Service Manual

506-36, 507-42, 509-42, 510-56, 512-56

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Section 2 - Care and Safety

Section 3 - Routine Maintenance

Section B - Body and Framework

Section C - Electrics

Section E - Hydraulics

Section F - Transmission

Section G - Brakes

Section H - Steering

Section K - Engine

Section M - Electronic Network



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T11-010



Fig 28. Male Adaptors

	Male Adapters - BSP x NPT (USA only)
816/00439	3/8 in. x 1/4 in.
816/00440	1/2 in. x 1/4 in.
816/15007A	3/8 in. x 3/8 in.
816/15008	1/2 in. x 3/8 in.

	Male Adapters - BSP x BSP
1606/2052	3/8 in. x 1/4 in.
1604/0003A	3/8 in. x 3/8 in.
892/00071	3/8 in. x 3/8 in. taper
1606/0004	1/2 in. x 1/4 in.
1606/0007A	1/2 in. x 3/8 in.
1604/0004A	1/2 in. x 1/2 in.
1606/0017	5/8 in. x 1/2 in.
1606/0008	3/4 in. x 3/8 in.
1606/0009	3/4 in. x 1/2 in.
1604/2055	3/4 in. x 3/4 in.
1606/0012	3/4 in. x 1 in.
1606/0014	3/4 in. x 1.1/4 in.
1606/0015	1 in. x 1.1/4 in.

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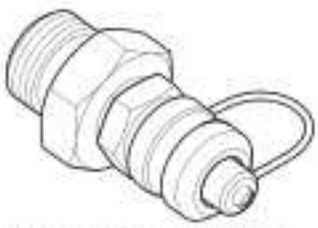


Fig 29. Pressure Test Adapters

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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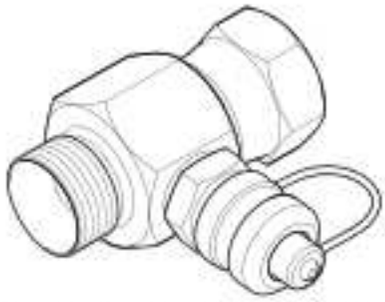


Fig 30. Pressure Test 'T' Adapters

816/55045	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
892/00266	1.1/4 in. M BSP x 1.1/4 in. F BSP x Test Point
892/00267	1.1/4 in. M BSP x 1.1/2 in. F BSP x Test Point

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Schematics

Schematic - 506-36

⇨ Fig 2. (□ E1-6)

Component Key:

B	Pressure cap breather
F	Return line filter
F1	Filter by-pass
S	Pump suction strainer
T	Tank
1	Pump assembly
1A	Main pump
1B	Fan pump
1C	Steer pump
1D	Priority valve
1E	Test point(s)
2	Flowshare Valve block
2A	Flushing valve
2B	Load sense relief valve (LSRV)
2D	Lift spool
2E	Extension spool
2F	Tilt spool
2G	Tilt auxiliary relief valve (ARV)
2H	Tilt auxiliary relief valve (ARV)
2J	Extend auxiliary relief valve (ARV)
2K	Extend auxiliary relief valve (ARV)
2L	Load hold check valves (LHCVs)
2M	LSRV pressure test point
2N	Pressure compensator valve
3	Steer unit assembly
3A	Steer valve
3B	Shock valves (option) - if fitted
3C	Relief valve
3D	Non-return valve
4	Cooling fan motor
4A	Relief valve
5	Parallel valve block
5A	Sway spool
5B	Auxiliary spool
6	Lift ram
6A	Counter-balance valve
6B	Regenerative valve - if fitted
7	Displacement ram
8	Tilt ram
8A	Counter-balance valve
9	Extension ram
9A	Counter-balance valve
9B	Regenerative valve
9C	Check Valve
10	Auxiliary 1 boom quick release couplings
11	Sway Ram
11A	One way restrictors
11B	Pilot operated check-valve
12	Front steer rams
13	Rear steer rams
14	Steer Mode Valve
15	Servo control lever - twin axis
16	Servo control lever - single axis
17	Pilot pressure supply valve
17A	Accumulator
17B	Relief valve
17C	Pilot Filter
17D	Pilot pressure test point
17E	Fan supply pressure test point
17F	Isolation valve - servo control levers

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Fault Code	Description	Warning Displays		Severity
D115	Transmission oil pressure output open circuit	MIL lamp activated (Amber). Buzzer activated for 1 second.		SERVICE
D117	Fuel level sensor open circuit	MIL lamp activated (Amber). Buzzer activated for 1 second. Fuel level gauge falls to minimum reading.		SERVICE
D118	Coolant temperature sensor signal open circuit	MIL lamp activated (amber). Buzzer activated for 1 second. Coolant temperature gauge falls to minimum reading.		SERVICE
D119	Water in fuel sensor open circuit	MIL lamp activated (Amber). Buzzer activated for 1 second.		SERVICE

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Download Servicemaster Updates

1 Log in to the JDS system and click on the 'SM WebUpdate" button.



Fig 22.

2 The WebUpdate screen will open in a new window.



Fig 23.

3 Click on the button **A** to start the WebUpdate Manager.

Note: *If a Firewall/Security dialogue box appears requesting permission to connect to the Webupdate Manager - make sure to click "Allow".*



Fig 24.

4 The manager will connect to the JCB Servicemaster server.



Fig 25.

5 Click Download to allow the manager to search for updates.

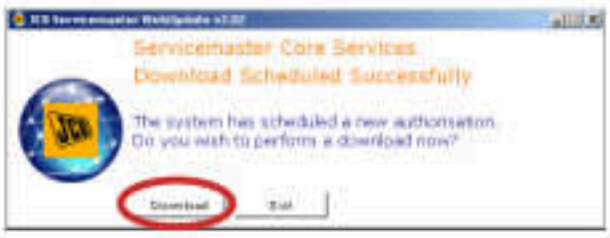


Fig 26.



Fig 27.

6 If Servicemaster is already up to date the manager will display the message below. ⇨ *Fig 28. (M4-13)*

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Loadall LMS Setup - User Guide



C032988

Introduction

The **Loadall LMS Setup** software tool is part of the **JCB Service Master** software suite. The software is designed to allow software updates and to configure the Electronic Instrument cluster to match machine parameters.

Note: *This software guide is universal and some functions may not be available on particular machine variants.*

This software is intended for use on IBM Compatible Personal Computers **(PCs)** running **Windows 9x**, **Windows2000** and **WindowsXP** operating systems but is not compatible with either earlier versions of **Windows 3.x**. Ideally the computer should be a laptop type.

Care and Safety

⚠ WARNING

Be sure to read and follow any on screen instructions. Failure to follow correct procedure could result in death or injury.

2-4-5-5

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