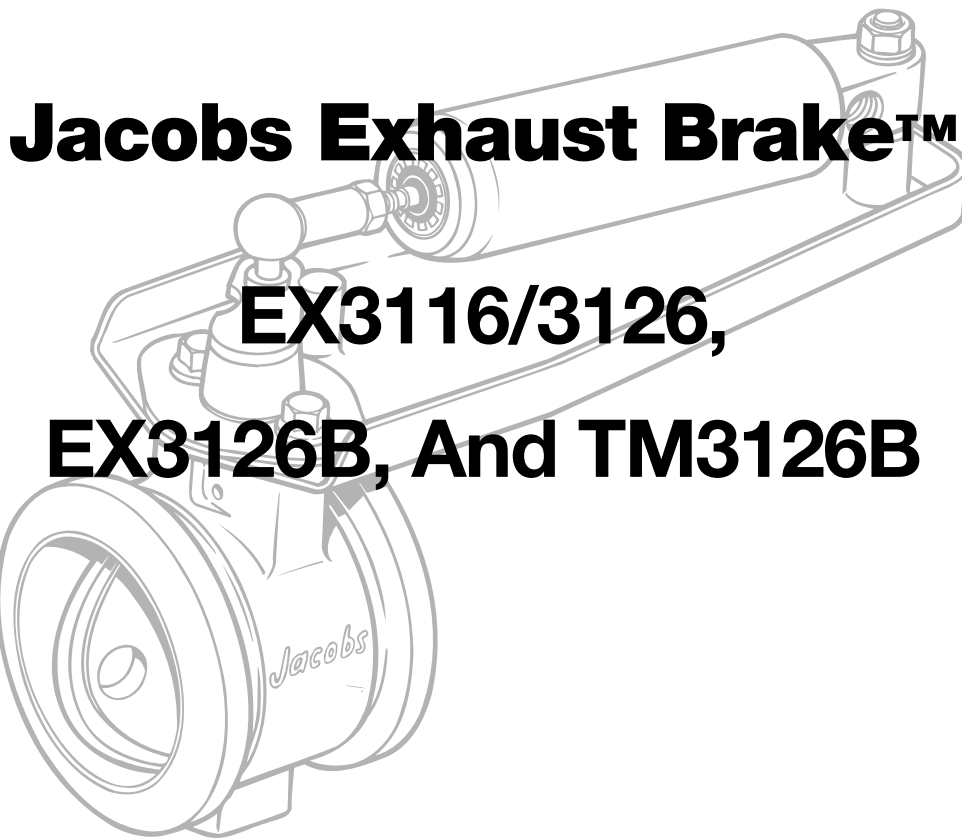




Jacobs Vehicle Systems™



Jacobs Exhaust Brake™

EX3116/3126,

EX3126B, And TM3126B

FOR APPLICATION ON 3116, 3126, AND 3126B CATERPILLAR® ENGINES

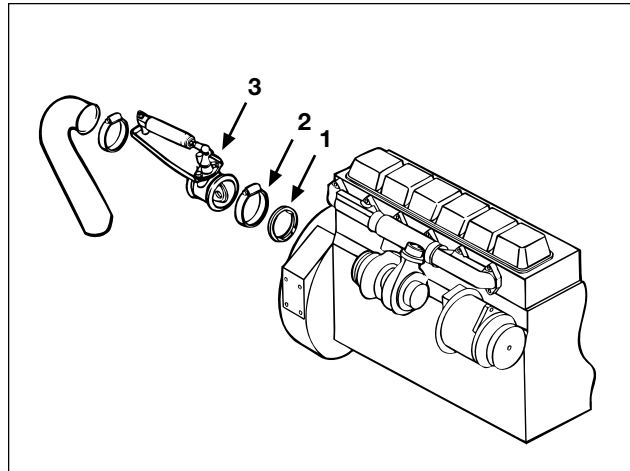
PARTS MANUAL

Information in this manual was current at the time of printing and is subject to change without notice or liability. See the Jake Brake Product Reference Guide for Caterpillar Engines, Manual Form RENR 1370, and Jacobs website - www.jakebrake.com - for more information.

Assembly Groups

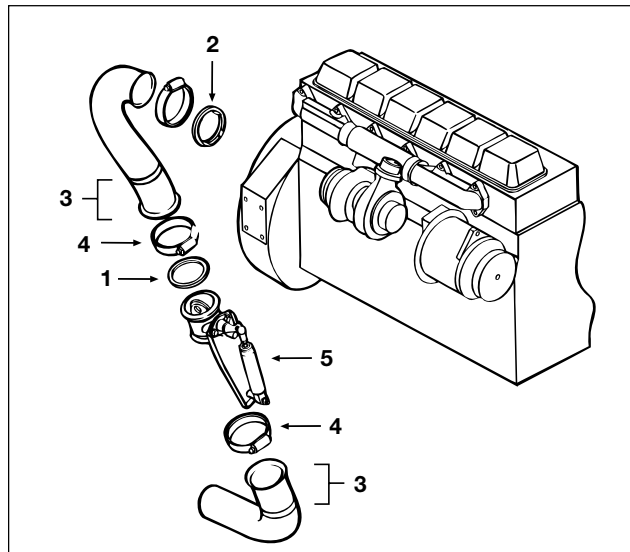
Model TM3126B, P/N 177-9594

III. Part No. Number	Description	Qty/ Group
1 177-9598	Gasket	1
2 177-9599	"V" clamp	1
3 177-9597	Exhaust brake assembly	1



Model EX3126B, P/N156-4163

III. Part No. Number	Description	Qty/ Group
143-6616	Gasket group	1
1 143-6505	Gasket	1
2 148-7472	Gasket	1
3 143-6686	Exhaust sleeve	2
4 154-7080	"V" clamp	2
5 156-4162	Exhaust brake assembly	1

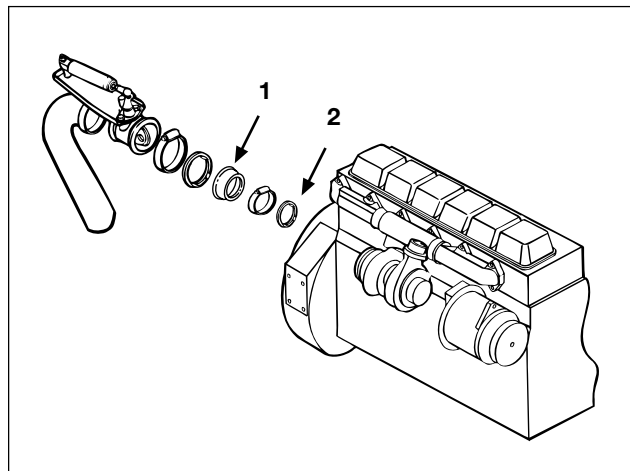


Model EX3116/EX3126, P/N 148-7471

III. Part No. Number	Description	Qty/ Group
143-6616	Gasket group	1
1 143-6505	Gasket	1
2 148-7472	Gasket	1
3 143-6686	Exhaust sleeve	2
4 154-7080	"V" clamp	2
5 148-7479	Exhaust brake assembly	1

Adapter Parts for EX3116/EX3126 or EX3126B

III. Part No. Number	Description	Qty/ Group
1 171-2410	Adapter, 3.5" long	1
1 180-5172	Adapter, 2" long	1
2 177-9598	Gasket	1



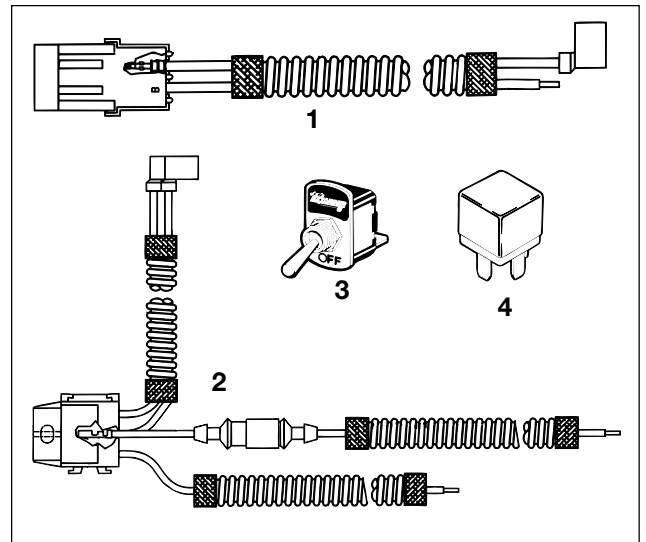
Control Groups

(Purchased individually - not part of base kits)

Electronic Engine Control Group,

P/N 148-7412

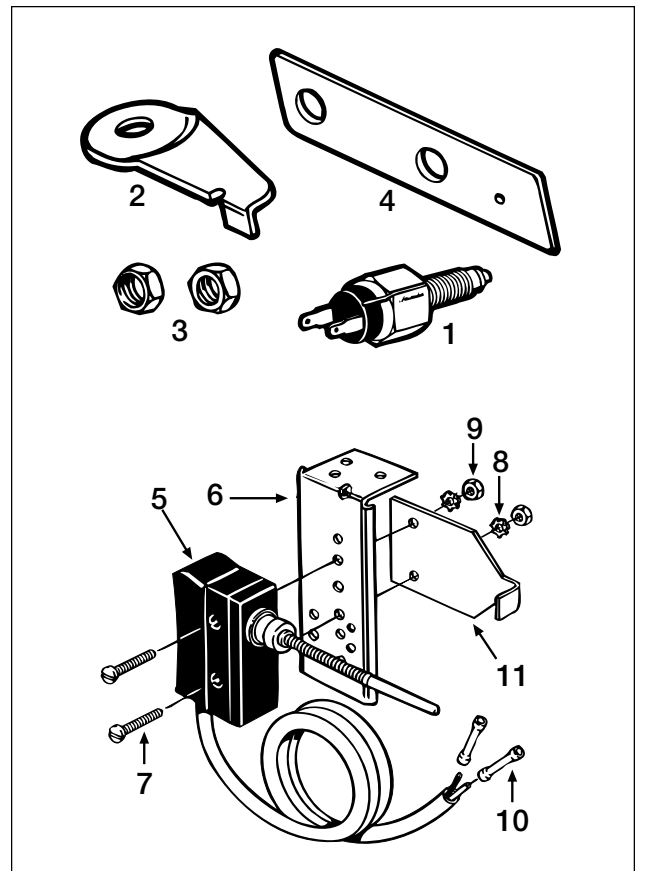
III. Part No. Number	Qty./ Description	Group
1 148-7410	Solenoid harness	1
2 148-7409	Relay harness	1
3 148-7411	Dash switch group	1
4 148-7501	Mechanical relay	1
NI NSS	Wiring diagram	1



Mechanical Engine Control Group,

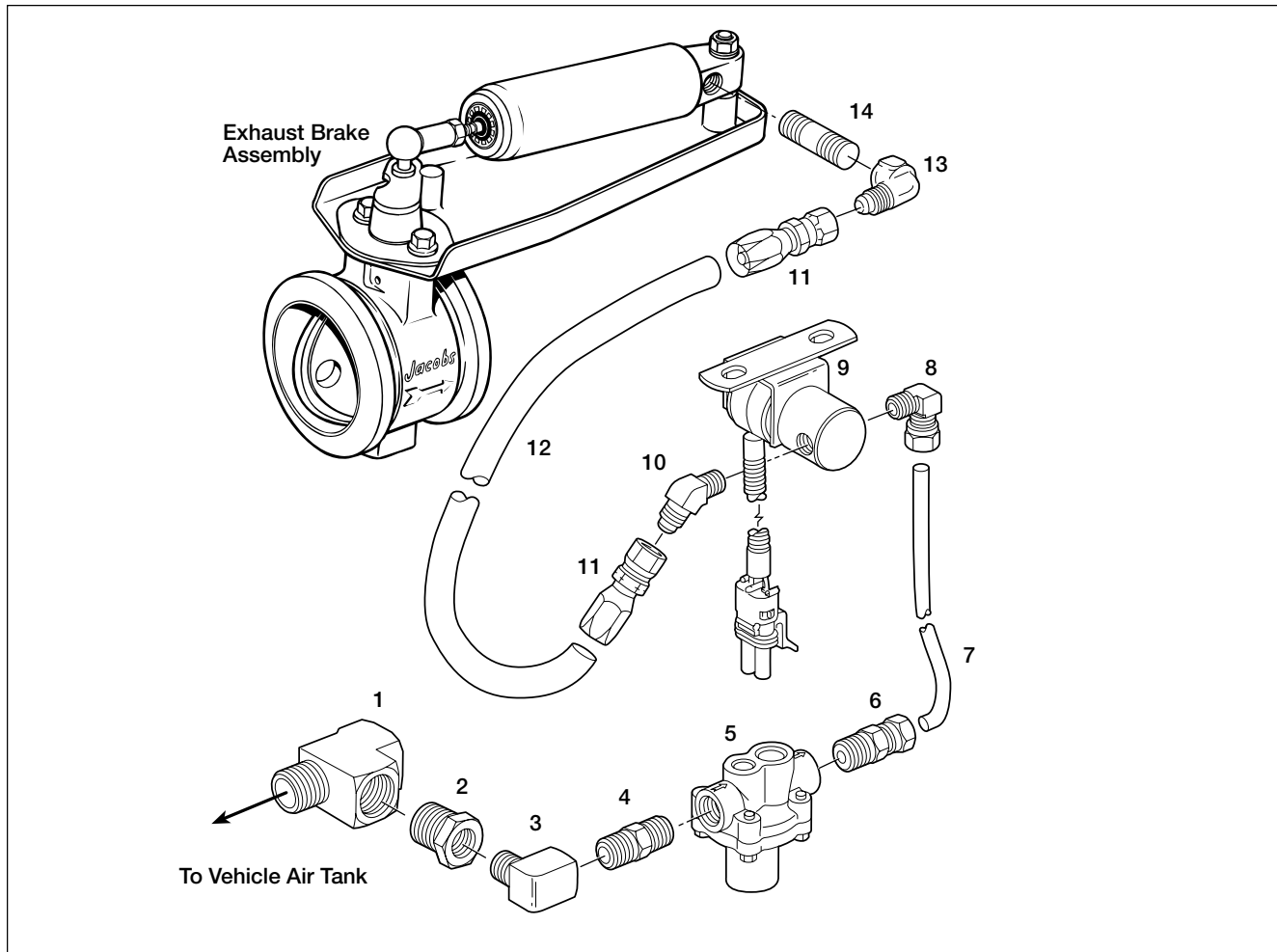
P/N 148-7468

III. Part No. Number	Qty./ Description	Group
1 143-6715	Buffer switch assembly	1
2 143-7473	Switch bracket	1
3 9L-7712	Hex jam nut, 3/8 - 26	2
4 NSS	Template	1
143-6456	Clutch Switch Group	
5 143-6455	Clutch switch	1
6 143-6458	Switch mount bracket	1
7 30-8838	Pan head screw	2
8 5H-6555	Lock washer	2
9 4B-2041	Hex nut	2
10 143-6465	Butt splice	2
NI NSS	Instruction sheet	1
11 NSS	Overtravel bracket	1
143-2530	Dash Switch Group	
NI 143-6549	Dash switch	1
NI 148-7454	Switch plate (English)	1
NI 143-2531	Switch plate (Spanish)	1
NI NSS	Dashboard decal (English)	1
NI NSS	Dashboard decal (Spanish)	1
143-6685	Wire Harness Group	
NI 143-6565	Power lead harness	1
NI NSS	Exhaust brake harness	1
NI NSS	Wiring Schematic	1



NI = Not illustrated
NSS = Not sold separately

Pneumatic Group



III. Part No. Number	Description	Qty. Group	No. Number	Description	Group
1	5L-5502 Pipe tee, 1/2 NPT	1	NI 148-7453	Support clamp	5
2	6B-5072 Bushing, 1/2 - 1/4 NPT	1	NI 0S-1616	1/4 - 20 x 1 hex bolt	5
3	7F-9311 90° street elbow, 1/4 NPT	1	NI 9S-8750	1/4 - 20 nut	5
4	5K-2408 Hex nipple, 1/4 NPT	1	NI 4B-4276	Plain washer	5
5	148-7436 Protection valve	1	NI 3B-4504	Lock washer	5
6	148-7457 Compression fitting assy.	1	NI 3B-9406	45° flared, 90° elbow, 1/8 NPT	1
7	148-7458 Air brake tube	1			
8	148-7459 Compression fitting assy.	1			
9	148-7446 Solenoid valve assembly	1			
10	3K-3982 45° flared, 45° elbow, 1/8 NPT	1			
11	148-7461 Hose fitting assembly	2			
12	148-7462 Air brake hose	1			
13	155-5589 45° flared, 90° elbow, 1/4 NPT	1			
14	3B-7894 Nipple, 1/4 NPT	1			
III. Part		Qty./			

NI = Not illustrated

NSS = Not sold separately

Optional Equipment/Service Kits

Pneumatic Group with Air Supply, P/N 159-9774

Part Number	Description	Qty.. Group
159-9776	Air reservoir	1
159-9775	Air compressor w/ harness	1
148-7446	Solenoid valve assy	1
148-7458	Air brake tube	1
148-7462	Air brake hose	1
159-9773	Drain valve	1
159-9772	Pressure relief valve	1
159-9771	Check valve	1
159-8343	Pressure switch	1
148-7457	Compression fitting	2
148-7459	Compression fitting	2
3B-9406	45° flared elbow 1/8 NPT	1
148-7461	Hose fitting assy.	2
155-5589	45° flared,90° Elbow 1/4 NPT	1
3B-7894	Pipe Nipple	1
6U-6673	Coupling	1
3B-6768	Bushing	1
148-7453	Support Clamp	5
0S-1616	1/4 - 20 x 1 Hex Bolt	5
9S-8750	1/4 - 20 Nut	5
4B-4276	Plain Washer	5
3B-4504	Lock Washer	5

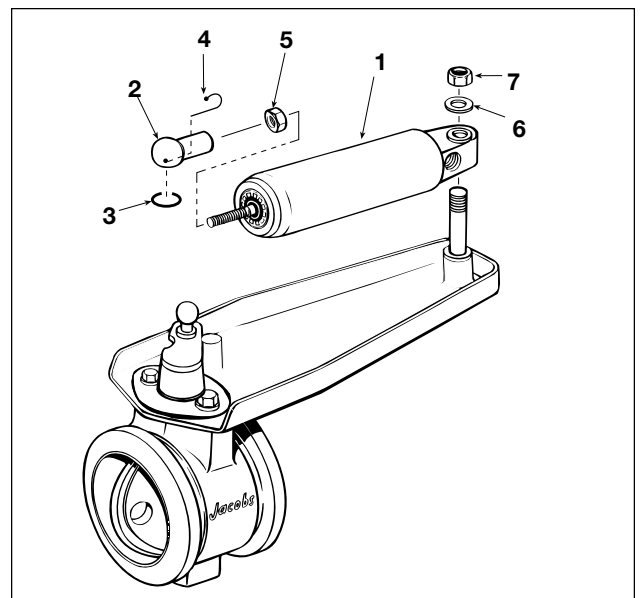
Air Supply Harness Group, P/N 159-9770

Part Number	Description	Qty.. Group
148-7501	Relay	1
159-9769	Compressor Harness	1
NSS	Cable ties	10
143-6685	Harness Group	1
143-6565	Power lead harness	1
NSS	Exhaust brake harness	1

Air Cylinder Replacement Kit,

P/N 177-9601

III. Part No. Number	Description	Qty/ Kit
1 143-6463	Air Cylinder	1
2 180-5171	Socket Joint	1
3 NSS	Internal Snap Ring	1
4 NSS	Safety Clip (J-Clip)	1
5 NSS	Jam Nut, M8 x 1.25	1
6 NSS	Washer, M8	1
7 NSS	Locking Nut M8 x 1.25	1
NSS	Instruction Sheet	1



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