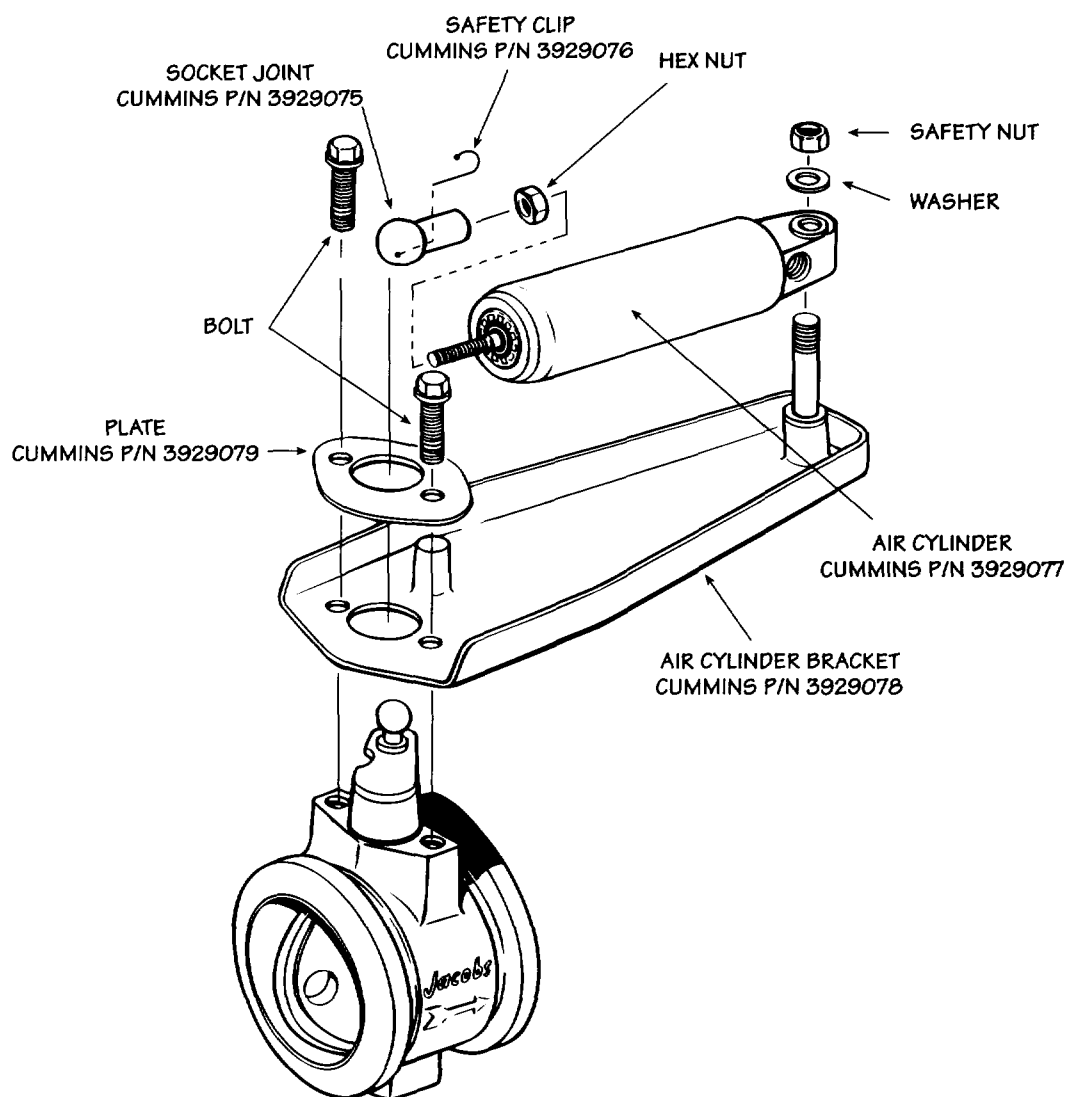




E BRAKE
by Jacobs

Parts Manual
For B5.9 Mechanical
Engines



Application Notes

- A. The aftermarket base kit, Cummins P/N 3802671, is designed for vehicles equipped with the Cummins B Series engine, equipped with Exhaust Valve Springs (Cummins P/N 3916691) which are included in this kit (see Application Notes B and C, below).
- B. The Cummins B Series engine may be specified from Cummins Engine Company with the heavy-duty exhaust springs.
- C. Engines produced after November, 1991 have color-coded valve springs: Standard duty, Cummins P/N 3900276, BLUE stripe, P/N 3926700, solid WHITE; Heavy duty, Cummins P/N 3916691, WHITE stripe.
- D. For applications on vehicles equipped with hydraulic brakes: Refer to the instructions included in the Auxiliary Air Group, Cummins P/N 3802673, for parts and installation information.

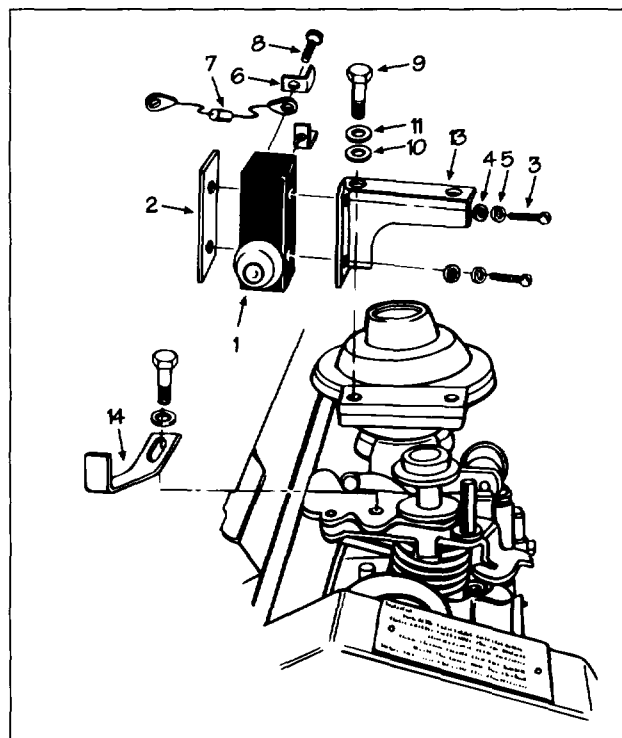
Control Group

Engine Control Group Cummins P/N 3803911

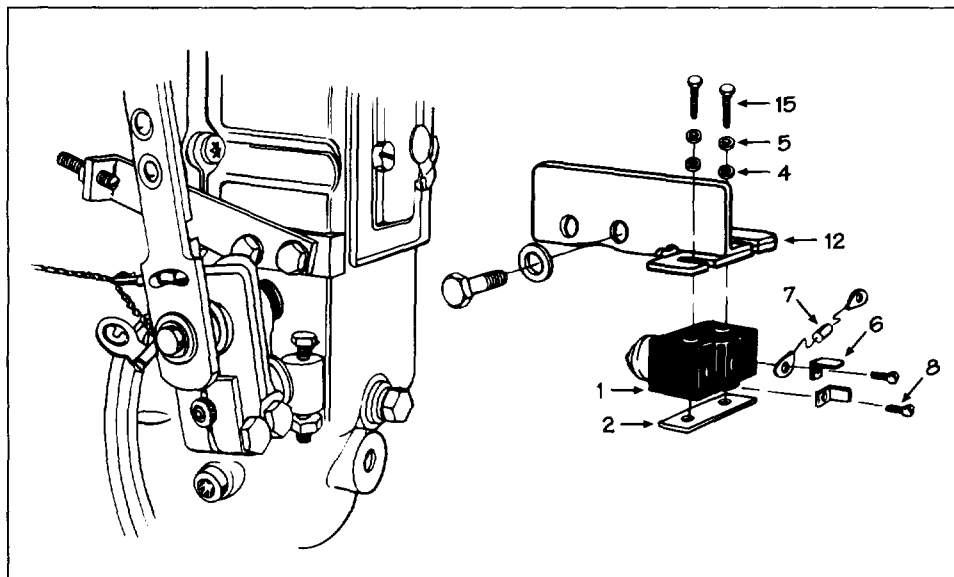
III. No.	Cummins P/N	Description	Quan./ Group
1	3929052	Switch	1
2	NSS	Clamp	1
3	NSS	Screw	2
4	NSS	Plain washer	2
5	NSS	Lock washer	2
6	NSS	Quick disconnect tab	2
7	3929053	Diode assembly	1
8	NSS	Screw assembly	2
9	NSS	Hex cap bolt, M6x1x20	1
10	NSS	Plain washer, 6 MM	2
11	NSS	Lock washer, 6 MM	2
12	3929054	In-line pump bracket	1
13	3929055	Rotary I bracket	1
14	3929056	Rotary II bracket	1
15	NSS	Screw	2

NSS = Not Sold Separately

Rotary Pump

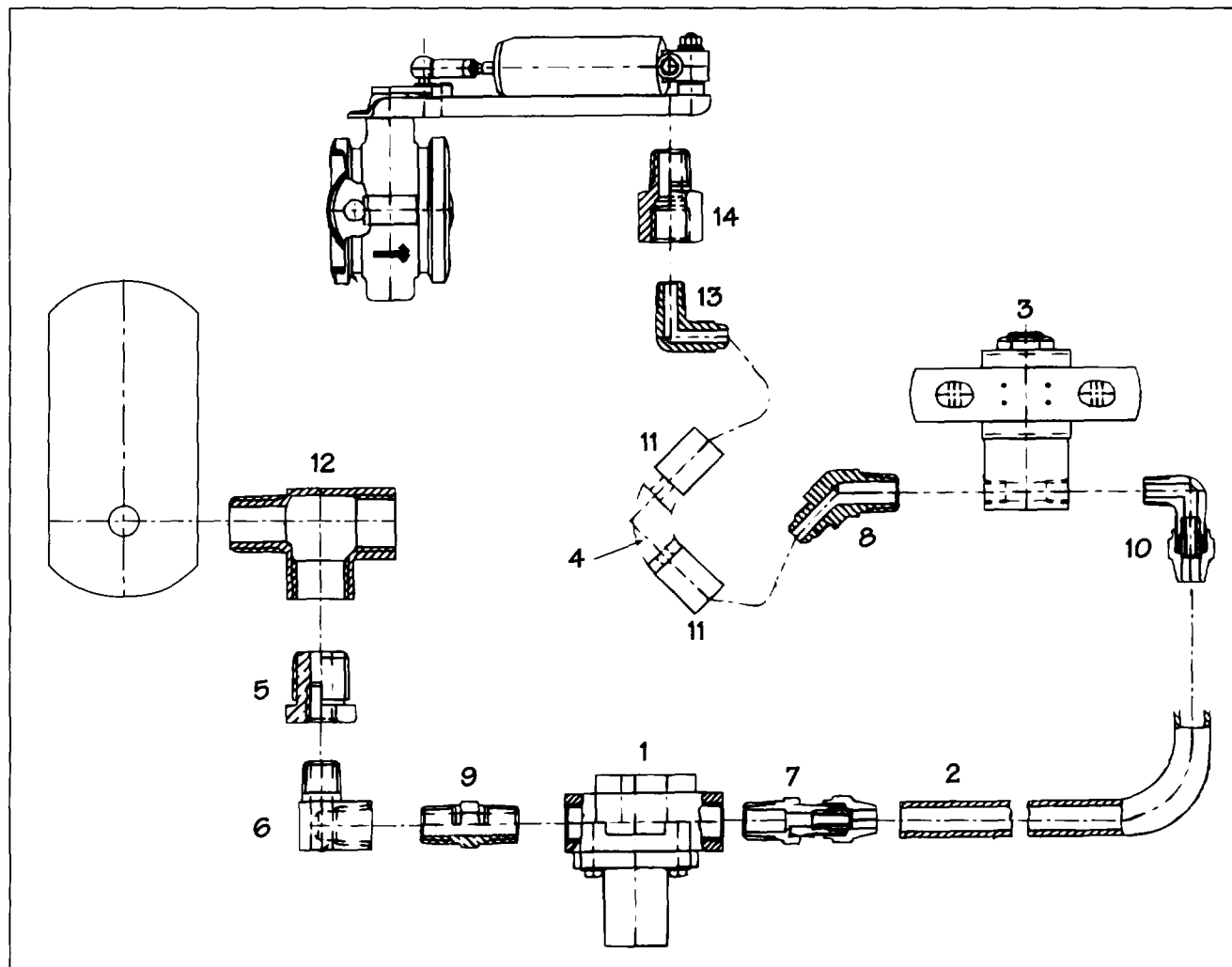


In-line Pump



Pneumatic Group

Cummins P/N 3803910



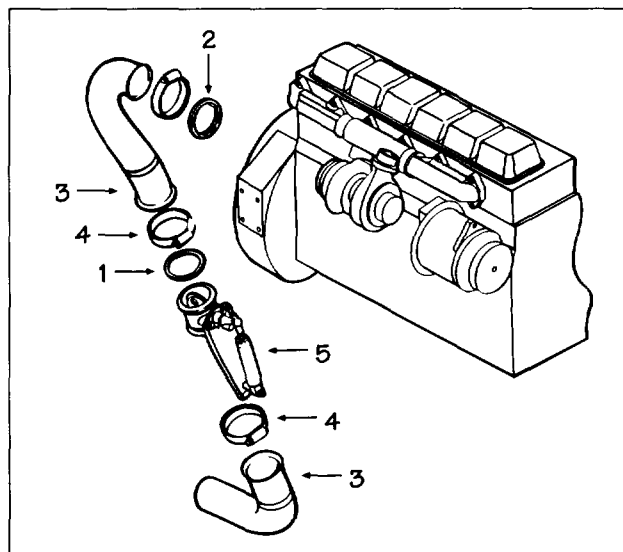
Ill. No.	Cummins P/N	Description	Quan./ Group	Ill. No.	Cummins P/N	Description	Quan./ Group
1	3929050	Protection valve	1	5	NSS	Bushing	1
2	NSS	Air brake tube	1	6	NSS	90° street elbow, 1/4 NPT	1
3	3929051	Solenoid valve assembly	1	NI	NSS	45° flared, 90° elbow, 1/8 NPT	1
4	NSS	Air brake hose	1	7	NSS	Compression fit. assy.	1
NI	NSS	Support clamp	5	8	NSS	45° flared, 45° elbow, 1/8 NPT	1
NI	NSS	1/4 - 20 x 1 hex bolt	5	9	NSS	Hex nipple	1
NI	NSS	1/4 - 20 hex nut	5	10	NSS	Compression fit. assy.	1
NI	NSS	Plain washer	5	11	NSS	Hose fitting assembly	2
NI	NSS	Lock washer	5	12	NSS	Pipe tee	1
				13	NSS	45° flared elbow, 1/4 NPT	1
				14	NSS	Adapter	1

NI = Not Illustrated

NSS = Not Sold Separately

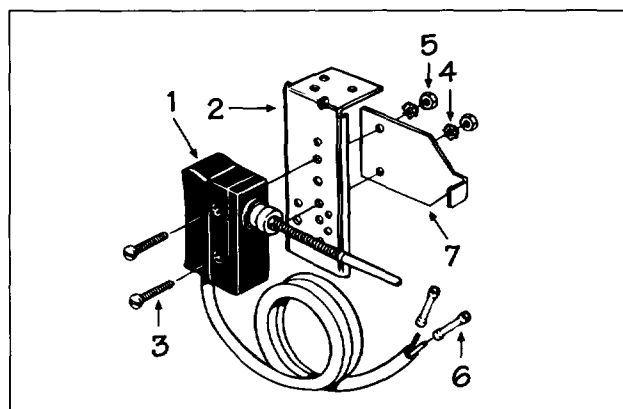
Assembly Group Cummins P/N 3803905

III. No.	Cummins P/N	Description	Quan./ Group
	3803906	Gasket group	1
1	3929057	•Gasket	1
2	3929058	•Gasket	1
3	3929059	Exhaust sleeve	2
4	3929060	"V" clamp	2
5	3928757	E Brake assembly	1



Clutch Switch Group Cummins P/N 3803907

III. No.	Cummins P/N	Jacobs Description	Quan./ Group
1	3929049	Clutch switch	1
2	NSS	Switch mount bracket	1
3	NSS	Pan head screw	2
4	NSS	Lock washer	2
5	NSS	Hex nut	2
6	NSS	Butt splice	2
NI	NSS	Instruction sheet	1
7	NSS	Overtravel bracket*	1



Dash Switch Group (NI) Cummins P/N 3803908

III. No.	Cummins P/N	Description	Quan./ Group
NI	NSS	Dash switch	1
NI	NSS	Switch plate (English)	1
NI	NSS	Switch plate (Spanish)	1
NI	NSS	Dashboard decal (Eng.)	1
NI	NSS	Dashboard decal (Span.)	1

Wire Harness (NI) Cummins P/N 3803909

Exhaust Valve Springs (white stripe) (NI) Cummins P/N 3916691

NI = Not Illustrated

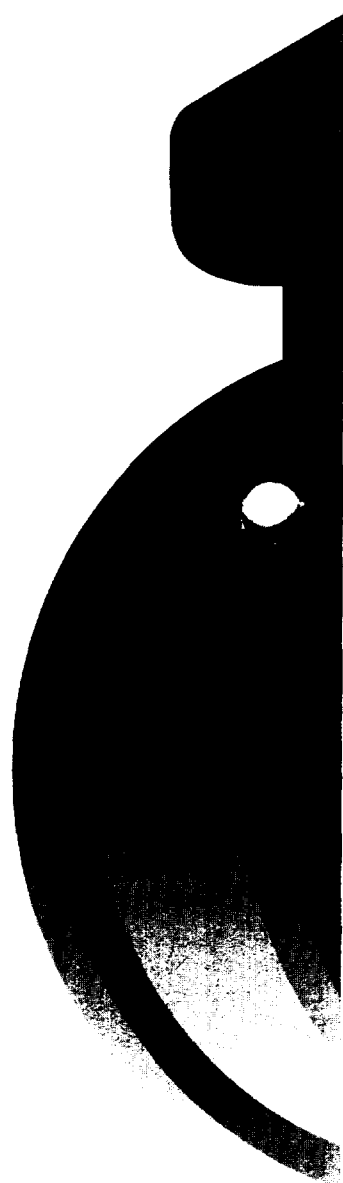
NSS = Not Sold Separately

* Optional item not included in group



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