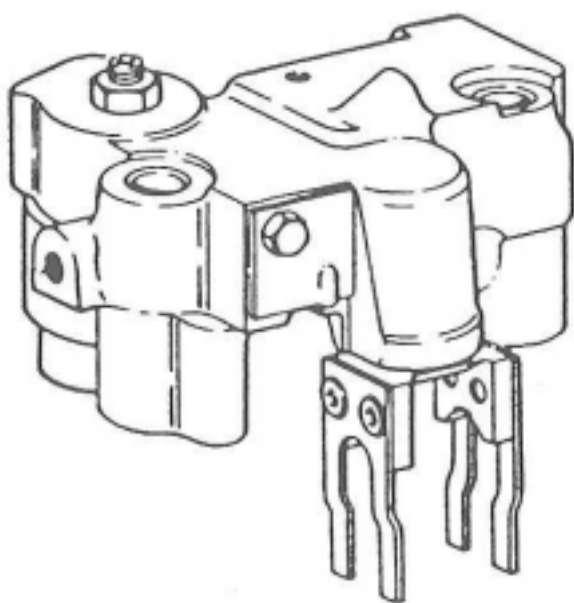




Jacobs Vehicle Systems®

Jacobs Parts Manual

For Model 53A



The Model 53A Jake Brake® is designed and approved for use on Daimler series 6V-53 engines.

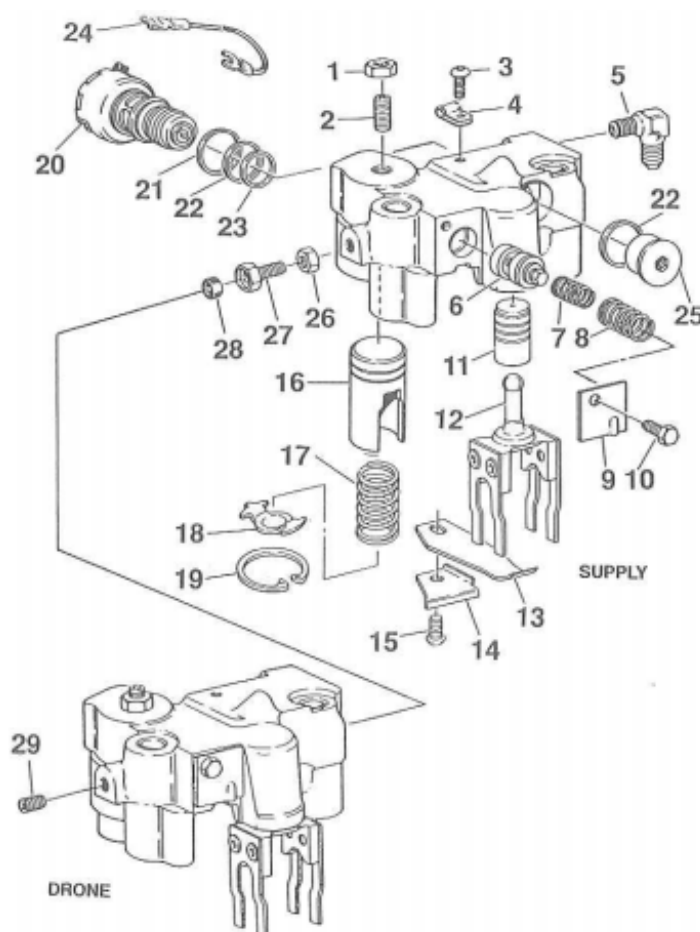
Refer to Jacobs Service Letters and instructional literature for specific application information.

Information contained in this manual was current at the time of printing and is subject to change without notice or liability.

MODEL 53A HOUSING ASSEMBLIES

Pkgd. Hsg. P/N	Description
013473	Housing Assy., 24V - Supply
012496	Housing Assy., 24V - Drone

III. No.	Jacobs P/N	Part Name	Qty./ Supply	Qty./ Drone
1	001026	Jam Nut, Hex	1	1
2	001031	Set Screw, Flat Hex Head	1	1
3	001722	Capscrew, Hex Socket	1	-
4	014908	Clamp, Cable	1	-
5	002738	Elbow	1	-
6	011930	Spool Assy., Control Valve	1	1
7	001012	Spring, Control Valve	1	1
8	001519	Spring Stop, Control Valve	1	1
9	002714	Cover, Control Valve	1	1
10	001492	Capscrew, Hex Head	1	1
11	003329	Master Piston	1	1
12	003337	Fork Assy., Master Piston	1	1
13	009505	Spring, Master Piston	1	1
14	003670	Retainer, Spring	1	1
15	001265	Capscrew, Hex Socket, But Head	1	1
16	002876	Slave Piston	1	1
17	001288	Spring, Slave Piston	1	1
18	001289	Retainer, Slave Piston Spring	1	1
19	001023	Ring, Retaining	1	1
20	024619	Solenoid Valve, 24V DC	1	-
21	020229	Seal, Ring - Upper	1	1
22	001082	Seal, Ring - Center	2	1
23	001083	Seal, Ring - Lower	1	1
24	002390	Harness, Solenoid - Screw Type	1	-
25	013486	Nut, Solenoid Valve	1	-



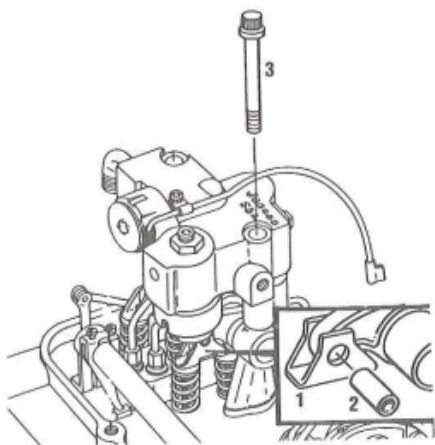
Attaching Parts Group - 002885

III. No.	Jacobs P/N	Part Name	Qty./Engine
26	002249	Jam Nut, Hex	4
27	002235	Connector, Oil	4
28	002236	Seal Ring, Oil Connector	4
29	002328	Set Screw, Oil Plug	4

HOUSING ATTACHING PARTS GROUP

Attaching Parts Group - 002762

III. No.	Jacobs P/N	Part Name	Qty./Engine
1	002871	Bridge, Exhaust Valve	1
2	002872	Pin, Push Rod Clevis	1
3	002715	Bolt, Hold-Down	2



CONTROL GROUP

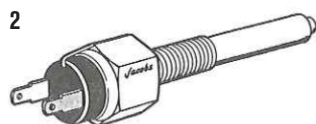
Control Group V-6 Engine with Bomag Switch - 017358

III. No.	Jacobs P/N	Part Name	Qty./Group
1	002299	Terminal Assy. Leadout	2
2	014606	Switch, Buffer Screw Assy.	1
NI	003839	Harness	2

1



2

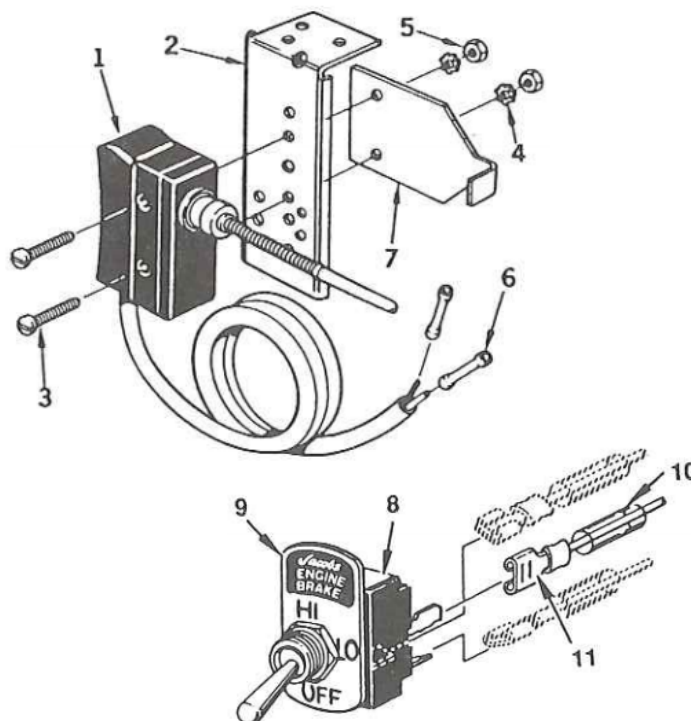


OPTIONAL CONTROL GROUP

Cab Control Group - 003975

III. No.	Jacobs P/N	Part Name	Qty./Group
Switch Assembly - Clutch - 012261			
1	012246	Clutch Switch	1
2	012269	Switch Mount Bracket	1
3	005377	Pan Ead Screw	2
4	005378	Lockwasher	2
5	003306	Hex Nut	2
6	013078	Butt Splice	2
7	012262	Overtravel Bracket*	1
NI	013674	Instruction Sheet	1
Switch Group - 003776			
8	003586	Switch, Toggle	1
9	003777	Plate, Dash	1
10	003707	Shrink Tube	3
11	003278	Receptacle	3
NI	003781	Harness	1
NI	006833	Tie, Cable	12
NI	015758	Wire, 96 in. Long	1
NI	003778	Loom	1
NI	016556	Wiring Diagram	1

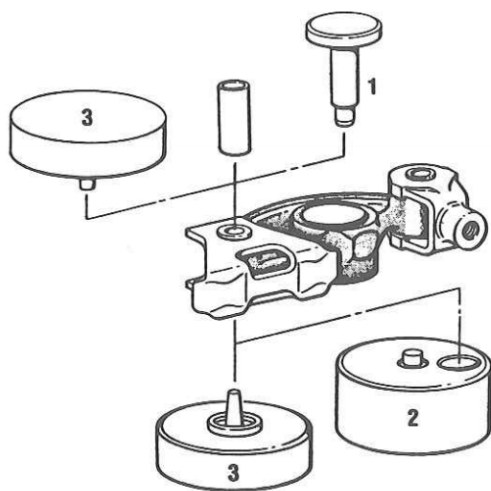
*Optional Item Not Included in Group.



SERVICE PARTS

Bridge Assy. Tool Group - 002881

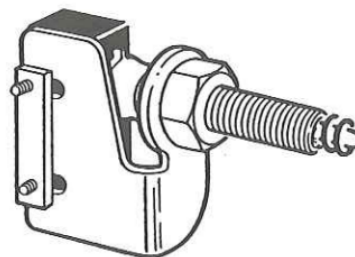
III. No.	Jacobs P/N	Part Name	Qty./Group
1	002874	Punch, Bridge Pin	1
2	002875	Block, Bridge Pin	1
3	002873	Die, Bridge Cimping	2



OPTIONAL BUFFER SWITCH

Jacobs P/N	Part Name
002860	Buffer Switch*

*Optional for Model 4-53A Engine Brake Applications.



OPTIONAL HOUSING ASSEMBLIES

Housing Assy., 12V - 012495

Jacobs P/N	Part Name
014619	Harness
024613	Solenoid, 12V Blade Conn.

Housing Assy., 24V - 013478

Jacobs P/N	Part Name
002390	Harness
024619	Solenoid, 12V Blade Conn.