

CATERPILLAR ES12F

CZE / SEBP4040

Contents

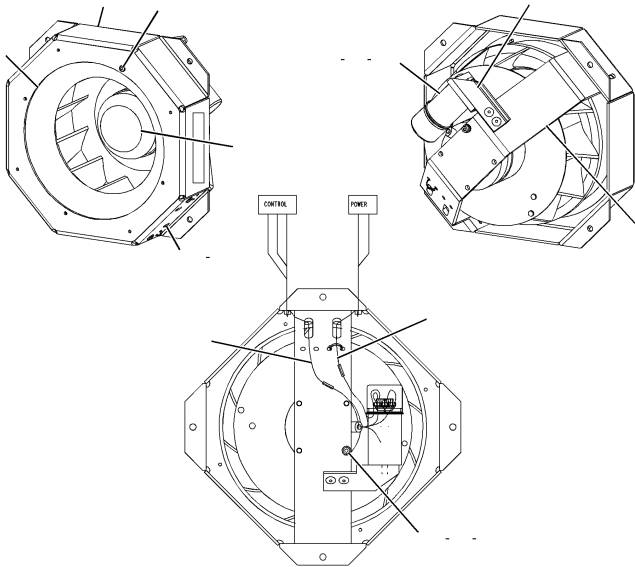
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Electrical and electronics	4
Basic engine	
Basic engine	

243-3794 FAN AS-CIRCULATING

243-3794 FAN AS-CIRCULATING PART OF 244-4993 FAN AS-CIRCULATING, 243-3792, 244-7593 FAN GP-CIRCULATING ALSO AN ATTACHMENT

Drawing 1 of 1

THE ITEMS BELOW ARE NOT SERVICED BY CATERPILLAR AND SHOULD BE PROCURED LOCALLY.			
REF NO	QTY	AP PART NO.	DESCRIPTION
100	I	17606	SHROUD, FAN, SER 1000
101	I	17605	BRACKET, FAN, SER 1000
102	I	17425	BRACKET, CAP, FAN, SER 1000
103	I	45066	RING, INLET, 1600 FAN, SERIES 1000
	I	29018	FAN, 1600 CFM, VAC, 50- HZ
		40705	BOLT, SEMS,HEX HD, GR5,ZNC,1/4-20x0.
401		40239	WASHER, FLAT, ZNC, 1/4-0.285x0.63x0.08
		46100	SCREW, SOC HD M6 X -MM ZN
		40290	WASHER, SPLIT LK M6 ZN
		40288	WASHER, FLAT M6 ZN
		40167	WASHER, FLAT #6 ZN
	I	20450	CAPACITOR, 10uF, w/ebm 1600 FAN
409	I	40293	WASHER, SPLIT LK M8ZN
701	I	40219	BOOT, INSULATION FOR CAPACITOR



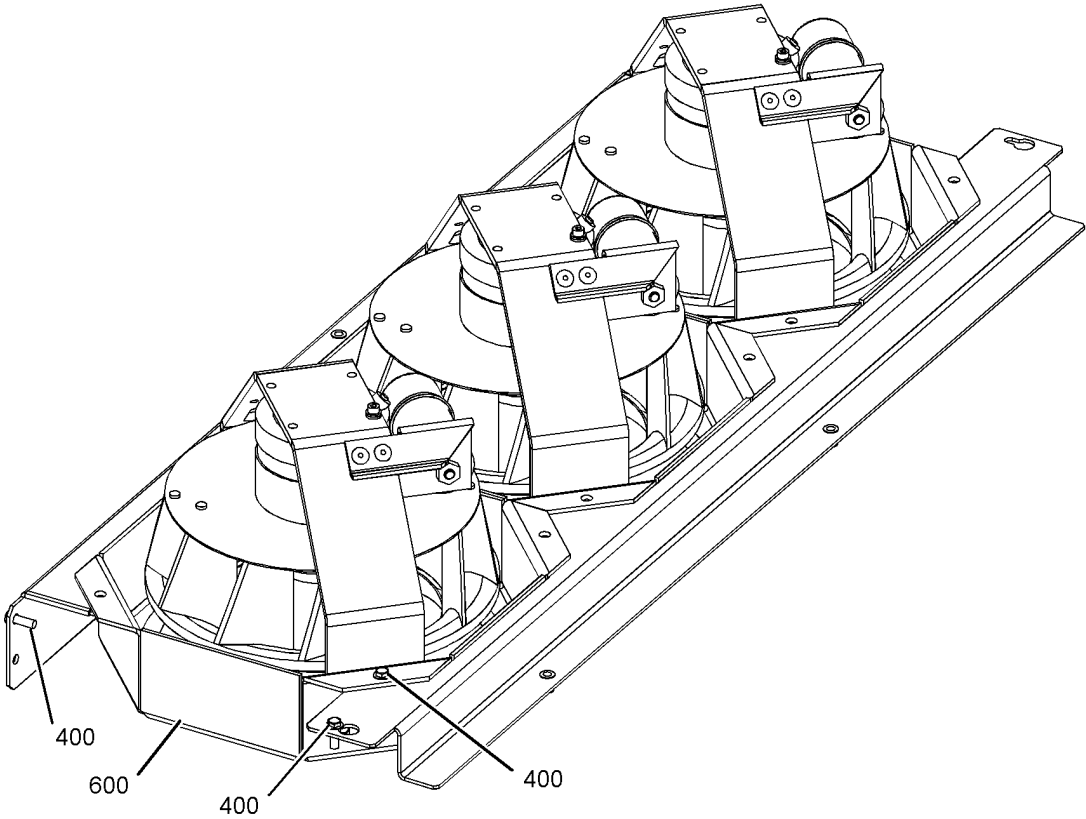
Ref.	Part number	Description	Qty	Code	Group page
600	244-1443	CABLE AS (CONTROL)	1		
601	244-1444	CABLE AS (POWER)	1		
(PARTS SHOWN ON THE GRAPHIC WITHOUT CATERPILLAR PART NUMBERS CAN BE PROCURED FROM LOCAL PARTS DISTRIBUTORS BY THE DESCRIPTIONS SHOWN.)					

243-3792 FAN GP-CIRCULATING

243-3792 FAN GP-CIRCULATING PART OF 244-4501 PANEL GP-POWER SUPPLY ALSO AN ATTACHMENT

Drawing 1 of 1

THE ITEMS BELOW ARE NOT SERVICED BY CATERPILLAR AND SHOULD BE PROCURED LOCALLY.			
REF NO.	QTY	AP PART NO.	DESCRIPTION
	18	40496	BOLT, FLNG, HXHD, ZNC, GR5, 1/4-20x0.



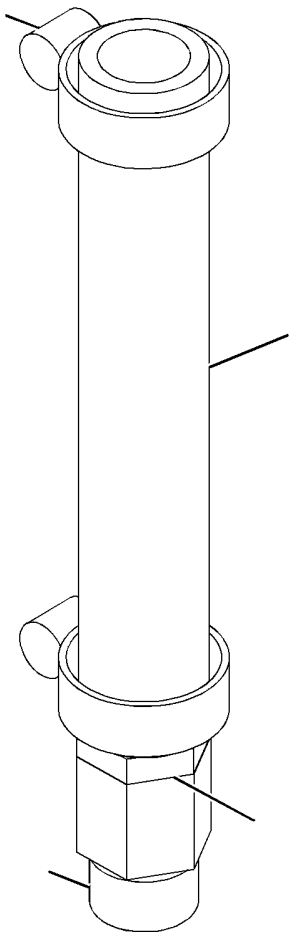
Ref.	Part number	Description	Qty	Code	Group page
600	243-3794	FAN AS-CIRCULATING	3	Y	
(PARTS SHOWN ON THE GRAPHIC WITHOUT CATERPILLAR PART NUMBERS CAN BE PROCURED FROM LOCAL PARTS DISTRIBUTORS BY THE DESCRIPTIONS SHOWN.)					

CAT codes: Y.

243-3783 COUPLING GP-VACUUM

243-3783 COUPLING GP-VACUUM PART OF 243-3796 FLYWHEEL GP-POWER SUPPLY ALSO AN ATTACHMENT

Drawing 1 of 1



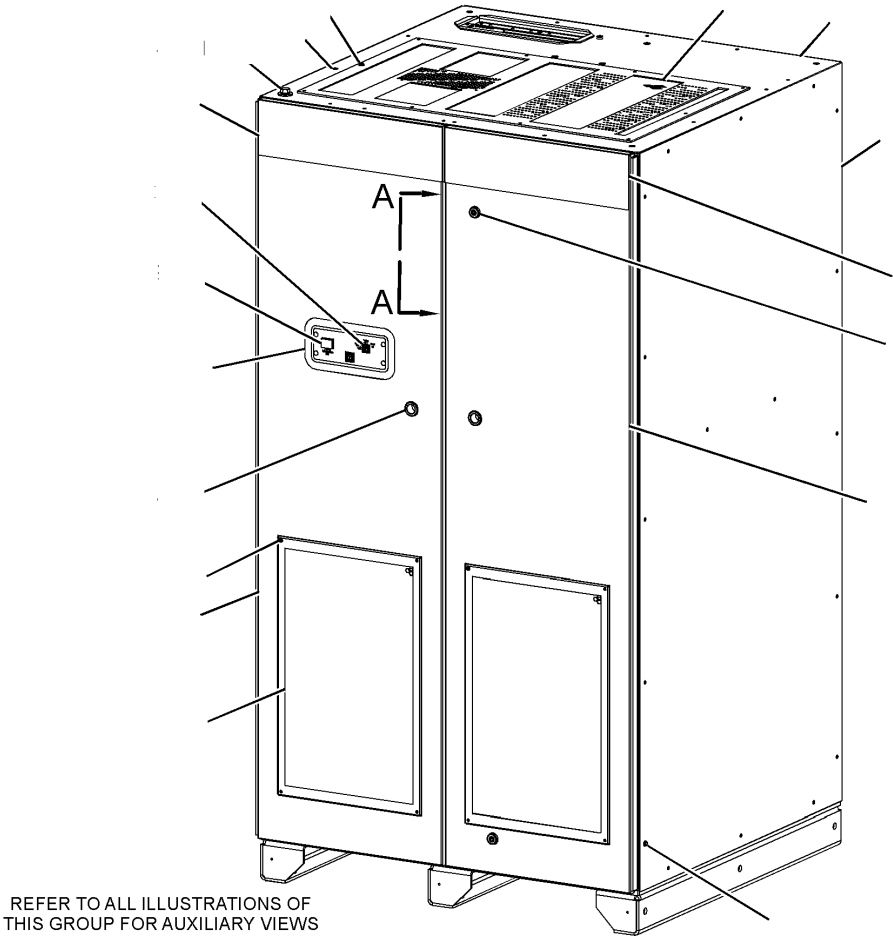
Ref.	Part number	Description	Qty	Code	Group page
400	240-1706	FITTING	1		
401	240-2661	CLAMP	2		
402	240-2512	FITTING	1		
403	243-5347	TUBING	1		

244-1407 ENCLOSURE GP-POWER SUPPLY

244-1407 ENCLOSURE GP-POWER SUPPLY PART OF 244-4501 PANEL GP-POWER SUPPLY ALSO AN ATTACHMENT

Drawing 1 of 2

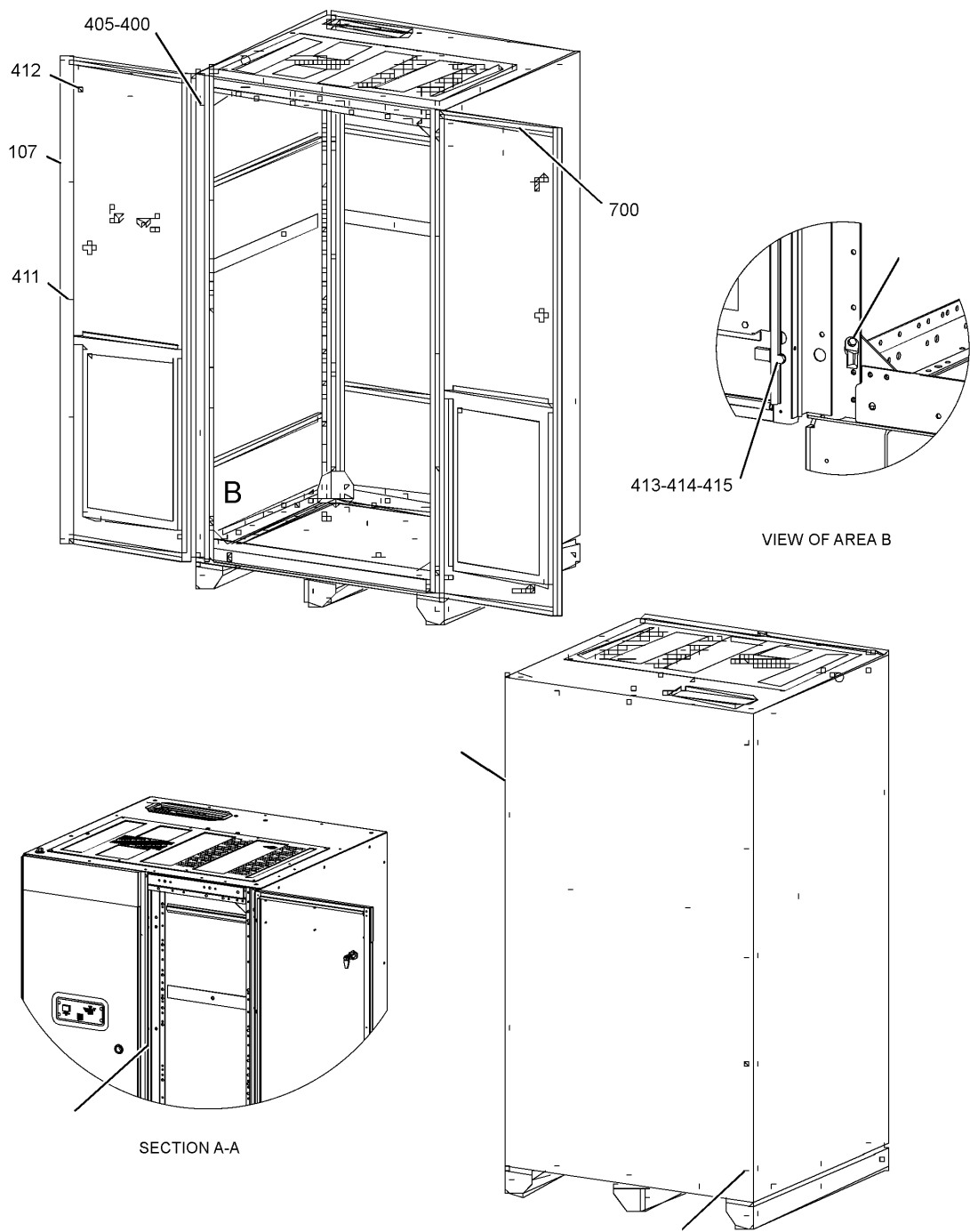
THE ITEMS BELOW ARE NOT SERVICED BY CATERPILLAR AND SHOULD BE PROCURED LOCALLY			
REF NO	QTY	AP PART NO.	DESCRIPTION
400	74	40496	BOLT, FLNG, HX HD, ZNC, GR5,1/4-20x0.750
404	8	4111063	SCREW, HEX HD, INTLK, SEMS 8-32 X 1/2 ZN
405	64	40324	INSERT, THREDED 1 ST GRIP
407	10	40090	RIVET, HUCK, 1/4 DIA, 3/8 MAX GRIP, STL
408	4	40257	BOLT, HEX HD 1/2-13 X 3/4, ZN
409	4	40258	WASHER, SPLIT LK 1/2 ZN
410	4	40179	WASHER, FLAT, ZNC, GR5, 1/2-.531x1.25x.1
411	5	41031	RIVET, POP, 1/8 DIA, 1/8 MAX GRIP, AL
412	12	43009	NUT, PUSH, 6-32, 0.343 OD
413	4	40705	BOLT, SEMS, HEX HD, GR5, ZNC, 1/4-20 X .75
414	2	40819	WASHER, EXTL K, ZNC, GR5, 3/8-.384 X 0.69 X 0.04
415	4	40214	NUT, HEX, KEPS, ZNC, 1/4-20 X .19
700	A/R	40101	GASKET, TRIM SEAL FOR DOORS, 1/16" GAP
701	A/R	40113	RUBBER, CL-CELL, SPNGW/PSA 1SIDE, 3/4 X .062
900	A/R	11390	CHEM, THREADLOCKER, PERM., LOCTITE 290



REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

244-1407 ENCLOSURE GP-POWER SUPPLY (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
100	240-2532	DOOR	1		
101	240-2663	DOOR	1		
102	240-2523	PLATE	1		
103	240-2516	SCREEN	2		
104	240-1631	PLATE	2		
105	240-2514	PANEL	1		

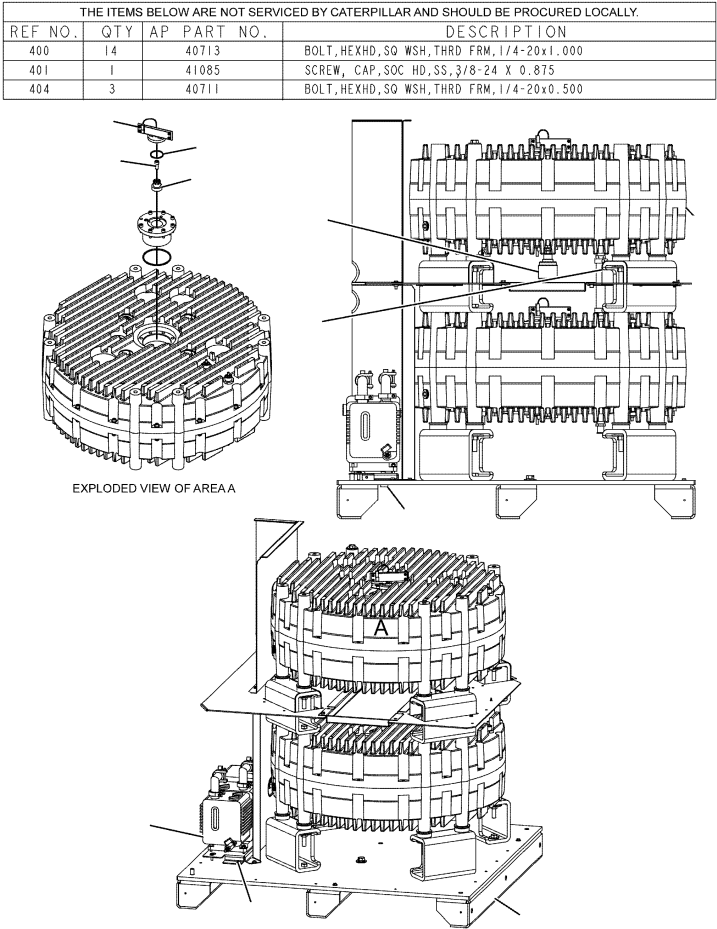
244-1407 ENCLOSURE GP-POWER SUPPLY (continued)

Ref.	Part number	Description	Qty	Code	Group page
106	240-1630	PANEL (ACCESS)	1		
107	241-2928	RETAINER	1		
108	242-3328	PLATE	1		
109	242-3330	PLATE	1		
200	201-2633	SWITCH-KEY (EMERGENCY STOP)	1		
	236-4885	KEY (SWITCH)			
201	240-2683	GUARD	1		
202	201-2631	SWITCH-PUSH BUTTON (EMERGENCY MODULE OFF)	1		
203	236-4885	KEY (SWITCH)	1		
204	256-7182	FASTENER	4		
205	271-2933	COVER	1		
401	240-2511	HANDLE	2		
402	240-2524	RING	2		
406	240-2531	LATCH-DOOR	2		
702	240-2526	FILTER ELEMENT-ENCLOSURE AIR	2		
703	240-2527	GASKET (DOOR LATCH)	2		
PARTS SHOWN ON THE GRAPHIC WITHOUT CATERPILLAR PART NUMBERS CAN BE PROCURED FROM LOCAL PARTS DISTRIBUTORS BY THE DESCRIPTIONS SHOWN					

243-3796 FLYWHEEL GP-POWER SUPPLY

243-3796 FLYWHEEL GP-POWER SUPPLY DUAL PART OF 244-4501 PANEL GP-POWER SUPPLY ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
100	240-2668	CLEAT	3		
200	240-2654	ROTOR-SENSOR (FLYWHEEL SPEED)	1		
402	230-7235	SEAL-O-RING	1		
403	240-2512	FITTING	1		
600	243-3782	SENSOR GP-TEMPERATURE (FLYWHEEL BEARING)	1	Y	
601	243-3783	COUPLING GP-VACUUM	1	Y	
602	231-3504	PUMP & MOTOR GP-VACUUM	1	Y	
603	244-2244	SENSOR GP-OPTICAL (FLYWHEEL)	1		
	230-7235	SEAL-O-RING	1		
604	244-1409	FLYWHEEL GP-POWER SUPPLY	1	Y	

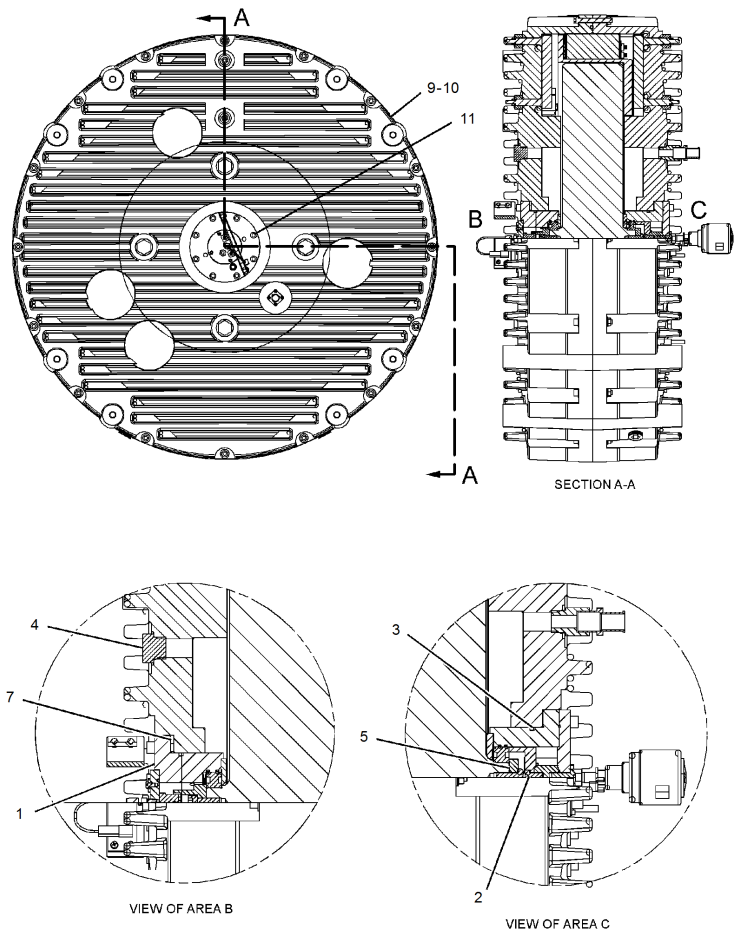
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CAT codes: Y.

244-1409 FLYWHEEL GP-POWER SUPPLY

244-1409 FLYWHEEL GP-POWER SUPPLY 3.0. 460-VOLT PART OF 243-3796 FLYWHEEL GP-POWER SUPPLY ALSO AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	240-2540	KIT-SHIM (INCLUDES 3-SHIMS)(UPPER BEARING)	1		
2	229-0690	KIT-SHIM (INCLUDES 5-SHIMS)(LOAD CELL)	1		
3	227-0942	SEAL-O-RING	1		
4	230-5687	PLUG AS	7		
(EACH INCLUDES)					
	231-0489	SEAL-O-RING	1		
5	230-5837	RETAINER	1		
7	240-2525	KIT-SHIM (INCLUDES 10-SHIMS)(FLYWHEEL)	1		
9	240-1683	SEAL	1		
10	240-1688	SEAL	1		
11	227-0941	SCREW (5/16-18X0.875-IN)	16		
	347-6650	KIT-BEARING	1	F	
(INCLUDES SHIM KIT, SEALS & BEARING ASSEMBLIES)					
(FOR USE AS SERVICE REPAIR WITH SYSTEMS UPGRADED TO 3.5 BEARINGS)					

244-1409 FLYWHEEL GP-POWER SUPPLY (continued)

Ref.	Part number	Description	Qty	Code	Group page
	347-6648	KIT-BEARING	1	F	
(INCLUDES SEALS, SHIM KIT, CABLE ASSEMBLIES, BEARING ASSEMBLIES & HARNESS ASSEMBLY)					
(FOR USE AS SERVICE REPAIR SYSTEMS UPGRADE 3.0 BEARINGS TO 3.5 BEARINGS)					
12	378-8315	KIT-SEAL	1		
	435-9951	SEAL	3		
13	378-8316	HARNESS AS-POWER	1		

CAT codes: F, R.

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