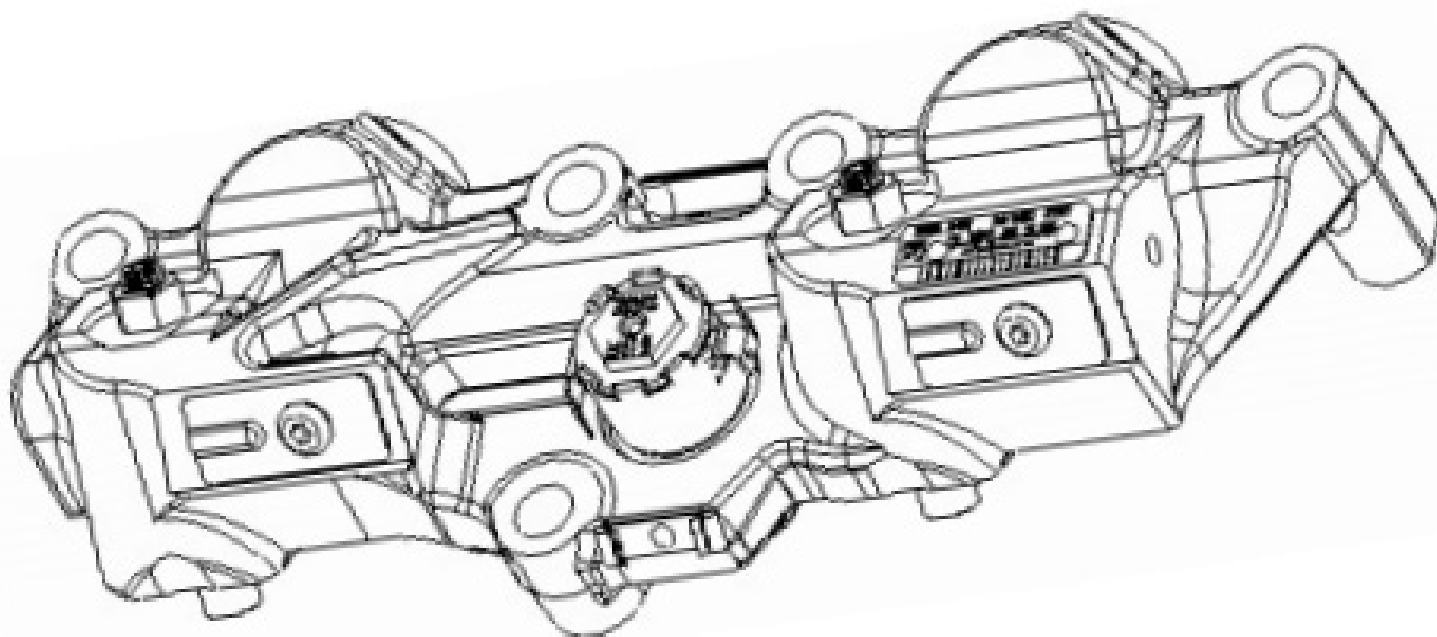


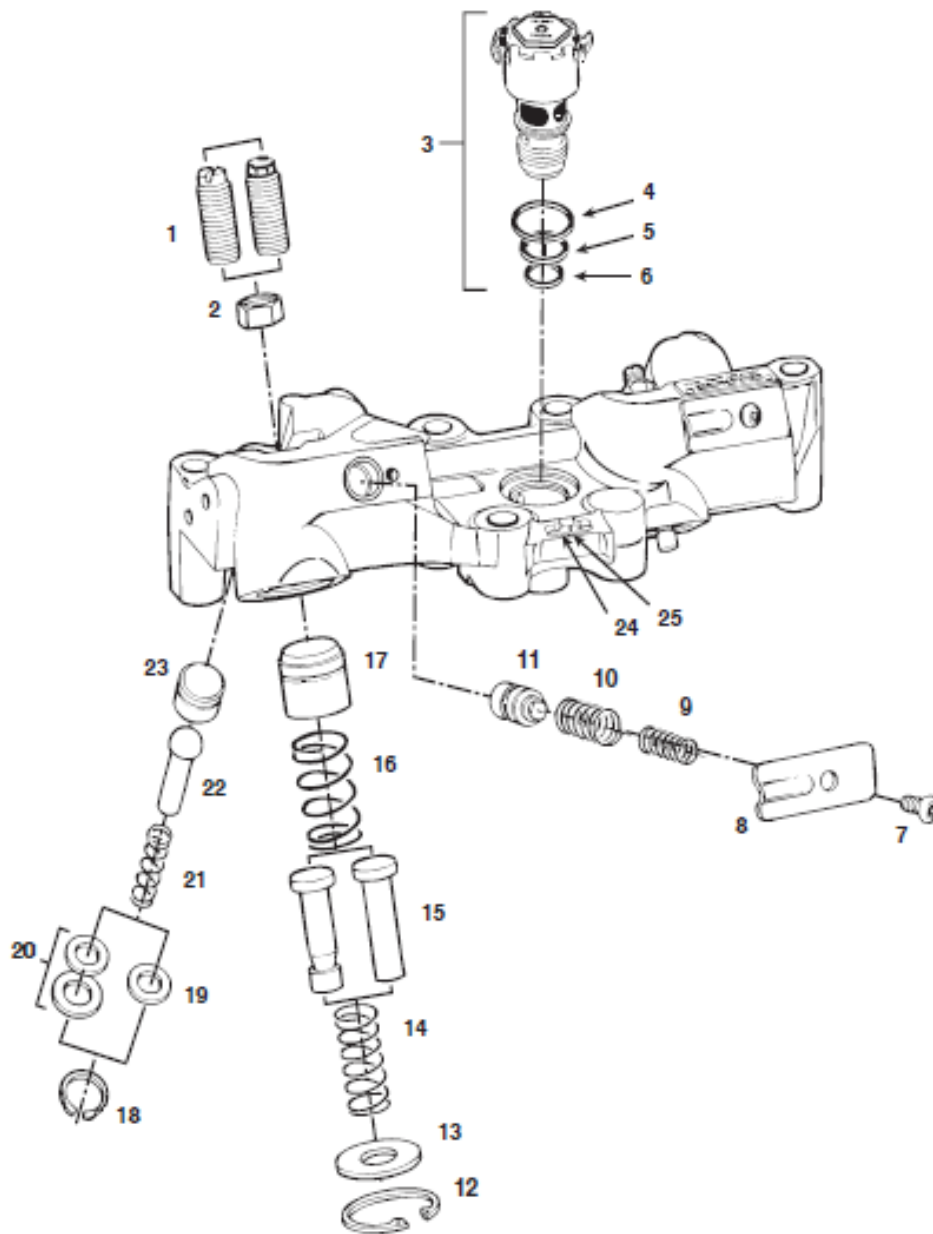


Jacobs Vehicle Systems®

Model 340 Parts Manual

For CAT 3406 Engines





Part Number				Quantity per Housing						
III. No.	CAT	Jacobs	Part Name	Early 340A*	Late 340A*	Early 340B**	Late 340B	340C	340D	340E
-	242-0840	033020	Housing assembly, 12 VDC, D/L							1
-	242-0843	033021	Housing assembly, 24 VDC, D/L							1
-	221-1189	031304	Housing assembly, 12 VDC, D/L						1	
-	221-1197	031307	Housing assembly, 24 VDC, D/L						1	
-	189-5949	029937	Housing assembly, 12 VDC, D/L					1		
-	189-5950	029938	Housing assembly, 24 VDC, D/L					1		
-	157-3493	025549	Housing assembly, 12 VDC, D/L	Obsolete						
-	157-3495	025550	Housing assembly, 24 VDC, D/L		Obsolete					
-	148-7478	024444	Housing assembly, 12 VDC, D/L		Obsolete					
-	148-7487	024450	Housing assembly, 24 VDC, D/L		Obsolete					
-	141-8389	024156	Housing assembly, 12 VDC, D/L	1						
-	144-2996	024157	Housing assembly, 24 VDC, D/L	1						

COMPONENT PARTS

III. No.	Part Number		Part Name	Quantity per Housing						
	CAT	Jacobs		Early 340A*	Late 340A*	Early 340B**	Late 340B	340C	340D	340E
1	143-6662	020538	Auto-lash assembly	2	2					
1	148-7485	024456	Auto-lash assembly (green)			2				
1	192-5502	020511	Auto-lash assembly (red)			2	2	2		2
2	1b-4430	011395	Locknut	2	2	2	2	2		2
2	221-1192	029908	Locknut						2	
3	163-1533	024610	Solenoid assembly, 12 VDC, D/L***	1	1	1	1	1	1	1
3	163-1553	024617	Solenoid assembly, 12 VDC, D/L***	1	1	1	1	1	1	1
4	143-6642	020229	Upper seal ring	1	1	1	1	1	1	1
5	2U-1492	001082	Center seal ring	1	1	1	1	1	1	1
6	2U-1493	001083	Lower seal ring			1	1	1	1	1
7	1Q-9551	003790	Button head screw	2	2	2	2	2	2	2
8	143-6589	018222	Control valve cover	2	2	2	2	2	2	2
9	143-2536	011823	Inner control valve spring	2	2	2	2	2	2	2
10	143-2596	010843	Outer control valve spring	2	2	2	2	2	2	2
11	102-8780	039022	Control valve	2	2	2	2	2	2	2
12	143-6561	017507	Slave piston retaining ring	2	2	2	2	2	2	2
13	143-6588	018221	Slave piston retaining washer	2	2	2	2	2	2	2
14	143-6582	018209	Inner slave piston spring	2	2	2	2	2	2	2
15	143-6590	018233	Slave piston pushrod (w/foot)	2	2	2	2			
15	192-5501	024114	Slave piston pushrod					2	2	2
16	143-6581	018208	Outer slave piston spring	2	2	2	2	2	2	2
17	143-6580	018207	Slave piston	2	2	2	2	2	2	2
17	221-1190	031303	Slave piston	2	2	2	2	2	2	2
18	143-6679	022006	Ring - retaining	2	2	2	2	2		2
18	221-1195	026555	Ring - retaining						2	
19	164-2025	026074	Washer - MP retainer	2						
20	143-6575	018144	Washer - MP retainer		2	2	2	2	2	2
20	NSS	025578	Washer - MP retainer		2	2	2	2		2
20	221-1194	031263	Washer - MP retainer						2	
21	143-6584	018214	Master piston spring	2	2	2	2	2	2	2
22	143-6585	018215	Master piston push rod	2	2	2	2	2	2	2
23	143-6583	018212	Master piston		2	2	2	2		
23	221-1193	031762	Master piston						2	
23	242-0841	033022	Master piston							2
24	143-6579	018204	Wire clip	1	1	1	1	1	1	1
25	143-6680	009922	Drive screw	3	3	3	3	3	3	3
-	221-1191	031270	Solid screw 3/8-24 x 1" long						2	

* Early Model 340A engine brake housings shipped prior to March 1997 were assigned Serial Numbers 070000 and below (for 12 volt applications) and A01000 and below (for 24 volt applications).

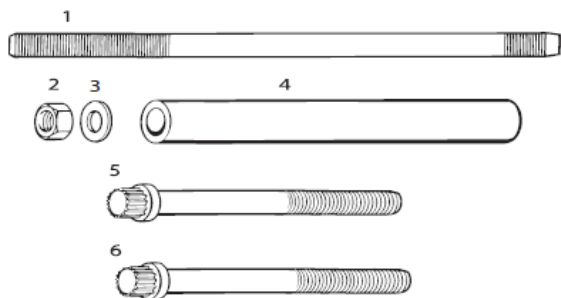
**Early 340B housings used 2 front mounting studs. Later 340B housings use 1 front mounting stud. A 340C housing can be used as a replacement for an early 340B housing by omitting 1 mounting stud. The 340C housing is a direct replacement for later 340B housings.

***All solenoid assemblies contain the solenoid and P/N 020229, 001082, and 001083 seal rings.

NSS - Not Sold Separately

ATTACHING PARTS

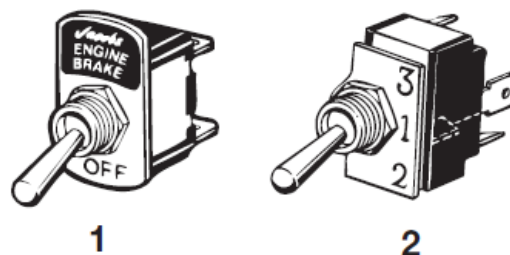
III. No.	Part Number		Part Name	Quantity per Housing						
	CAT	Jacobs		Early 340A*	Late 340A*	Early 340B**	Late 340B	340C	340D	340E
1	6I-1484	018203	Front mounting stud	2	2	2	1	1	1	1
2	141-1497	022179	Housing hold-down nut		2	2	1	1	1	1
3	100-4183	016375	Housing mounting washer	6	4	4	4	4	4	4
4	6I-1483	018925	Front support tube	2	2	2	1	1	1	1
5	167-0867	018316	Oil supply screw	4	4	4	1	1	1	1
6	257-2122	034370	Housing holddown bolt				3	3	3	3



CAB CONTROL GROUP

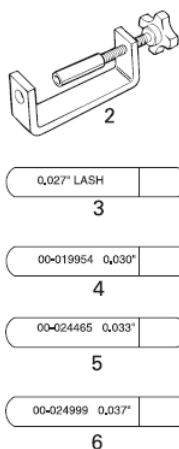
III. No.	Part Number		Part Name	Quantity per Group
	CAT	Jacobs		
	143-6652	020280	Switch Group	
1	143-6632	019915	ON/OFF switch, gold contacts	1
2	143-6633	019916	3-position switch, gold contacts	1
NI	143-6648	020244	Harness group	1
NI		020357	Wiring instructions	1

NI = Not Illustrated



SERVICE TOOLS & PARTS

III. No.	Part Number		Part Name
	CAT	Jacobs	
1	149-6111	018280	Oil pressure test kit
2	134-2837	018238	Slave piston removal tool
3	149-0028	003912	Feeler gage, 0.027"
4	149-0049	019954	Feeler gage, 0.030"
5	155-5238	024465	Feeler gage, 0.033"
6	155-5239	024999	Feeler gage, 0.037"
-	143-6628	019654	Tune-up kit



Tune-up Kit

Part Number		Part Name
CAT	Jacobs	
143-6642	020229	Upper Seal Ring
2U-1492	001082	Center Seal Ring
2U-1493	001083	Lower Seal Ring
1Q-9551	003790	Buttonhead Screw
143-6589	018222	Control Valve Cover
143-2536	011823	Control Valve Inner Spring
143-2596	010843	Control Valve Outer Spring .054" Wire
102-8780	039022*	Control Valve Assembly
143-6584	018214	Master Piston Spring .035" Wire
	019655	Instructions

*039022 replaces 011930