



Open front screen

Section 1

General Information

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Section 1 - General Information

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Introduction

About this Publication

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

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!**

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.

All sections are listed on the front cover; 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:

426 Wheeled Loading Shovel from machine serial number 531001

436 Wheeled Loading Shovel from machine serial number 533001

446 Wheeled Loading Shovel from machine serial number 540000 to 540011

Note: *The information provided in this manual for the 436 machine also applies to the 446 machine, except where specified.*

Note: *USA ONLY - For 426 machines built after November 1998, Hydraulic and Electrical Information is as for 436 machines. Also, machine serial numbers start at 544001.*

Note: *USA ONLY - For 426 machines built after October 2000, Hydraulic and Electrical Information is as for 426 machines. Also, machine serial numbers revert to the normal 426 series.*

Identifying your Machine

Identification Plates

Identification Plate

Your machine has an identification plate **1X** mounted on the left hand side of the machine. The serial numbers of the machine and its major units are stamped on the plate.

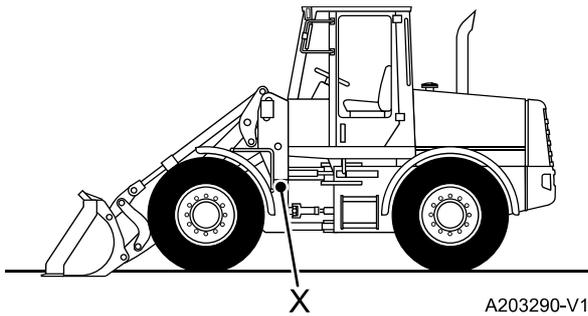


Fig 1.

Explanation of Vehicle Identification Number (VIN)

1	2	3	4	5
SLP	42600	S	E	0531001

- 1 World Manufacturer Identification, SLP = JCB
- 2 Machine Model, 42600 = 426
- 3 Year of Manufacture S, (P = 1993, R = 1994, S = 1995, T = 1996, V = 1997, W = 1998, X = 1999, Y = 2000, 1 = 2001, 2 = 2002, 3 = 2003, 4 = 2004)
- 4 Manufacturing Location (E = England)
- 5 Machine Serial Number (0531001)

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.

Unit Identification

The engine serial number is stamped on a plate **2Y** which is fastened to the right side of the cylinder block, near the fuel filter.

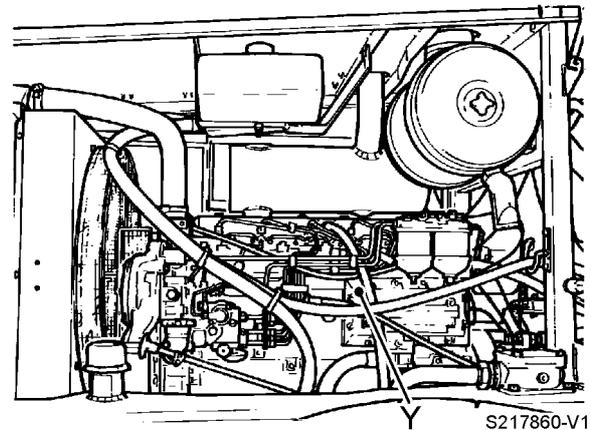


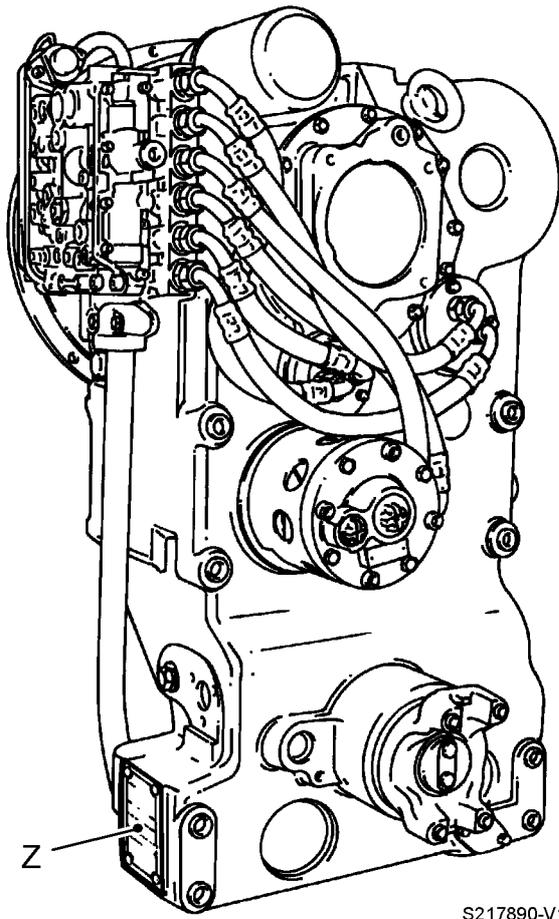
Fig 2.

Typical Engine Identification Number

1	2	3	4	5
YB	50457	U	576887	Y

- 1 Engine Type, YB = 6 cylinder turbo
- 2 Build Number
- 3 Country of Origin
- 4 Engine Sequence Number
- 5 Year of Manufacture

The Transmission serial number is stamped on plate **3Z** as shown.



S217890-V1

Fig 3.

Torque Settings

Zinc Plated Fasteners (golden finish)

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

Dia.	Bolt size		Torque Settings		
	(mm)	Hexagon (A/F) mm	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	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

Dia.	Bolt size		Torque Settings		
	(mm)	Hexagon (A/F) mm	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
M18	(18)	27	350	36	258
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

Dia.	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

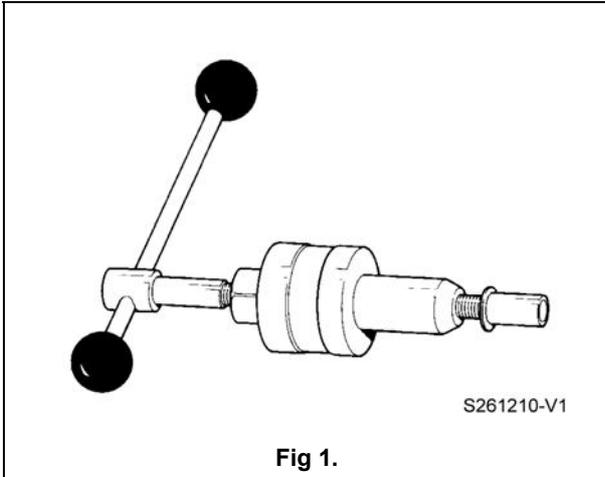
Numerical List Section B - Body and Framework

The tools listed in the table are special tools required for removal and replacement of Body and Framework parts. These tools are available from JCB Service.

Note: Tools other than those listed will be required. It is expected that such general tools will be available in any well equipped workshop or be available locally from any good tool supplier.

Part Number	Description	Tool Detail Reference
825/99849	Dummy Bush	⇒ Fig 12. (□ 1-8)
825/99851	Bearing Locator	⇒ Fig 12. (□ 1-8)
826/01179	M6 x 16mm Rivet Nut	⇒ Fig 1. (□ 1-6)
826/01106	M6 x 19mm Rivet Nut	⇒ Fig 1. (□ 1-6)
826/01177	M8 x 18mm Rivet Nut	⇒ Fig 1. (□ 1-6)
826/01176	M10 x 23mm Rivet Nut	⇒ Fig 1. (□ 1-6)
826/01333	M10 x 26mm Rivet Nut	⇒ Fig 1. (□ 1-6)
892/00842	Glass Lifter	⇒ Fig 3. (□ 1-6)
892/00843	Glass Stand	⇒ Fig 2. (□ 1-6)
892/00844	Long Knife	⇒ Fig 11. (□ 1-8)
892/00846	Glass Extractor (Handles)	⇒ Fig 8. (□ 1-7)
892/00847	Nylon Spatula	⇒ Fig 4. (□ 1-6)
892/00848	Wire Starter	⇒ Fig 6. (□ 1-7)
892/00849	Braided Cutting Wire	⇒ Fig 10. (□ 1-8)
926/15500	Rubber Spacer Blocks	⇒ Fig 5. (□ 1-7)
992/12800	Cut-Out Knife	⇒ Fig 7. (□ 1-7)
992/12801	'L' Blades	⇒ Fig 9. (□ 1-8)

Tool Detail Reference Section B - Body and Framework

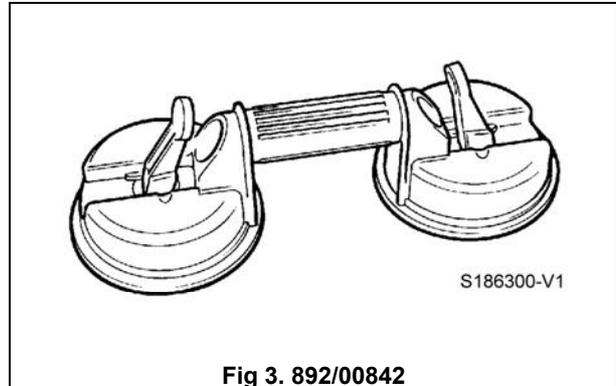


Note: 826/01179 M6 x 16mm Rivet Nut, 826/01106 M6 x 19mm Rivet Nut, 826/01177 M8 x 18mm Rivet Nut, 826/01176 M10 x 23mm Rivet Nut, 826/01333 M10 x 26mm Rivet Nut

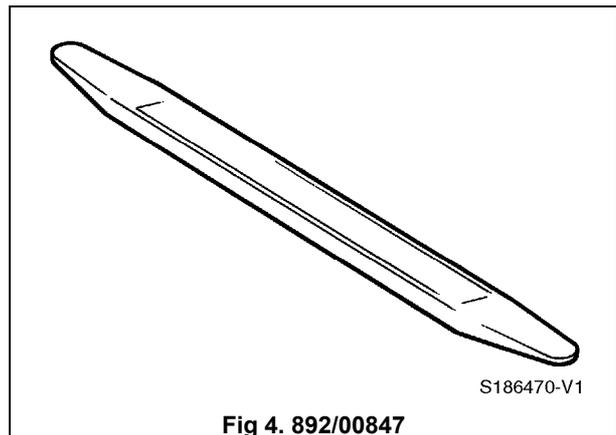
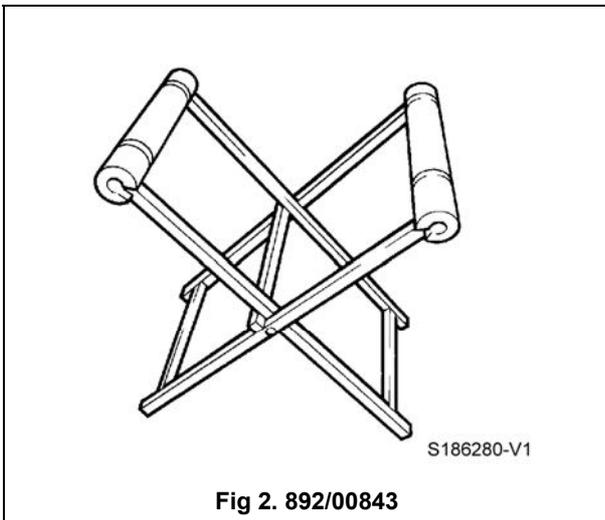
Installation Tool Available from:

Bollhoff Fastenings Ltd.
 Midacre
 The Willenhall Estate
 Rose Hill
 Willenhall
 West Midlands, WV13 2JW

Note: essential for preparing new glass prior to installation.



Note: - minimum 2 off - essential for glass installation, 2 required to handle large panes of glass. Ensure suction cups are protected from damage during storage.



Note: - general tool used for smoothing sealants - also used to re-install glass in rubber glazing because metal tools will chip the glass edge.



Fig 5. 926/15500

Note: - used to provide the correct set clearance between glass edge and cab frame. (unit quantity = 500 off)

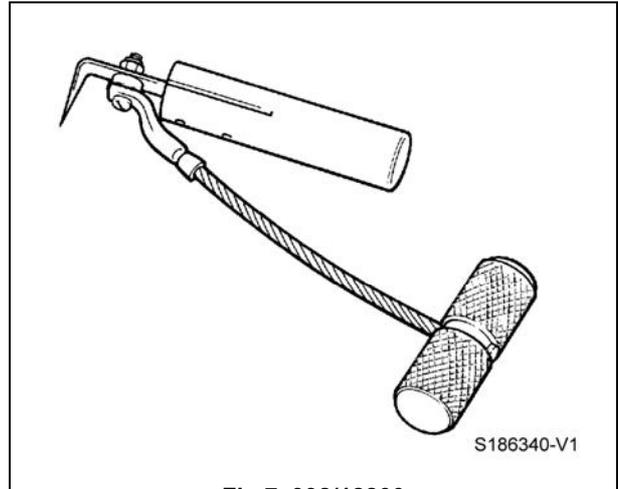


Fig 7. 992/12800

Note: - used to remove broken glass.

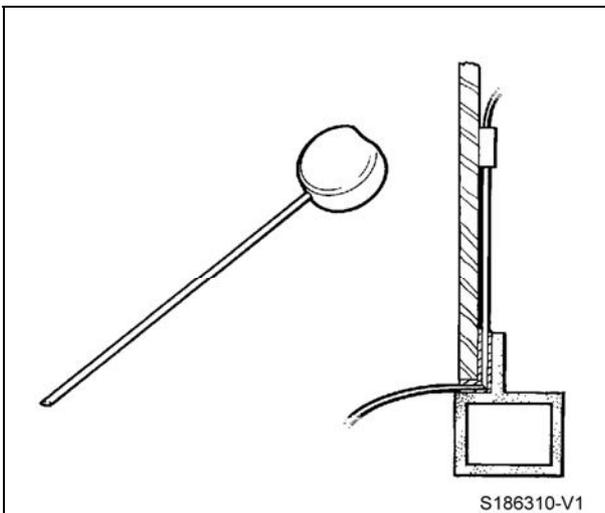


Fig 6. 892/00848

Note: - used to access braided cutting wire (below) through original polyurethane seal.

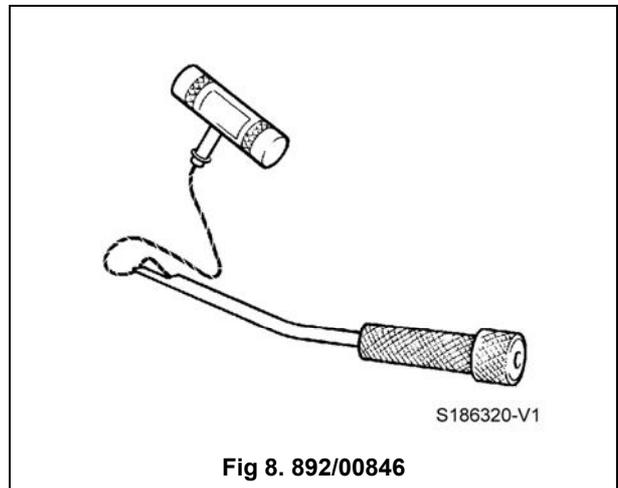
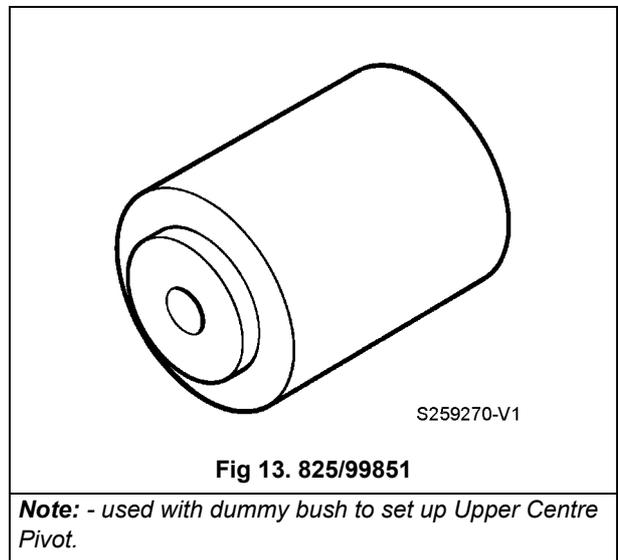
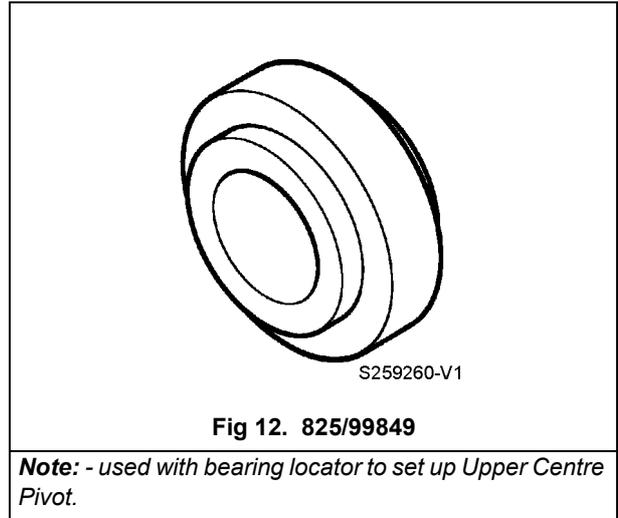
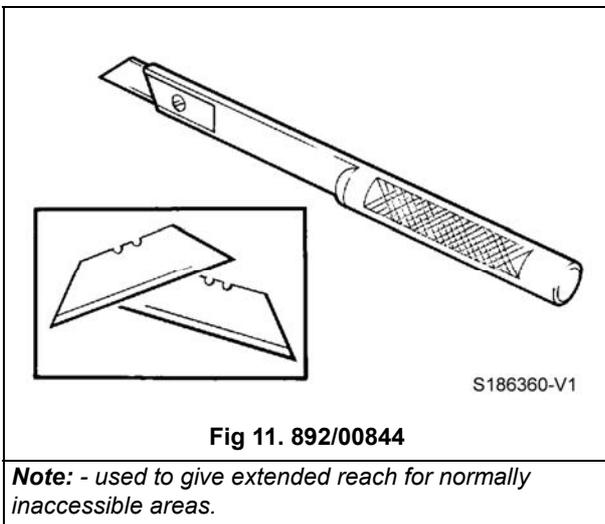
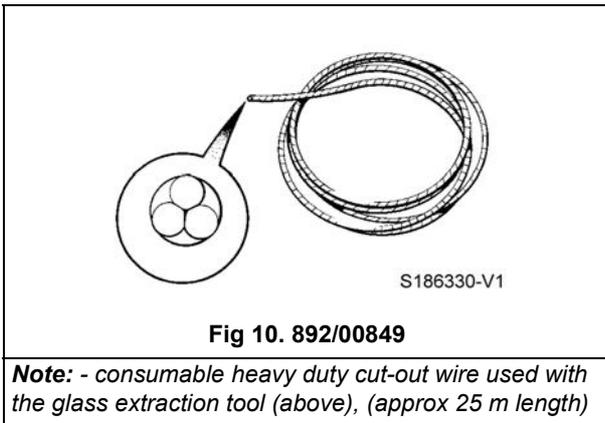
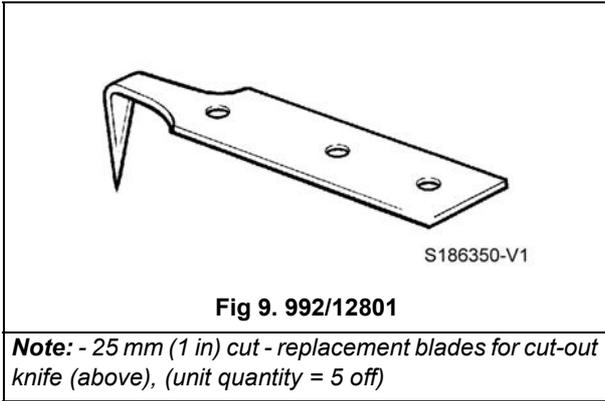


Fig 8. 892/00846

Note: - used with braided cutting wire (below) to cut out broken glass.





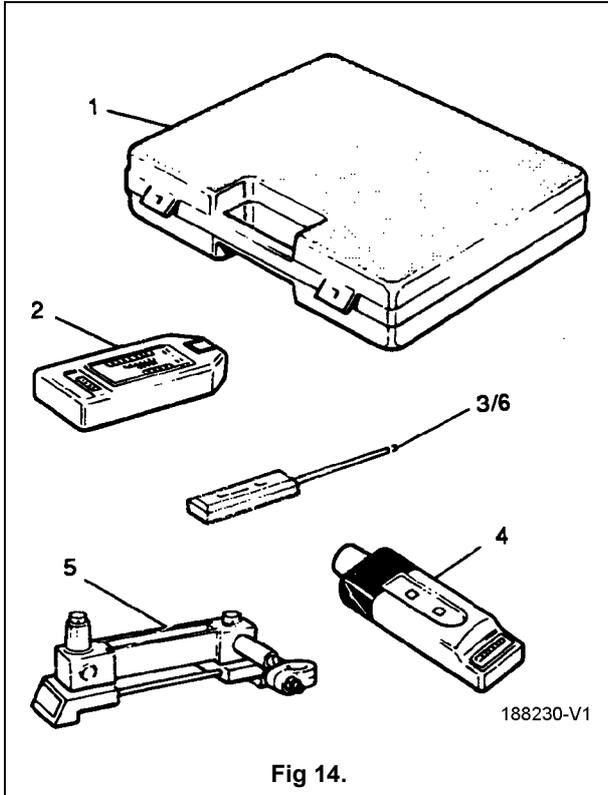
Numerical List Section C - Electrics

The tools listed in the table are special tools required for testing electrics. These tools are available from JCB Service.

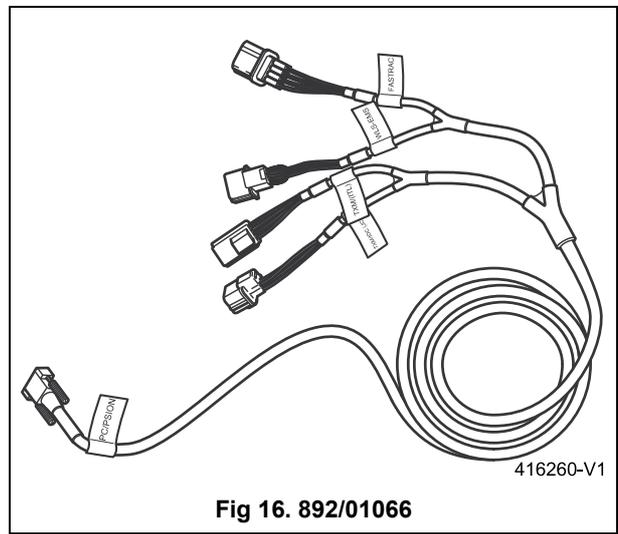
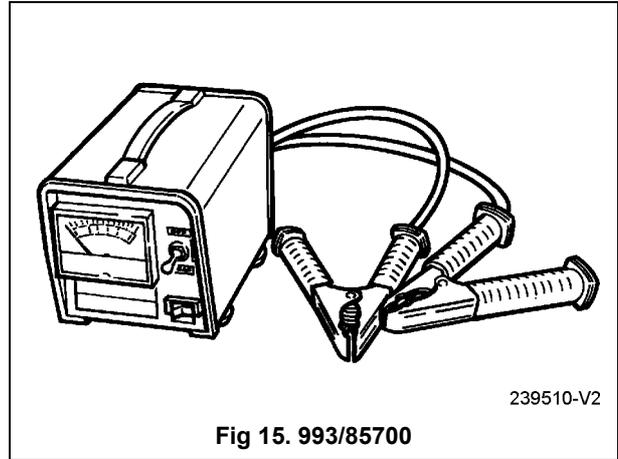
Note: Tools other than those listed will be required. It is expected that such general tools will be available in any well equipped workshop or be available locally from any good tool supplier.

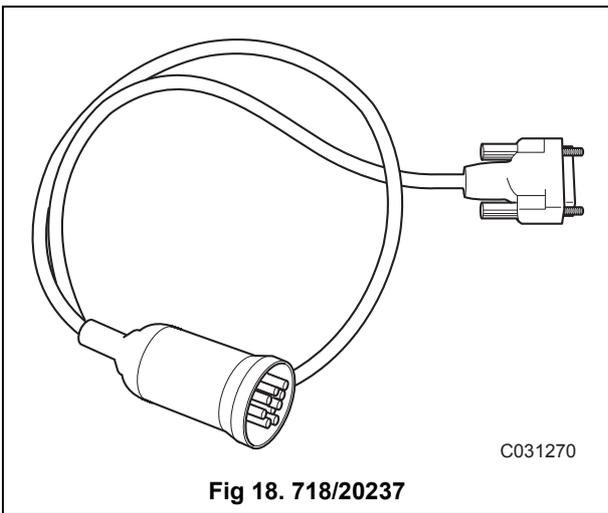
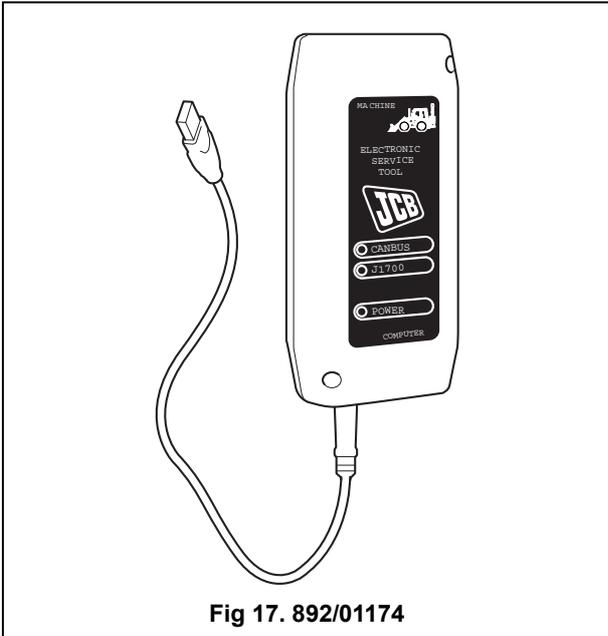
Part Number	Description	Tool Detail Reference
718/20237	Interrogation Lead	⇒ Fig 18. (□ 1-11)
892/00282	Shunt	⇒ Fig 14. (□ 1-10)
892/00283	Tool Kit Case	⇒ Fig 14. (□ 1-10)
892/00284	Digital Tachometer	⇒ Fig 14. (□ 1-10)
892/00285	Hyd. Oil Temperature Probe	⇒ Fig 14. (□ 1-10)
892/00286	Surface Temperature Probe	⇒ Fig 14. (□ 1-10)
892/00298	Fluke Meter	⇒ Fig 14. (□ 1-10)
892/01066	Interrogation Lead	⇒ Fig 16. (□ 1-10)
892/01174	Data Link Adaptor	⇒ Fig 17. (□ 1-11)
993/85700	Battery Tester	⇒ Fig 15. (□ 1-10)

Tool Detail Reference Section C - Electrics



1	892/00283 Tool Kit Case
2	892/00298 Fluke 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





Numerical List Section E - Hydraulics

The tools listed in the table are special tools required for testing, removing and replacing hydraulics. These tools are available from JCB Service.

Note: Tools other than those listed will be required. It is expected that such general tools will be available in any well equipped workshop or be available locally from any good tool supplier.

Part Number	Description	Tool Detail Reference
1406/0011	Bonded Washer	⇒ Fig 21. (1-15)
1406/0014	Bonded Washer	⇒ Fig 21. (1-15)
1406/0018	Bonded Washer	⇒ Fig 21. (1-15)
1406/0021	Bonded Washer	⇒ Fig 21. (1-15)
1406/0029	Bonded Washer	⇒ Fig 21. (1-15)
1604/0006	Adapter	⇒ Fig 22. (1-15)
1612/0006	Adapter	⇒ Fig 22. (1-15)
816/00189	Blanking Cap	⇒ Fig 24. (1-16)
816/00190	Blanking Cap	⇒ Fig 24. (1-16)
816/00193	Blanking Cap	⇒ Fig 24. (1-16)
816/00196	Blanking Cap	⇒ Fig 24. (1-16)
816/00197	Blanking Cap	⇒ Fig 24. (1-16)
816/00294	Blanking Cap	⇒ Fig 24. (1-16)
816/15118	Pressure Test Adapter	⇒ Fig 25. (1-16)
816/20008	Adapter	⇒ Fig 22. (1-15)
816/55038	Pressure Test Adapter	⇒ Fig 20. (1-15)
816/55040	Pressure Test Adapter	⇒ Fig 20. (1-15)
892/00039	Spool Clamp	⇒ Fig 28. (1-17)
892/00055	Blanking Plug	⇒ Fig 23. (1-16)
892/00056	Blanking Plug	⇒ Fig 23. (1-16)
892/00057	Blanking Plug	⇒ Fig 23. (1-16)
892/00058	Blanking Plug	⇒ Fig 23. (1-16)
892/00059	Blanking Plug	⇒ Fig 23. (1-16)
892/00060	Blanking Plug	⇒ Fig 23. (1-16)
892/00074	Female Connector	⇒ Fig 26. (1-16)
892/00075	Female Connector	⇒ Fig 26. (1-16)
892/00076	Female Connector	⇒ Fig 26. (1-16)
892/00077	Female Connector	⇒ Fig 26. (1-16)
892/00137	Micro-Bore Hose	⇒ Fig 29. (1-17)
892/00223	Hand Pump	⇒ Fig 29. (1-17)
892/00239	Charging Tool	⇒ Fig 30. (1-17)

Part Number	Description	Tool Detail Reference
892/00253	Pressure Test Kit	⇒ Fig 19. (1-15)
892/00255	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00256	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00257	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00258	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00259	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00260	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00261	Pressure Test Adaptor	⇒ Fig 25. (1-16)
892/00262	Pressure Test Adaptor	⇒ Fig 29. (1-17)
892/00263	Pressure Test Adaptor	⇒ Fig 20. (1-15)
892/00264	Pressure Test Adaptor	⇒ Fig 20. (1-15)
892/00265	Pressure Test Adaptor	⇒ Fig 20. (1-15)
892/00268	Flow Monitoring Unit	⇒ Fig 22. (1-15)
892/00269	Sensor Head	⇒ Fig 22. (1-15)
892/00270	Load Valve	⇒ Fig 22. (1-15)
892/00274	Adapter	⇒ Fig 29. (1-17)
892/00275	Adapter	⇒ Fig 22. (1-15)
892/00279	Gauge	⇒ Fig 29. (1-17)
892/00309	A.R.V. Pressure Test Kit	⇒ Fig 31. (1-17)
892/00335	A.R.V. Cartridge Removal Tool	⇒ Fig 31. (1-17)
892/00340	Test Block Body	⇒ Fig 31. (1-17)
892/00341	Setting Body	⇒ Fig 31. (1-17)
892/00343	Spanner	⇒ Fig 31. (1-17)
892/00345	Anti-cavitation Lock Out Bung	⇒ Fig 31. (1-17)
892/00706	Test Probe	⇒ Fig 29. (1-17)
892/00948	Charging Tool	⇒ Fig 30. (1-17)
892/01042	Charging Tool	⇒ Fig 30. (1-17)
892/01043	Adapter	⇒ Fig 30. (1-17)
992/09300	Spanner	⇒ Fig 27. (1-16)
992/09400	Spanner	⇒ Fig 27. (1-16)
992/09500	Spanner	⇒ Fig 27. (1-16)
992/09600	Spanner	⇒ Fig 27. (1-16)
992/09700	Spanner	⇒ Fig 27. (1-16)
992/10000	Spanner	⇒ Fig 27. (1-16)
992/10100	Spool Clamp	⇒ Fig 28. (1-17)
993/68300	Adjusting Pin	⇒ Fig 31. (1-17)



Section 1 - General Information Service Tools

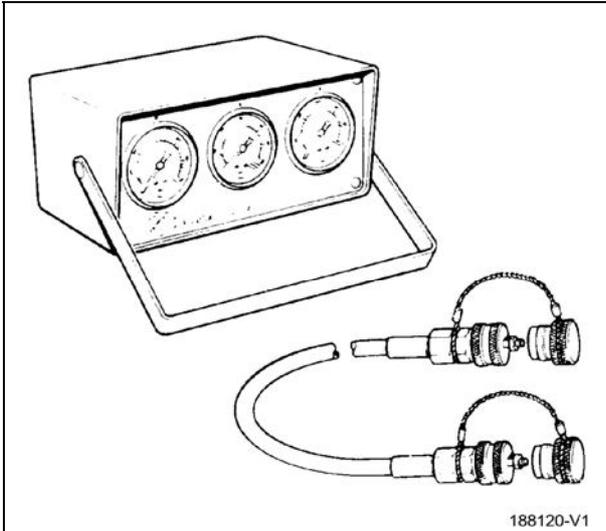
Numerical List Section E - Hydraulics

The following parts are replacement items for kits and would normally be included in the kit numbers above.

Replacement items for kit no. 892/00253

Part Number	Description	Tool Detail Reference
892/00201	Replacement Gauge	⇒ Fig 19. (□ 1-15)
892/00202	Replacement Gauge	⇒ Fig 19. (□ 1-15)
892/00203	Replacement Gauge	⇒ Fig 19. (□ 1-15)
892/00254	Replacement Hose	⇒ Fig 19. (□ 1-15)

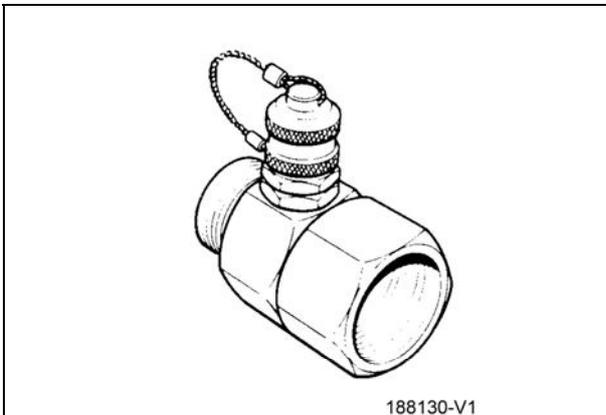
Tool Detail Reference Section E- Hydraulics



188120-V1

Fig 19. Hydraulic Circuit Pressure test Kit

892/00253 Pressure Test Kit
892/00201 Replacement gauge 0-20 bar (0-300 lbf/in ²)
892/00202 Replacement gauge 0-40 bar (0-600 lbf/in ²)
892/00203 Replacement gauge 0-400 bar (0-6000 lbf/in ²)
892/00254 Replacement Hose

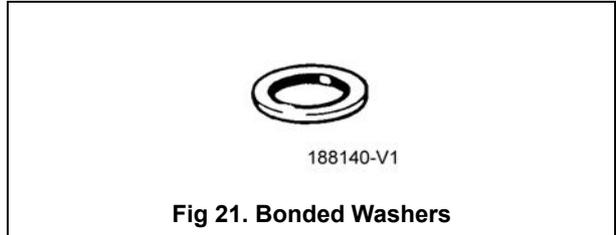


188130-V1

Fig 20. Pressure Test 'T' Adapters

892/00262 1/4 in 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

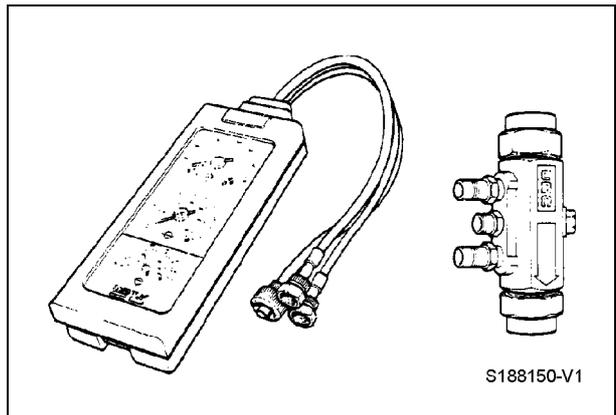
892/00263 5/8 in BSP x 5/8 in F BSP x Test Point
892/00264 3/4 in BSP x 3/4 in F BSP x Test Point
892/00265 1 in M BSP x 1 in F BSP x Test Point



188140-V1

Fig 21. Bonded Washers

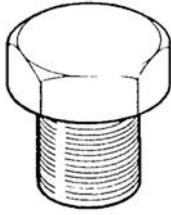
1406/0011 1/4 in BSP
1406/0018 1/2 in BSP
1406/0014 5/8 in BSP
1406/0021 3/4 in BSP
1406/0029 1.1/4 in BSP



S188150-V1

Fig 22. 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
816/20008 Adapter 3/4 in F x 1/2 M BSP
892/00275 Adapter 1/2 in F x 3/4 M BSP



S193870-V1

Fig 23. Female Cone Blanking Cap

892/00055 1/4 in BSP

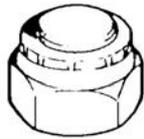
892/00056 3/8 in BSP

892/00057 1/2 in BSP

892/00058 5/8 in BSP

892/00059 3/4 in BSP

892/00060 1 in BSP



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Fig 24. Male Cone Blanking Cap

816/00294 1/4 in BSP

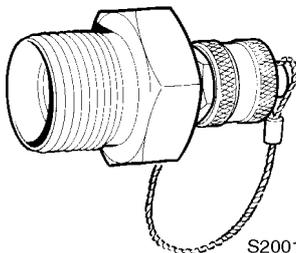
816/00189 3/8 in BSP

816/00190 1/2 in BSP

816/00197 5/8 in BSP

816/00196 3/4 in BSP

816/00193 1 in BSP



S200140-V1

Fig 25. Pressure Test Adapters

892/00255 1/4 in BSP x Test Point

892/00256 3/8 in BSP x Test Point

892/00257 1/2 in BSP x Test Point

892/00258 5/8 in BSP x Test Point

816/15118 3/4 in BSP x Test Point

892/00259 1 in BSP x Test Point

892/00260 1.1/4 in BSP x Test Point

892/00261 5/8 in UNF x Test Point



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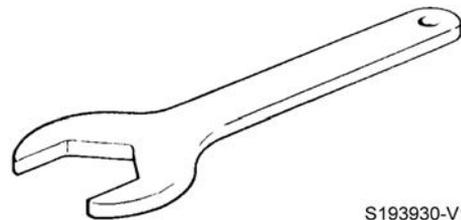
Fig 26. Female Connectors

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-V1

Fig 27. Hexagon Spanners for Ram Pistons and End Caps

992/09300 55 mm

992/09400 65 mm

992/09500 75 mm

992/09600 85 mm

992/09700 95 mm

992/10000 125 mm

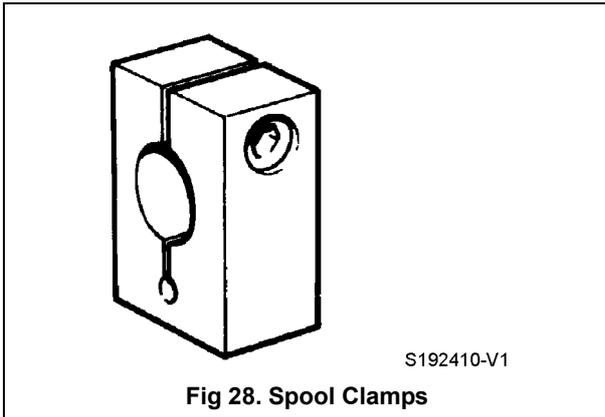


Fig 28. Spool Clamps

892/00039 Spool Clamp

992/10100 Spool Clamp

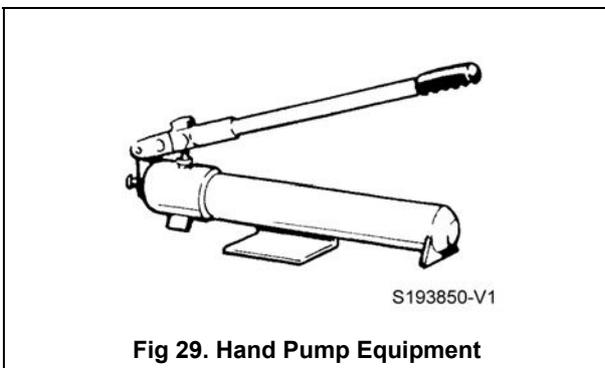


Fig 29. Hand Pump Equipment

892/00223 Hand Pump

892/00137 Micro-bore Hose 1/4 in BSP x 5 metres

892/00274 Adapter 1/4 in. M BSP x 3/8 in. M BSP Taper

892/00262 1/4 in M BSP x 1/4 in F BSP x Test Point

892/00706 Test Probe

892/00279 Gauge 0 - 400 bar (0 - 6000 lbf/in²)

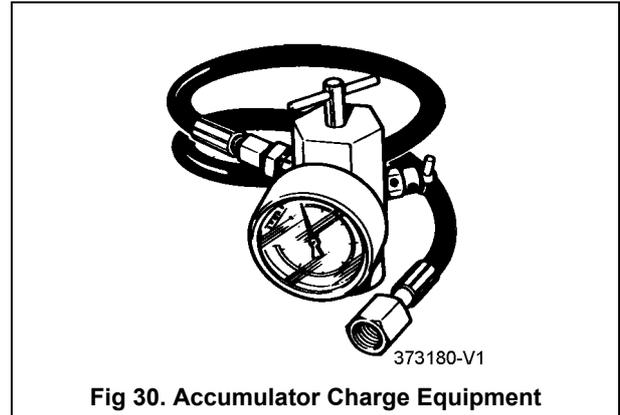


Fig 30. Accumulator Charge Equipment

892/00239 Charging Tool (Diaphragm Accumulators)

892/01042 Charging Tool (Diaphragm Accumulators)

892/01043 Adaptor (use with 892/01042)

892/00948 Charging Tool (Piston Accumulators)

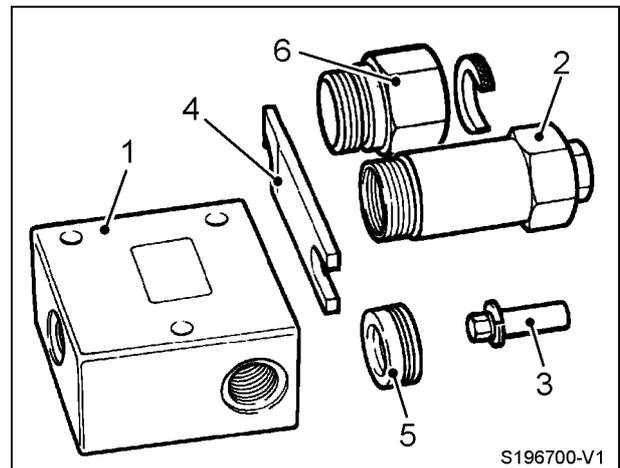


Fig 31. Components for Valve Block A.R.V. Testing

892/00309 A.R.V. Pressure Test Kit

1 892/00340 Test Block Body

2 892/00341 Setting Body

3 993/68300 Adjusting Pin

4 892/00343 Spanner

5 892/00345 Anti-cavitation Lock Out Bung

6 892/00335 A.R.V. Cartridge Removal Tool

Numerical List Section F - Transmission

The tools listed in the table are special tools required for removal and replacement of Transmission parts. These tools are available from JCB Service.

Note: *Tools other than those listed will be required. It is expected that such general tools will be available in any well equipped workshop or be available locally from any good tool supplier.*

Part Number	Description	Tool Detail Reference
892/00817	Heavy Duty Socket	⇒ Fig 33. (□ 1-19)
892/00818	Heavy Duty Socket	⇒ Fig 33. (□ 1-19)
892/00819	Heavy Duty Socket	⇒ Fig 33. (□ 1-19)
892/00859	Spanner Stake Nut	⇒ Fig 36. (□ 1-20)
892/00860	Bearing Shim Remover	⇒ Fig 39. (□ 1-20)
892/00861	Bearing Remover Base Tool	⇒ Fig 39. (□ 1-20)
892/00862	Tab Washer Fitting Tool	⇒ Fig 36. (□ 1-20)
892/00863	Blanking Plate Fitting Tool	⇒ Fig 40. (□ 1-20)
892/00865	Computer Test Harness	⇒ Fig 35. (□ 1-19)
892/00866	Computer Test Indicator Box	⇒ Fig 35. (□ 1-19)
892/00867	Computer Test Interrogator Box	⇒ Fig 35. (□ 1-19)
892/01000	Bearing Puller	⇒ Fig 41. (□ 1-20)
892/01001	Bearing Tool	⇒ Fig 42. (□ 1-21)
892/01002	Spring Compressor	⇒ Fig 43. (□ 1-21)
892/01003	Bearing Puller	⇒ Fig 41. (□ 1-20)
892/01004	Bearing Tool	⇒ Fig 42. (□ 1-21)
892/01005	Bearing Tool	⇒ Fig 42. (□ 1-21)
892/01006	110 Volt Heater	⇒ Fig 44. (□ 1-21)
892/01007	Pipe Swaging Tool	⇒ Fig 45. (□ 1-21)
892/01008	Pipe Swaging Tool	⇒ Fig 45. (□ 1-21)
892/01009	Pipe Swaging Tool	⇒ Fig 45. (□ 1-21)
892/01010	Pipe Swaging Tool	⇒ Fig 45. (□ 1-21)
892/01013	Lifting Eye	⇒ Fig 46. (□ 1-21)
892/01014	Retainer	⇒ Fig 47. (□ 1-21)
892/01015	Lifting Eye	⇒ Fig 46. (□ 1-21)
892/00909	Puller	⇒ Fig 38. (□ 1-20)
992/04000	Torque Multiplier	⇒ Fig 34. (□ 1-19)
992/07603	Replacer - Bearing Cup	⇒ Fig 32. (□ 1-19)

Tool Detail Reference Section F - Transmission

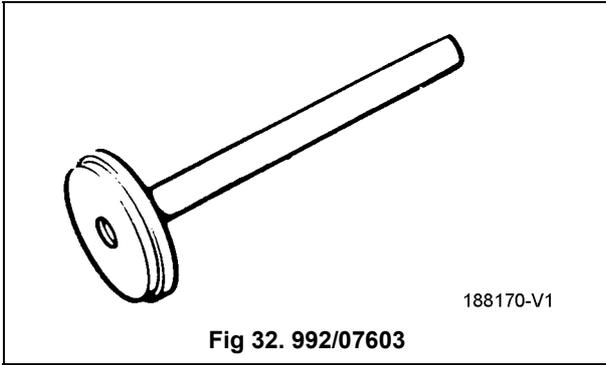
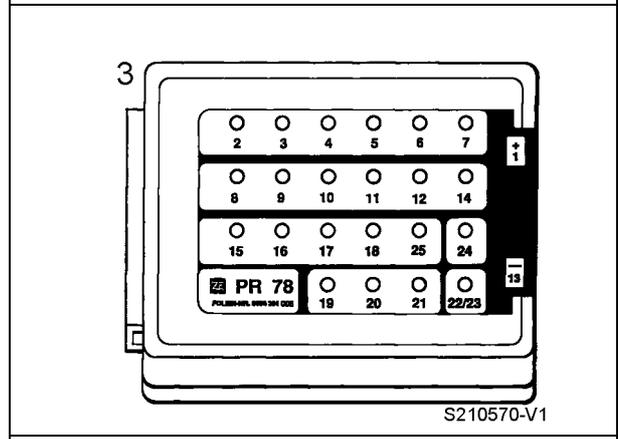
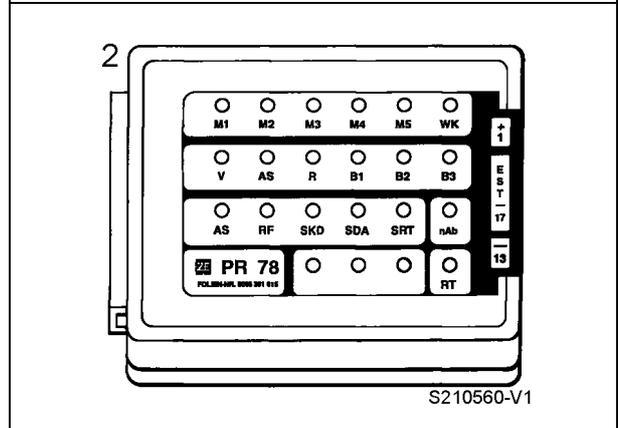
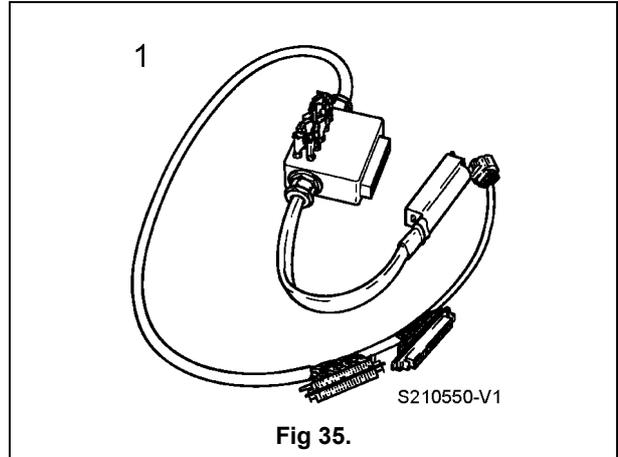
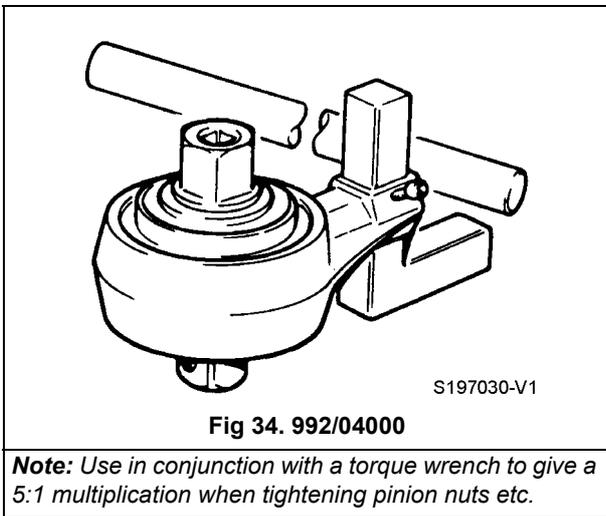
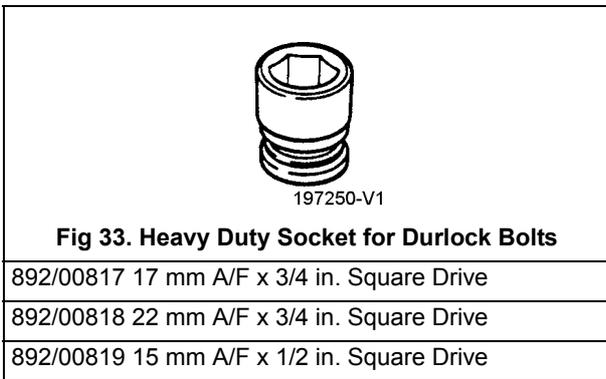
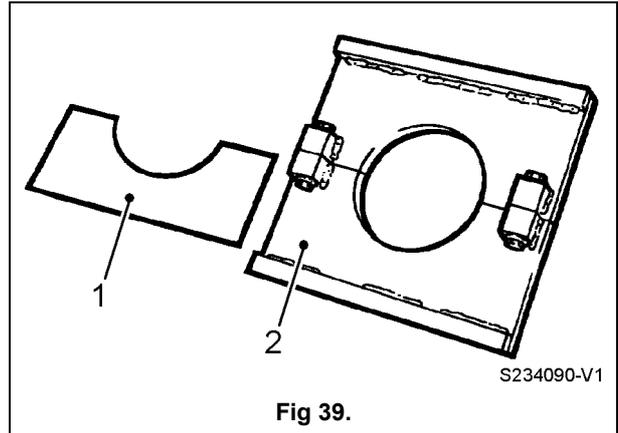
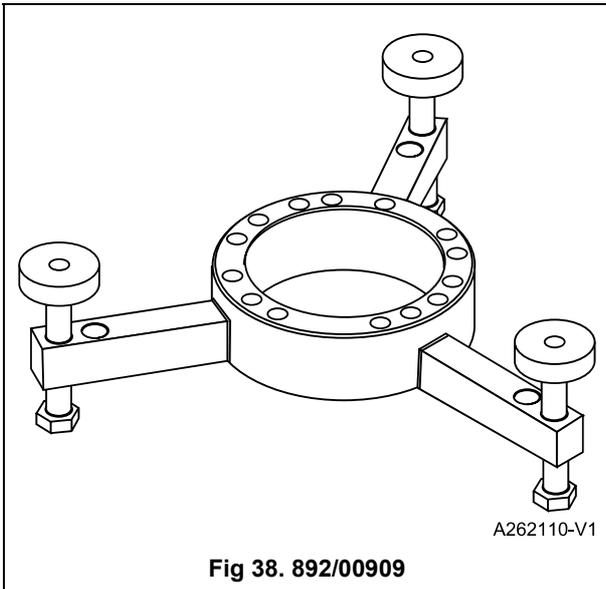
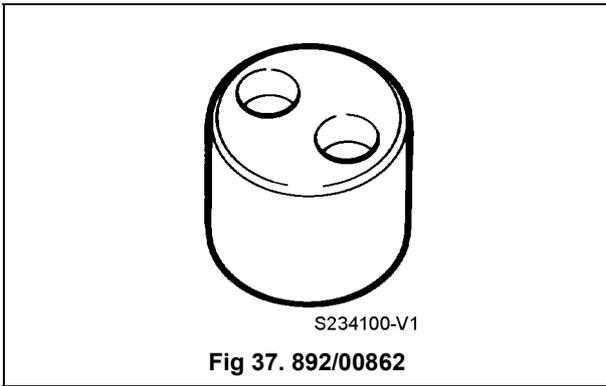
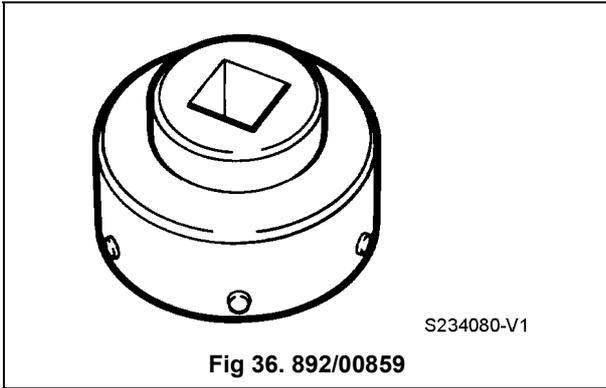


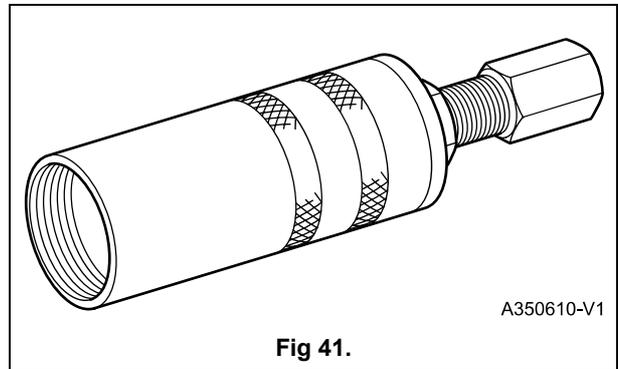
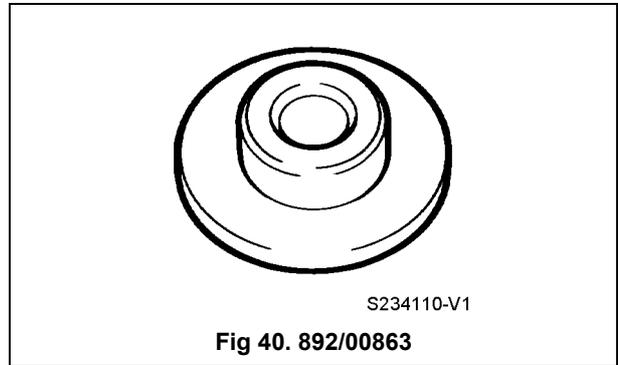
Fig 32. 992/07603



- 892/00865 Computer test harness
- 892/00866 Computer test indicator box
- 892/00867 Computer test interrogator box



- | | |
|---|-------------------------------------|
| 1 | 892/00860 Bearing Remover Shim |
| 2 | 892/00861 Bearing Remover Base Tool |



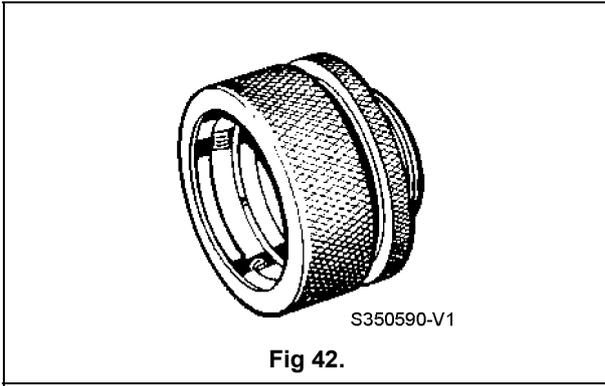


Fig 42.
892/01001 Bearing Tool
892/01004 Bearing Tool
892/01005 Bearing Tool

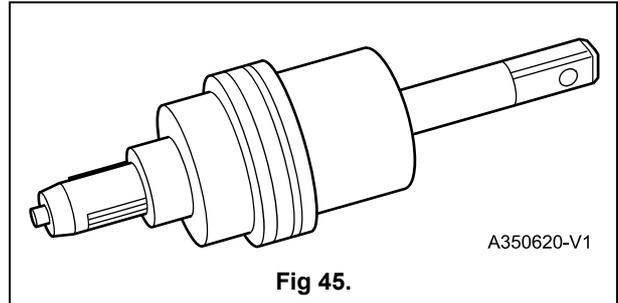
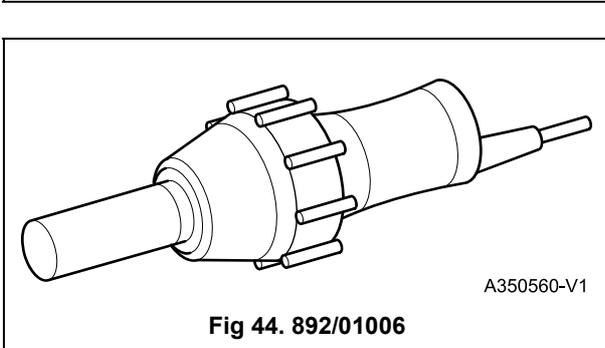
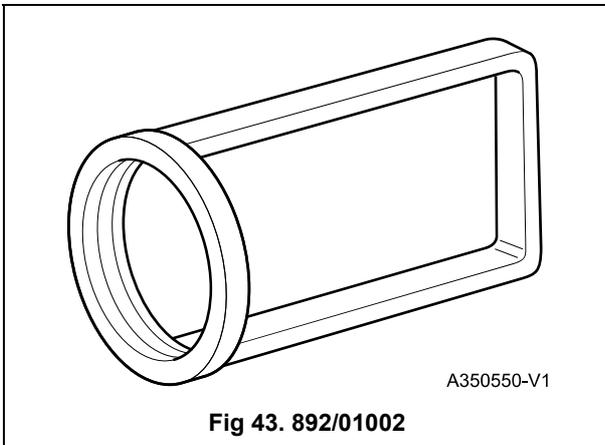


Fig 45.
892/01007 Pipe Swaging Tool
892/01008 Pipe Swaging Tool
892/01009 Pipe Swaging Tool
892/01010 Pipe Swaging Tool

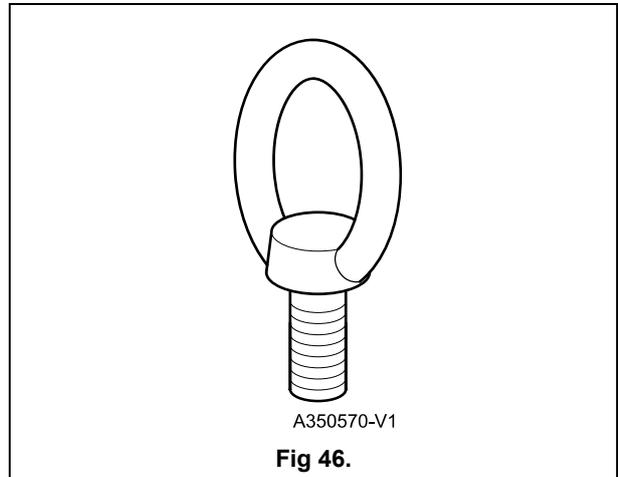
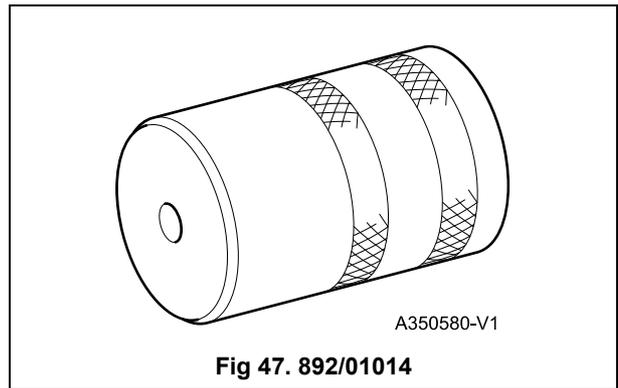


Fig 46.
892/01013 Lifting Eye
892/01015 Lifting Eye





Section 1 - General Information Service Tools

Numerical List Section K - Engine

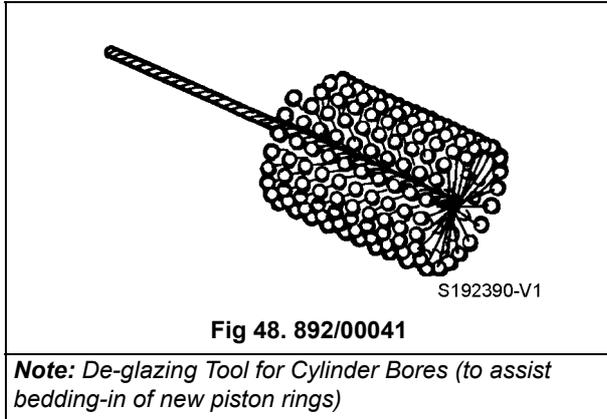
Numerical List Section K - Engine

The tools listed in the table are special tools required for refurbishment of Engine parts. These tools are available from JCB Service.

Note: *Tools other than those listed will be required. It is expected that such general tools will be available in any well equipped workshop or be available locally from any good tool supplier.*

Part Number	Description	Tool Detail Reference
892/00041	De-glazing Tool	⇒ Fig 48. (□ 1-23)

Tool Detail Reference Section K - Engine



For details of other engine service tools refer to Perkins Service Manual Publication No. 9806/0100



Service Consumables

Sealing and Retaining Compounds

T11-001_3

Table 1.

Type	Description	Part No.	Quantity
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 High Strength Threadlocker	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)	For all retaining parts which are unlikely to be dismantled.	4101/0651	50 ml
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	10 ml
		4101/0251	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	10 ml
		4101/0552	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	200 ml (Aerosol)
		4104/0253	1 ltr (Bottle)
JCB Cleaner/Degreaser	For degreasing components prior to use of anaerobic adhesives and sealants.	4104/1557	400 ml (Aerosol)
Direct Glazing Kit	For one pane of glass; comprises of: <ul style="list-style-type: none"> - 1 x Ultra Fast Adhesive (310 ml) - 1 x Active Wipe 205 (30 ml) - 1 x Black Primer 206J (30 ml) - plus applicator nozzle etc. 	993/55700	
Ultra Fast Adhesive	For direct glazing.	4103/2109	310 ml
Active Wipe 205	For direct glazing.	4104/1203	250 ml
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.	4103/0956	50 g
Black Polyurethane Sealant	To finish exposed edges of laminated glass.	4102/2309	310 ml