055 1/4 in. BSP
 892/00056 3/8 in. BSP
 892/00057 1/2 in. BSP
 892/00058 5/8 in. BSP
 892/00059 3/4 in. BSP
 892/00060 1 in. BSP



S193880

Male Cone Blanking Cap

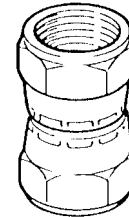
816/00294 1/4 in. BSP
 816/00189 3/8 in. BSP
 816/00190 1/2 in. BSP
 816/00197 5/8 in. BSP
 816/00196 3/4 in. BSP
 816/00193 1 in. BSP



S193890

T Adapters

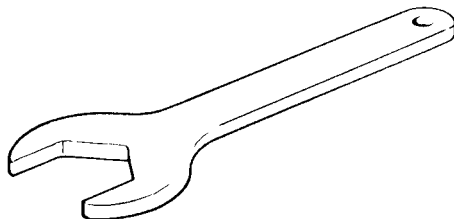
892/00047 3/8 in. BSP (A) x 1/4 in. BSP (B)
 892/00048 1/2 in. BSP (A) x 1/4 in. BSP (B)
 892/00049 5/8 in. BSP (A) x 1/4 in. BSP (B)
 816/50043 3/4 in. BSP (A) x 1/4 in. BSP (B)
 892/00051 1 in. BSP (A) x 1/4 in. BSP (B)



S193900

Female Connectors

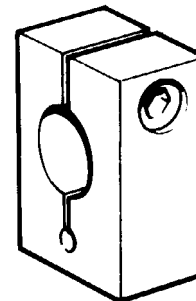
892/00074 3/8 in. BSP x 3/8 in. BSP
 892/00075 1/2 in. BSP x 1/2 in. BSP
 892/00076 5/8 in. BSP x 5/8 in. BSP
 892/00077 3/4 in. BSP x 3/4 in. BSP



S193930

Hexagon Spanners for Ram Pistons and End Caps

992/09500 75mm A/F
 992/09700 95mm A/F



S192410

Spool Clamps

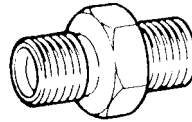
892/00039 Spool Clamp
 992/10100 Spool Clamp
 992/02800 ARV Extractor S188150

Service Tools (cont'd)

* Section E - Hydraulics

Male Adapters - BSP x BSP

1606/0003	$\frac{3}{8}$ in. x $\frac{1}{4}$ in.
1604/0003	$\frac{3}{8}$ in. x $\frac{3}{8}$ in.
892/00071	$\frac{3}{8}$ in. x $\frac{3}{8}$ in. taper
1606/0004	$\frac{1}{2}$ in. x $\frac{1}{4}$ in.
1606/0007	$\frac{1}{2}$ in. x $\frac{3}{8}$ in.
1604/0004	$\frac{1}{2}$ in. x $\frac{1}{2}$ in.
1606/0017	$\frac{5}{8}$ in. x $\frac{1}{2}$ in.
1606/0008	$\frac{3}{4}$ in. x $\frac{3}{8}$ in.
1606/0009	$\frac{3}{4}$ in. x $\frac{1}{2}$ in.
1604/0006	$\frac{3}{4}$ in. x $\frac{3}{4}$ in.
1606/0012	$\frac{3}{4}$ in. x 1 in.
1606/0014	$\frac{3}{4}$ in. x $1\frac{1}{4}$ in.
1606/0015	1 in. x $1\frac{1}{4}$ in.



S193860

Pressure Test Adaptors

892/00255	$\frac{1}{4}$ in. BSP x Test Point
892/00256	$\frac{3}{8}$ in. BSP x Test Point
892/00257	$\frac{1}{2}$ in. BSP x Test Point
892/00258	$\frac{5}{8}$ in. BSP x Test Point
816/15118	$\frac{3}{4}$ in. BSP x Test Point
892/00259	1 in. BSP x Test Point
892/00260	$1\frac{1}{4}$ in. BSP x Test Point
892/00261	$\frac{5}{8}$ in. UNF x Test Point

S200141

Hand Pump Equipment

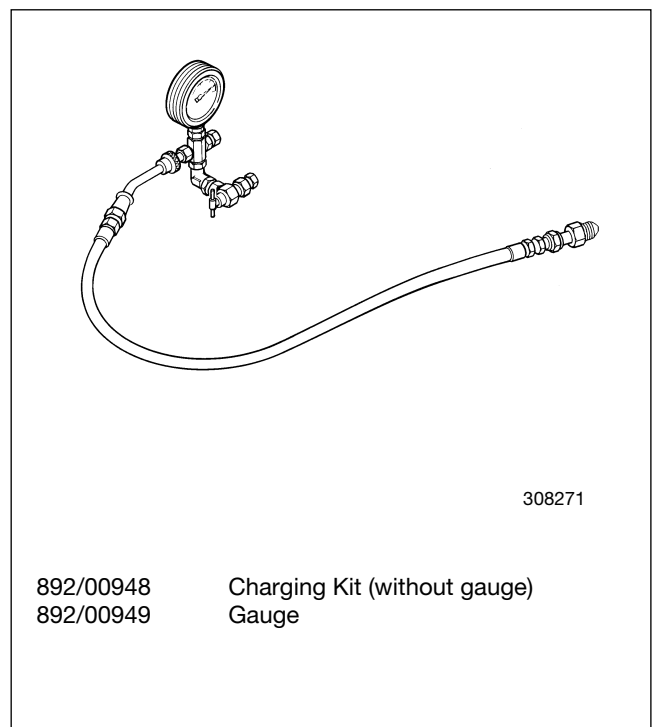
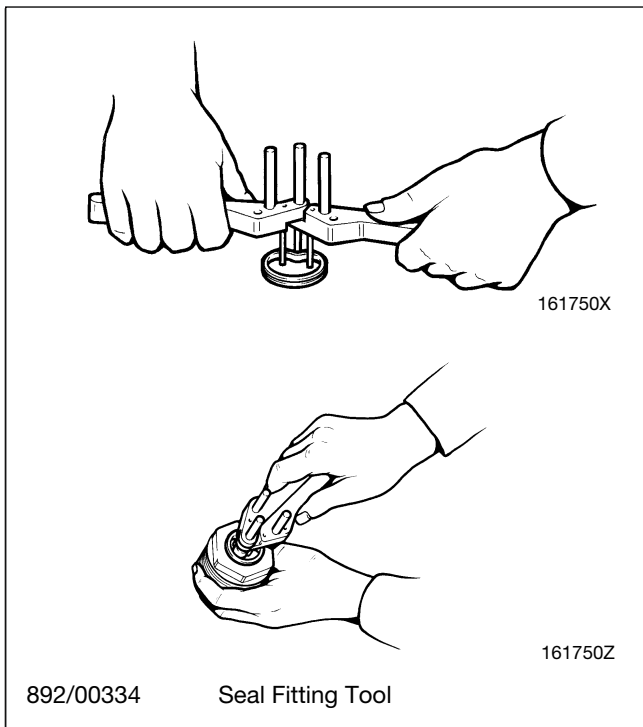
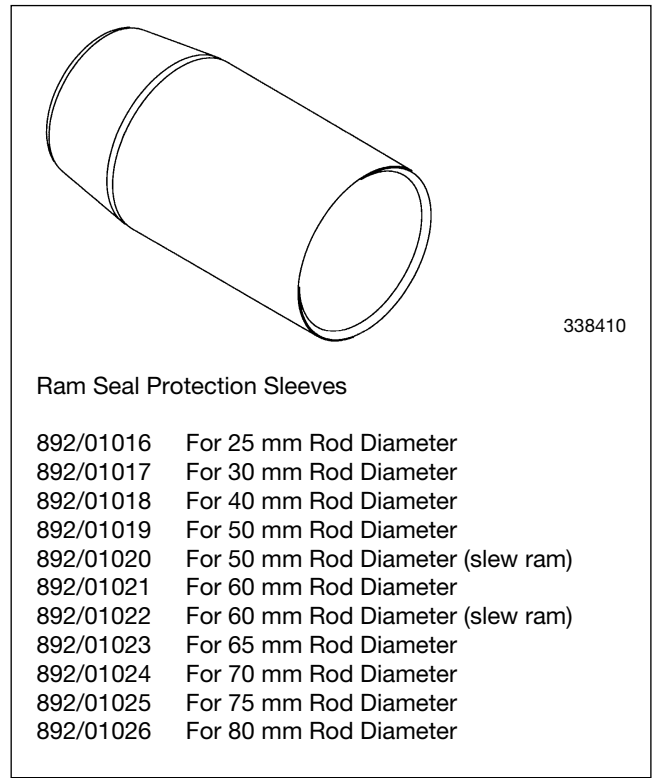
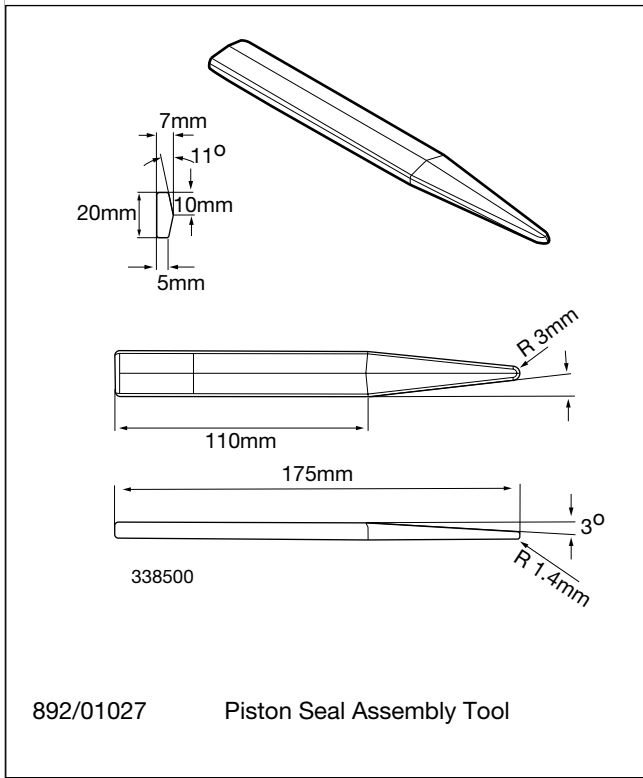
892/00223	Hand Pump
892/00137	Micro-bore Hose $\frac{1}{4}$ in BSP x 5 metres
892/00274	Adapter $\frac{1}{4}$ in M BSP x $\frac{3}{8}$ in M BSP Taper
892/00262	$\frac{1}{4}$ in M BSP x $\frac{1}{4}$ in F BSP x Test Point
892/00706	Test Probe
892/00279	Gauge 0 - 400 bar (0-6000 lbf/in ²)

S193850

Pressure Test Adaptors


892/00964	$\frac{1}{8}$ in BSP x Test Point
892/00965	$\frac{3}{8}$ in BSP x Test Point

320380

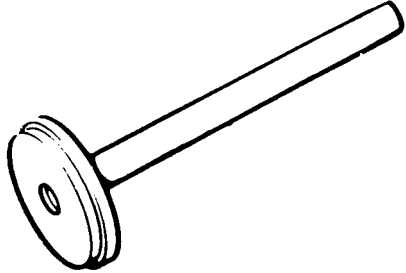


Service Tools (cont'd)

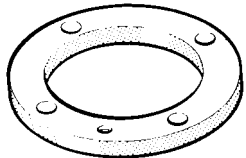
* Section F - Transmission

*  S188160

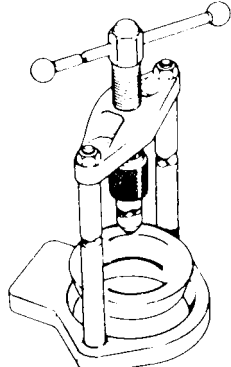
992/07608 Bearing Adapter
 992/07609 Bearing Adapter
 992/07610 Bearing Adapter
 992/07611 Bearing Adapter
 992/07612 Bearing Adapter
 992/07613 Bearing Adapter

*  S188170

992/07603 Replacer- Bearing Cup

*  S188190

892/00295 End Float Setting Tool

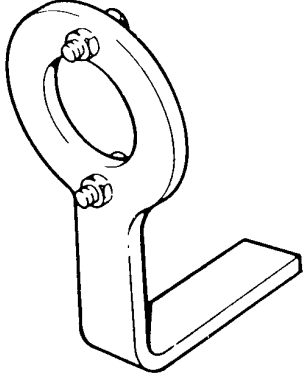
*  S188200

892/00179 Bearing Press

*  S197250

Bevel Box Heavy Duty Sockets

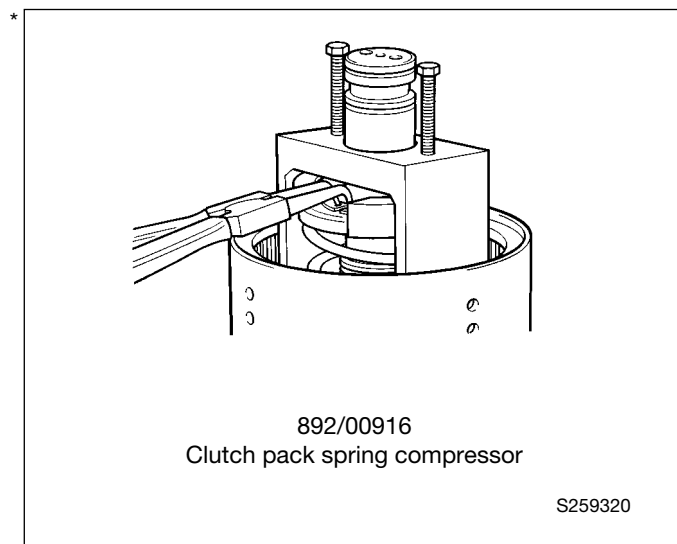
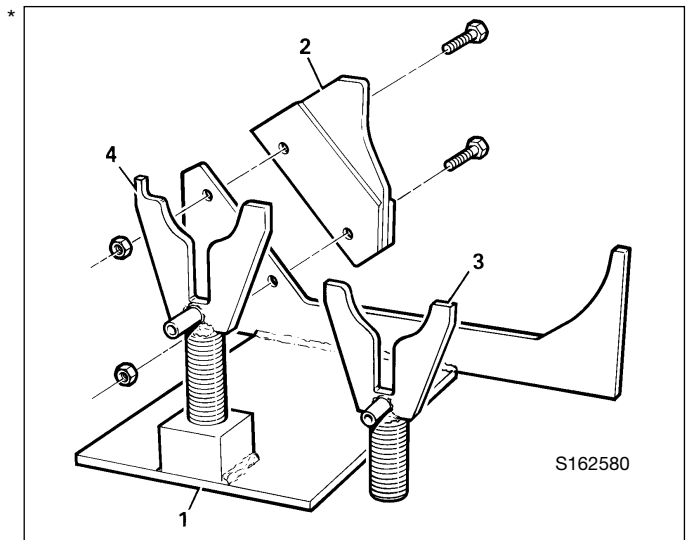
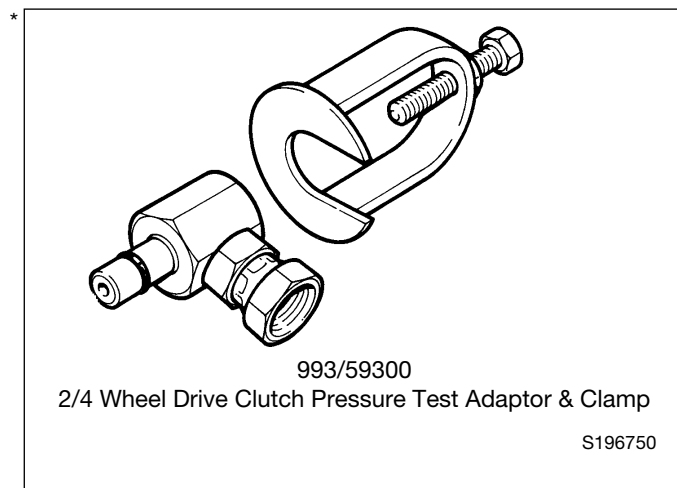
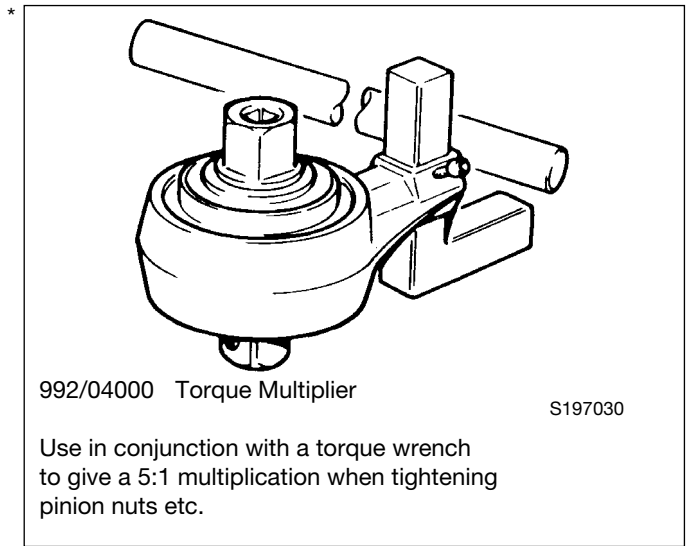
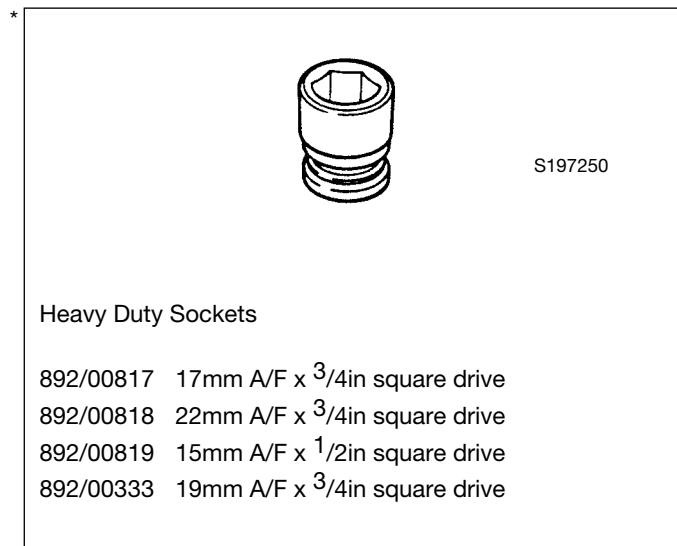
892/00912 46mm
 892/00914 55mm

*  S188220

992/04800 Flange Spanner
 For locking pinion flange while nut is
 slackened or torque set

Service Tools (cont'd)

* Section F - Transmission



Service Tools (cont'd)

Section F - Transmission

Alternative Pump Flow Test Adapters

892/00237 Flow Test Adaptor type **A** (Complete)

- 1 892/00920 Flow Test Adapter
- 2 892/00301 Flow Test Adapter
- 3 892/00302 Flow Test Adapter

Flow Test Adaptor type **B**

- 1 460/15708 Adapter (side ports)
- 2 460/15707 Banjo bolt
- 3 2401/0222 O-ring
- 4 2403/0110 O-ring
- 5 2403/0108 O-ring
- 6 1604/0004 Adapter
- 7 1406/0018 Bonded Washer

Tighten adapters to 56 Nm (41 lbf ft).

Flow Test Adaptor type **C**

- 1 449/03705 Adapter (side/central ports)
- 2 449/03702 Fitting Adapter
- 3 1604/0004 Adapter
- 4 1406/0018 Bonded Washer
- 5 2401/0222 O-ring

892/00812 Drive Coupling Spanner for front and rear axle yoke couplings and for 4WD output coupling.

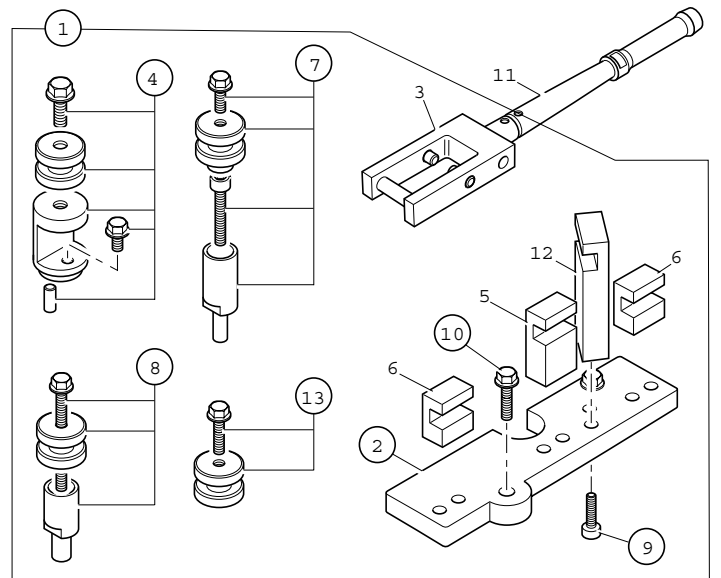
S196720

892/00915 Bevel box gear reaction block S259340

Service Tools (cont'd)

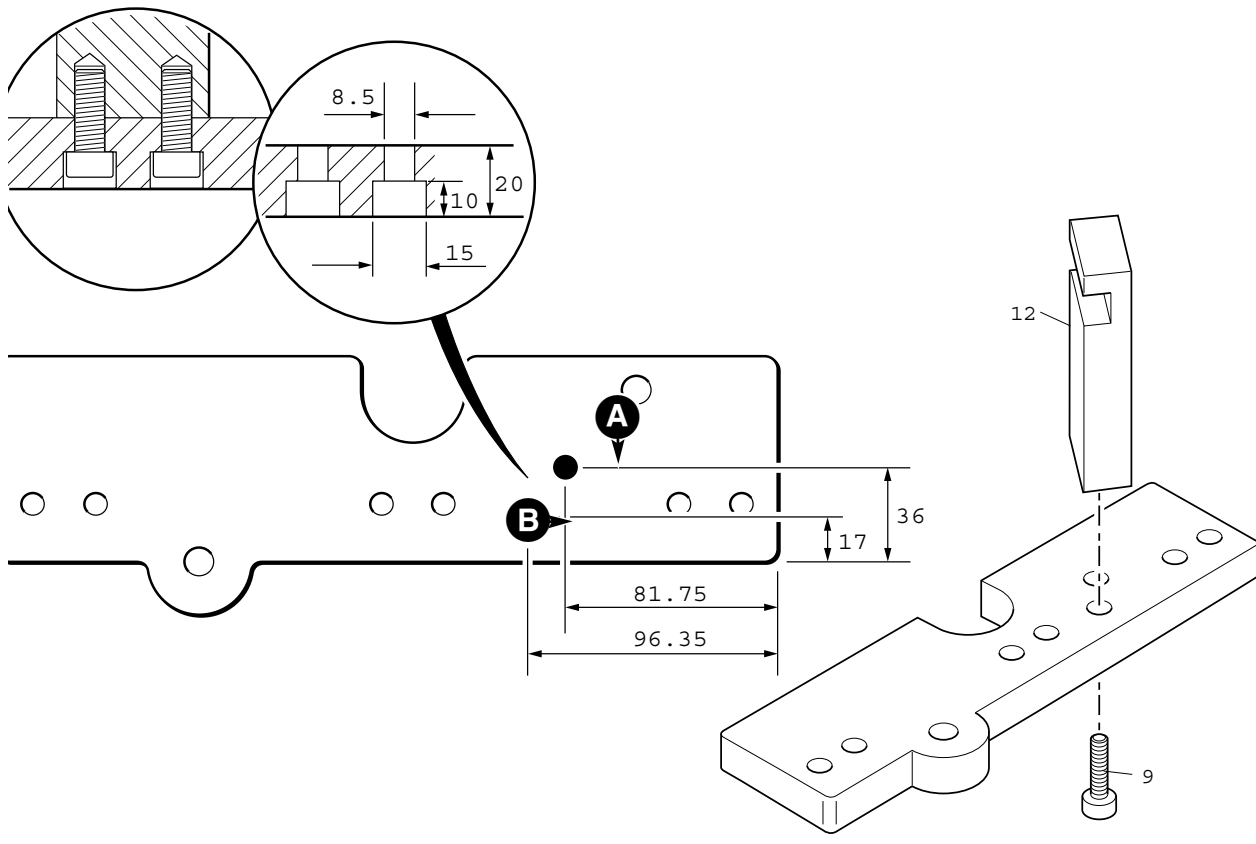
Section F - Transmission (cont'd)

1	993/70100	Powershift Endfloat Checking Kit (includes items 2 to 13)
*2	892/01055	Base Plate
3	993/70160	Yoke Assy
4	993/70130	Mainshaft Adapter Assy
5	993/70104	Mainshaft Pillar
6	993/70106	Layshaft/Reverser Pillar
7	993/70120	Layshaft Setting Assy
8	993/70140	Reverser Setting Assy
9	1391/3305	Capscrew (M8 x 20)
10	826/01417	Setscrew (M10 x 30) Flanged
11	993/70111	Setting Wrench (this is not part of the kit)
12†	993/70112	Input Shaft Pillar
13†	993/70150	Input Setting Assy



A191642

† If these items are not in your kit they can be ordered separately but the base plate **2** will have to be drilled to secure item **12**, see **A** and **B**. Measurements are in mm. Apply JCB Threadlocker and Sealer and tighten item 9 to 25 - 30 Nm (18 - 22 lbf ft).



Service Tools (cont'd)

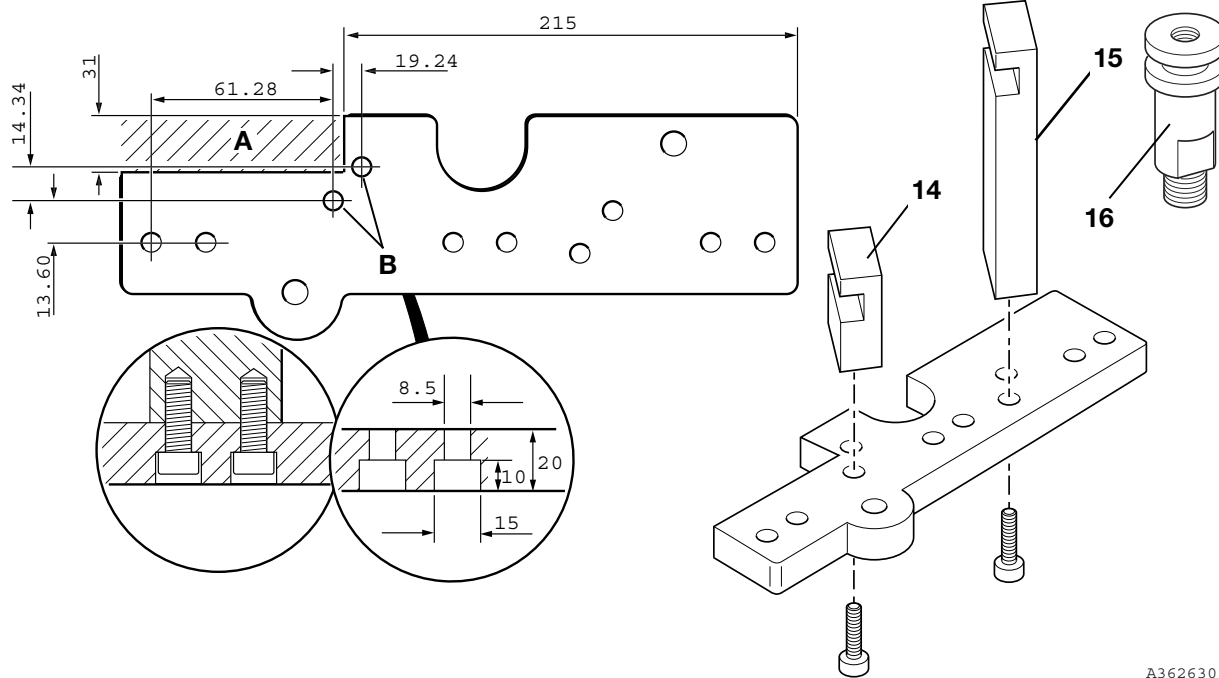
Section F - Transmission (cont'd)

Powershift Endfloat Checking Kit - 5 Speed Transmission

Base plate 993/70101 used for the 4-speed transmission can be adapted for use with 5 speed transmission. Cut out the corner section **A**, drill and counterbore the two holes **B** as shown below. Measurements are in mm. The later base plate 892/01055 is suitable for both 4- and 5-speed transmissions.

The following setting tools must be purchased to use the kit with 5-speed transmissions:

14	993/70104	Pillar, Input Shaft
15	892/01057	Pillar, 5th Speed Shaft
16	892/01056	Setting Body



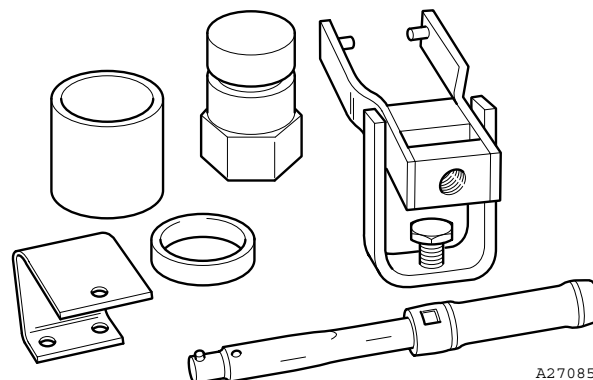
A362630

Solid Spacer Setting Tools

1	892/00918	Setting Tool Kit. Contains the following:
		A Sleeve for M24 Pinion
		B Adapter for M30 Pinion
		C fork (suitable for all axles)

The following setting tools must be purchased separately:

	892/00945	A Sleeve for M30 Pinion
	997/11100	B Adapter for M24 Pinion
	997/11000	Drive Head Setting Bracket
2	993/70111	Breck-back Torque Wrench
3	-	Solid spacer (see parts CD or microfiche for part numbers)

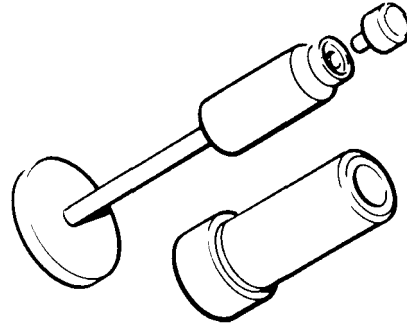


A270851

Service Tools (cont'd)**Section H - Steering**

892/00180 Seal Fitting Tool for fitting 'O' ring and back-up ring to Orbitrol Unit

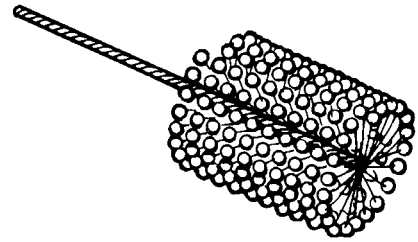
892/00181 Replacement Plastic Boss



S191750

Section K - Engine

892/00041 De-glazing Tool for Cylinder Bores (to assist bedding-in of new piston rings)



S192390

For details of all engine service tools refer to engine service manual.

Service Tools (cont'd)

Section K - Engine

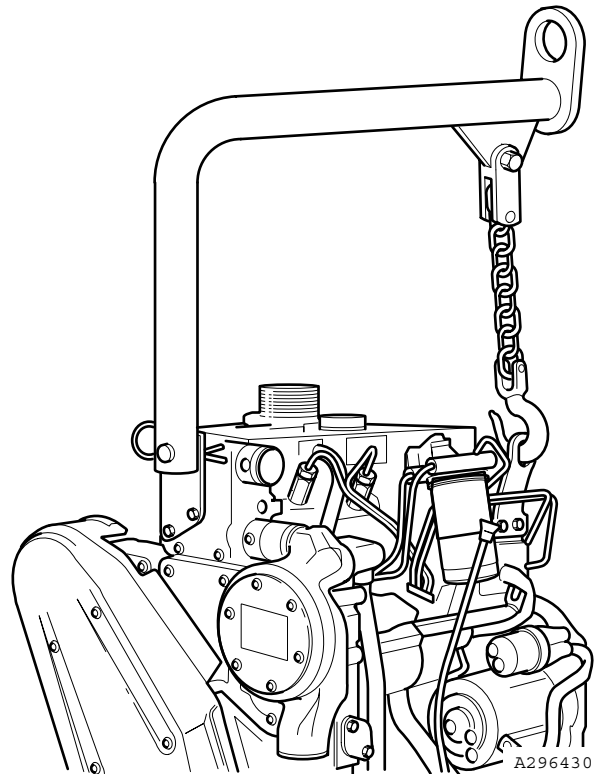
Details for the manufacture of a lifting beam have been made available. This lifting beam enables the complete engine, bevel box and transmission unit to be removed from the machine as a complete assembly.

Refer to Technical Information Bulletin 5/160 for the material and dimensional details required to manufacture the beam safely.

Limitations on Use

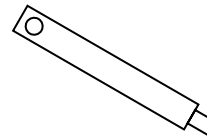
This tool is designed specifically to lift the side mounted engine, bevel box and powershift transmission as a complete assembly.

The tool is not to be used to lift the engine on its own, any other part of the machine or for any other lifting duty or use.



892/00956

Timing pin for fuel injection pumps on JCB Diesel Engines type AR and AK builds only.



A314530

* **Sealing and Retaining Compounds**

JCB Multi-Gasket	A medium strength sealant suitable for all sizes of gasket flanges, and for hydraulic fittings of 25-65 mm diameter.	4102/1212	50 ml
JCB Threadlocker	For threads of 50 mm diameter upwards, e.g. suction strainer.	4101/0451	50 ml
JCB Threadlocker (High Strength)	A high strength locking fluid for use with threaded components. Gasketing for all sizes of flange where the strength of the joint is important.	4102/0551	50 ml
JCB Retainer (High Strength) 50 ml	For all retaining parts which are unlikely to be dismantled.		4101/0651
JCB Threadlocker and Sealer	A medium strength locking fluid for sealing and retaining nuts, bolts, and screws up to 50 mm diameter, and for hydraulic fittings up to 25 mm diameter.	4101/0250 4101/0251	10 ml 50 ml
JCB Threadlocker and Sealer (High Strength)	A high strength locking fluid for sealing and retaining nuts, bolts, and screws up to 50 mm diameter, and for hydraulic fittings up to 25 mm diameter.	4101/0550 4101/0552	10 ml 200 ml
JCB Threadseal	A medium strength thread sealing compound.	4102/1951	50 ml
JCB Activator	A cleaning primer which speeds the curing rate of anaerobic products.	4104/0251 4104/0253	Aerosol (1 ltr) Bottle (200 ml)
JCB Cleaner/Degreaser	For degreasing components prior to use of anaerobic adhesives and sealants.	4104/1557	Aerosol (400 ml)
Anti-Seize Paste	A compound used for assembly and prevention of parts seizure.	4003/0211	
Direct Glazing Kit	For one pane of glass; comprises items marked † below plus applicator nozzle etc.		
† Ultra Fast Adhesive	For direct glazing	4103/2109	310 ml
† Active Wipe 205	For direct glazing	4104/1203	250 g
† Black Primer 206J	For direct glazing	4201/4906	30 ml
Clear Silicone Sealant	To seal butt jointed glass.	4102/0901	
Plastic to Metal Bonder	To seal plastic to metal joints	4103/0955	

Contents	Page No.
Safety Notices	1 - 1
General safety	2 - 1
Operating safety	2 - 2
Maintenance safety	2 - 4
Lubricants - Health and Safety	3 - 1

Product: JCB 530, 533, 535, 540 Loadall Telescopic Handler Service Repair Manual

Full Download: [https://www.arepairmanual.com/downloads/jcb-530-533-535-540-](https://www.arepairmanual.com/downloads/jcb-530-533-535-540-loadall-telescopic-handler-service-repair-manual/)

[loadall-telescopic-handler-service-repair-manual/](https://www.arepairmanual.com/downloads/jcb-530-533-535-540-loadall-telescopic-handler-service-repair-manual/)

In this handbook and on the machine there are safety notices. Each notice starts with a signal word. The signal word meanings are given below.

DANGER

Denotes an extreme hazard exists. If proper precautions are not taken it is highly probable that the operator (or others) could be killed or seriously injured.

INT-1-2-1

WARNING

Denotes a hazard exists. If proper precautions are not taken, the operator (or others) could be killed or seriously injured.

INT-1-2-2

CAUTION

Denotes a reminder of safety practices. Failure to follow these safety practices could result in injury to the operator (or others) and possible damage to the machine.

INT-1-2-3

Sample of manual. Download All 725 pages at:

<https://www.arepairmanual.com/downloads/jcb-530-533-535-540-loadall-telescopic-handler-service-repair-manual/>