



Parts Manual

Performance you rely on.™



50 Hz Commercial Portable Generator Set

EGMBP / PX12000e

**For Parts Ordering and Technical Support
Please Contact**

**Cummins
50 – 52 Diagonal Road
Pooraka
South Australia 5082**

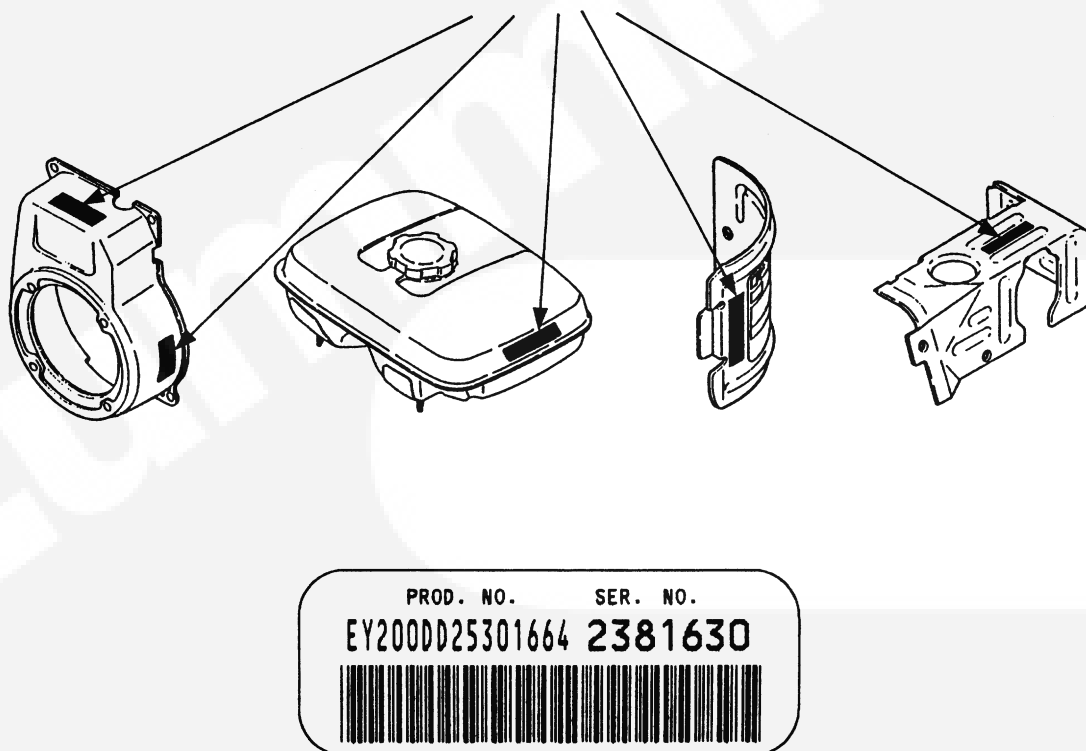
**Parts phone: 08 8368 4358
Service phone: 08 8368 4308**

HOW TO USE THIS MANUAL

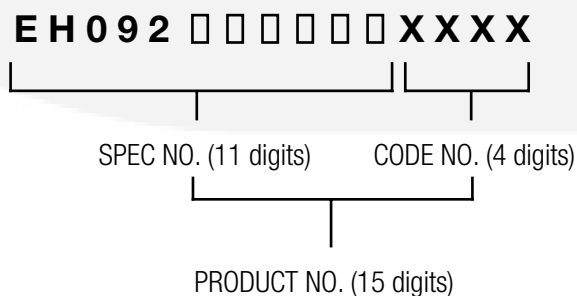
Robin engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant difference.

In order to identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are known as the PRODUCT NUMBER.

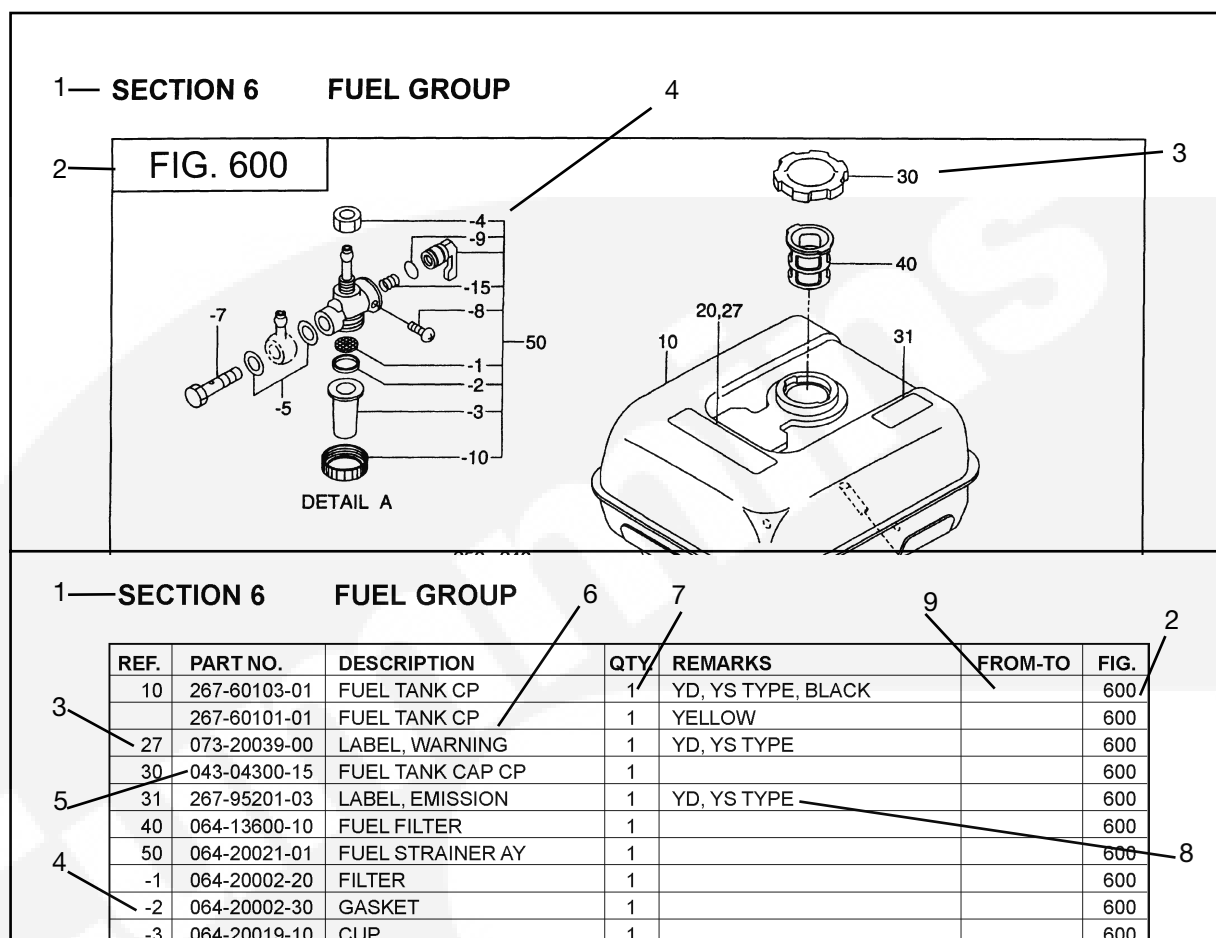
All Robin 4 cycle engines have a Product Number label similar to the label illustrated below.



The Product Number Label has a 15 digit alphanumeric string that consists of the SPECIFICATION (SPEC) number (11 digits) and the CODE number (4 digits). Please note the illustration below:



MANUAL LAYOUT



1. SECTION NAME Parts are broadly classified according to their functions. Refer to the Group Index (table of contents) for respective section name.
2. FIG. No. The FIG. number indexes the reference and part numbers to the illustration. Figure numbers that vary only in the tens place (i.e.: 700 and 710) are in a group of the same section (i.e.: Electrical Device Group).
3. REF. No . The Reference number identifies the part illustration with the corresponding part number in the part list.
4. SUBASSEMBLY SUBASSEMBLY parts of part assembly are listed below the assembly part. The subassembly part reference number is indicated by the number led by "-" such as "-1", "-2".
5. PART NUMBER It is the number assigned for sales unit. Use the PART No. when making an order.
6. DESCRIPTION It is designation of the part.
7. QTY. Quantity of each part used for each product.
8. REMARKS This gives a distinctive feature and/or a supplementary comment for the type, the specification, and the part concerned. It also shows part number(s) interchangeable for the part.
9. FROM-TO This section shows the CODE No. to indicate the history of progress in which improved parts have been introduced in the product. The FROM-TO CODE No. helps to identify PART No. being employed in the product concerned. See the examples below:
 - The part is used in the product irrespective of CODE No.
 - 2101- The part is used in the products with CODE No. of 2101 and after this number.
 - 2100 The part is used in the products with CODE No. of 2100 and before this number.

FOREWORD

This parts catalogue is compiled all service parts for Cummins model PX12000e.

When modifications or additions to this parts catalogue are made, a revised edition will be issued at an appropriate time.

We recommend obtaining such revisions in order to keep your parts catalogue up-to-date at all times. To check whether a parts catalogue revision has been issued, please contact your Cummins distributor.

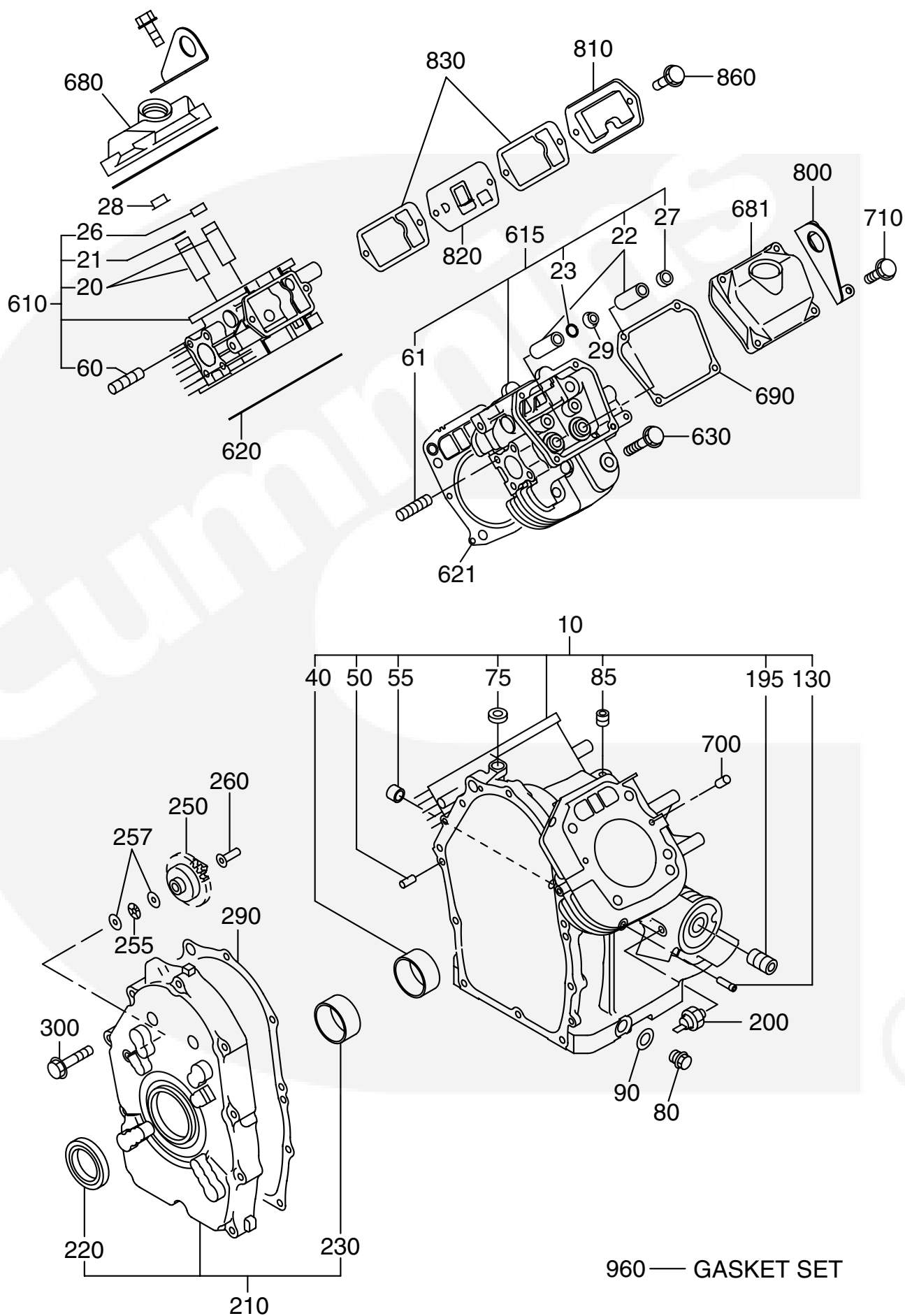
INDEX OF DESCRIPTION SYMBOLS		
SYMBOL	DESCRIPTION	
AY	ASSEMBLY	HEX. HEXAGONAL
CP	COMPLETE	P= PITCH (in mm)
EX	EXPORT (from Japan)	P.T.O. (PTO) POWER TAKE OFF
FIG.	FIGURE	REF. REFERENCE
FR.	FRONT	R RIGHT HAND SIDE
"	INCH	RR REAR
INCL.	INCLUDE	STD STANDARD
~L	LITRE	SW SWITCH
L=	LENGTH (in. mm)	T= THICKNESS (in mm)
L	LEFT-HAND SIDE	UN UNIT
MECH	MECHANICAL	U.S. UNDER SIZE
NO (NON)	NONE	~V VOLTAGE
OPT.	OPTIONAL	~W WATT
O.S.	OVER SIZE	W/ WITH
N.	INLET	W/O WITHOUT
EX.	EXHAUST	A.C. ALT CURRENT
		D.C. DIRECT CURRENT

GROUP INDEX

Group Name	Page
CRANKCASE.....	6
CRANK, PISTON	10
INTAKE EXHAUST	12
GOVERNOR	16
COOLING, STARTING	18
FUEL LUBRICANT.....	20
ELECTRIC DEVICE.....	24
GENERATOR	28
PIPE FRAME.....	30
CONTROL BOX.....	32
FUEL TANK.....	34
ACCESSORIES	36
WHEEL	38



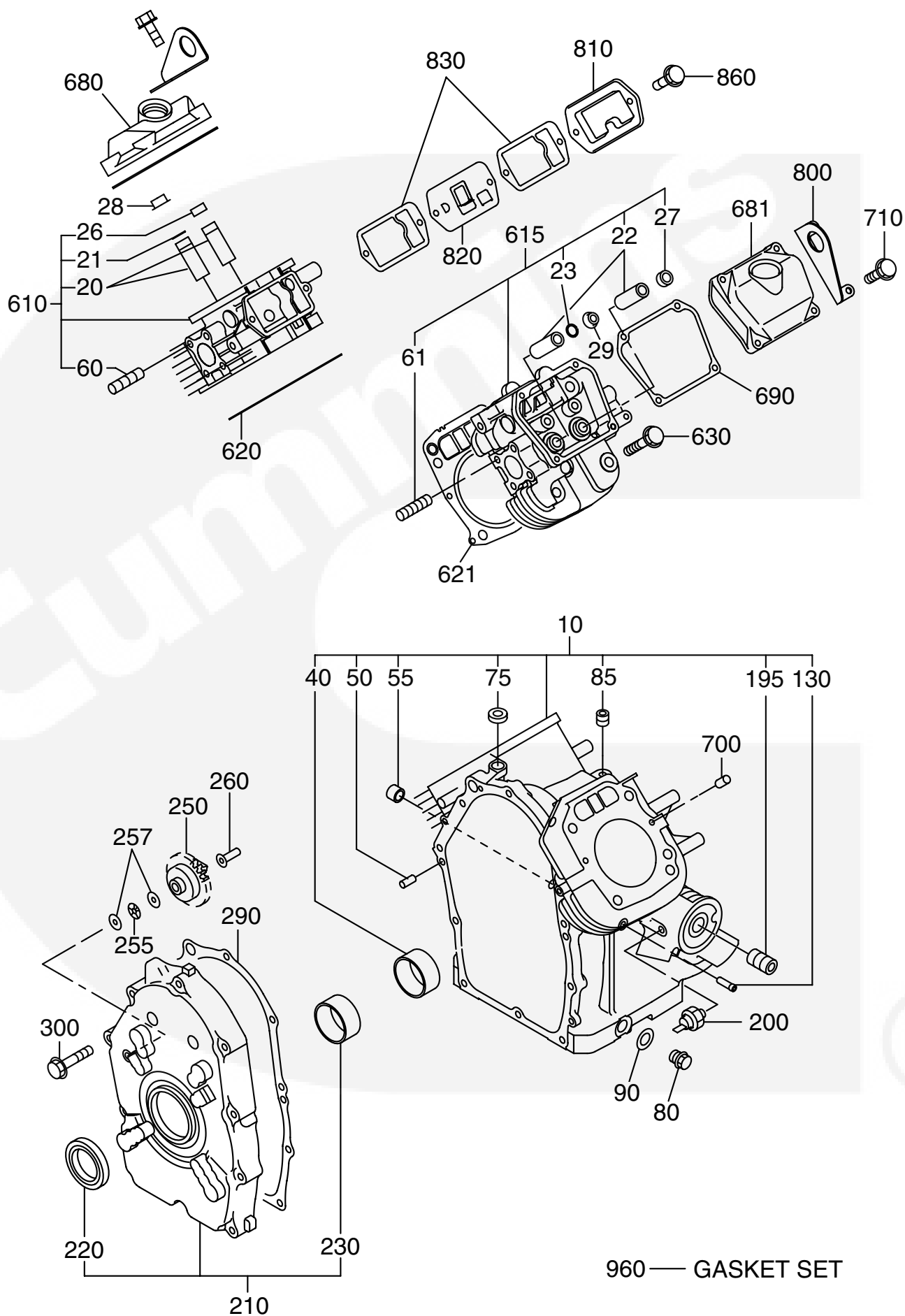
FIG. 100



1 CRANK CASE

REF.	PART NUMBER	PART NAME	QTY	R E M A R K S	CODE NO.	INTERCHANGE P/NO.	UNIT P	FIG.
10	263-10111-11	CRANK CASE CP	1		-			100
20	263-14211-03	VALVE GUIDE	2	6DX11DX32. 5L	-			100
21	056-51000-50	CLIP	1	10. 7DX0. 9D	-			100
22	263-14211-03	VALVE GUIDE	2	6DX11DX32. 5L	-			100
23	056-51000-50	CLIP	1	10. 7DX0. 9D	-			100
26	132-07AA0-50	SEAL-INT VALVE	1		-			100
27	132-07AA0-50	SEAL-INT VALVE	1		-			100
28	263-35341-03	RETAINER PLATE	1	11DX17. 3DX27DX4. 7H	-			100
29	263-35341-03	RETAINER PLATE	1	11DX17. 3DX27DX4. 7H	-			100
40	263-15802-03	MAIN BEARING	1	45DX50DX23B W/STOPER	-			100
50	031-00801-00	DOWEL PIN	2	8DX20L	-			100
55	263-55601-03	PIPE	2	11DX8. 8DX8L	-			100
60	010-50802-90	STUD	4	M8X1. 25X30L	-			100
61	010-50802-90	STUD	4	M8X1. 25X30L	-			100
75	044-00800-10	OIL SEAL	1	8DX14DX4B	-			100
80	040-11400-30	PLUG	2	M14X1. 5X20DX12L	-			100
85	235-15421-03	BLIND PLUG	1	PT1/8X8L	-			100
90	021-11400-20	GASKET	2	14. 1DX19DX2. 3T	-			100
130	159-65401-03	PIPE (PULSE)	1	4DX6DX25L	-			100
195	263-15901-03	UNION	1	3/4X16UNFX30L	-			100
200	263-76102-H1	SWITCH OIL PRESSURE	1		-			100
210	263-11101-41	MAINBEARING COVER CP	1		-			100
220	044-04200-30	OIL SEAL	1	42DX60DX9B	-			100
230	263-15802-03	MAIN BEARING	1	45DX50DX23B W/STOPER	-			100
250	263-45003-01	GOVERNOR GEAR CP	1	52DX26T N=25	-			100
255	263-46215-A3	THRUST BEARING	1	6. 4DX17. 5DX2T	-			100
257	263-46214-A3	WASHER	2	6DX19DX1T	-			100
260	277-41901-03	GOVERNOR SLEEVE	1	6DX7. 6DX16DX26L	-			100
290	263-16002-A3	GASKET (M. B COVER)	1	T=0. 5	-			100
300	011-00802-20	FLANGE BOLT	10	M8X1. 25X17DX45L	-			100
610	263-13211-01	CYLINDER HEAD 1 CP	1		-			100
615	263-13311-01	CYLINDER HEAD 2 CP	1		-			100
620	263-15021-21	GASKET 1 (CYL HEAD)	1	T=0. 4	-			100
621	263-15121-11	GASKET 2 (CYL HEAD)	1	T=0. 4	-			100
630	011-01000-70	FLANGE BOLT	8	M10X1. 25X19DX65L	-			100
680	280-15501-A3	ROCKER COVER	1		-			100
681	263-15501-A3	ROCKER COVER	1		-			100
690	263-16101-A3	GASKET (ROCKER COVER)	2	T=0. 4	-			100
700	031-00600-20	DOWEL PIN	4	6DX14. 5L	-			100
710	011-00601-01	FLANGE BOLT	8	M6X1. 0X13DX28L	-			100

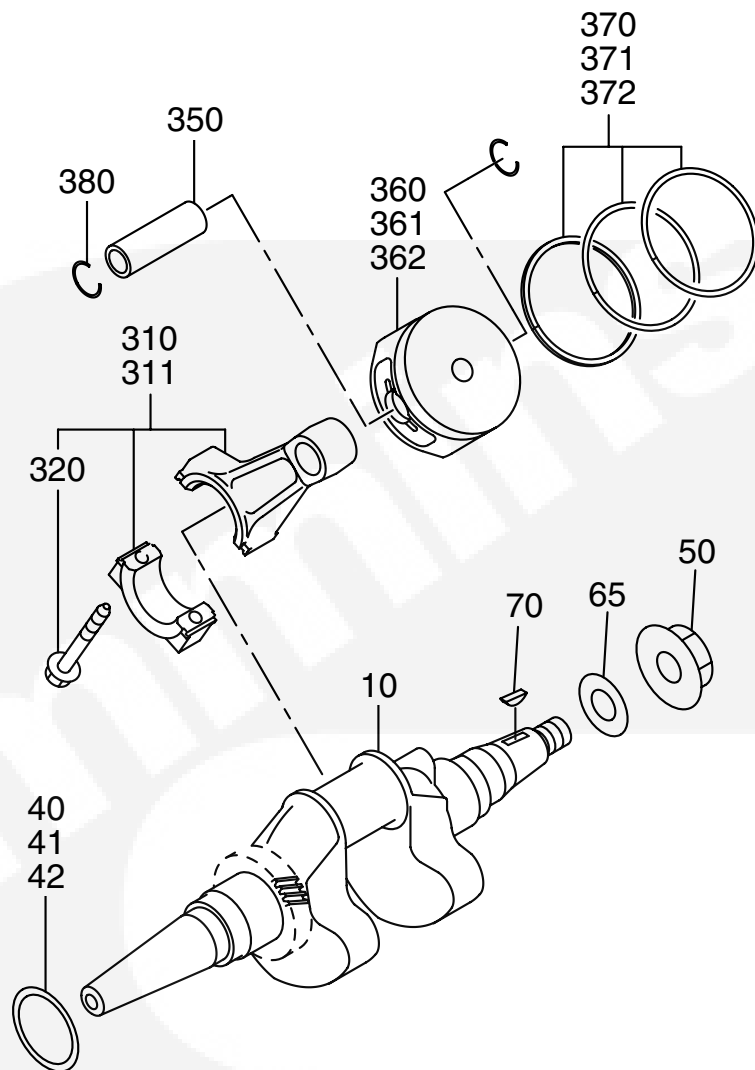
FIG. 100



1 CRANK CASE

[illegible]

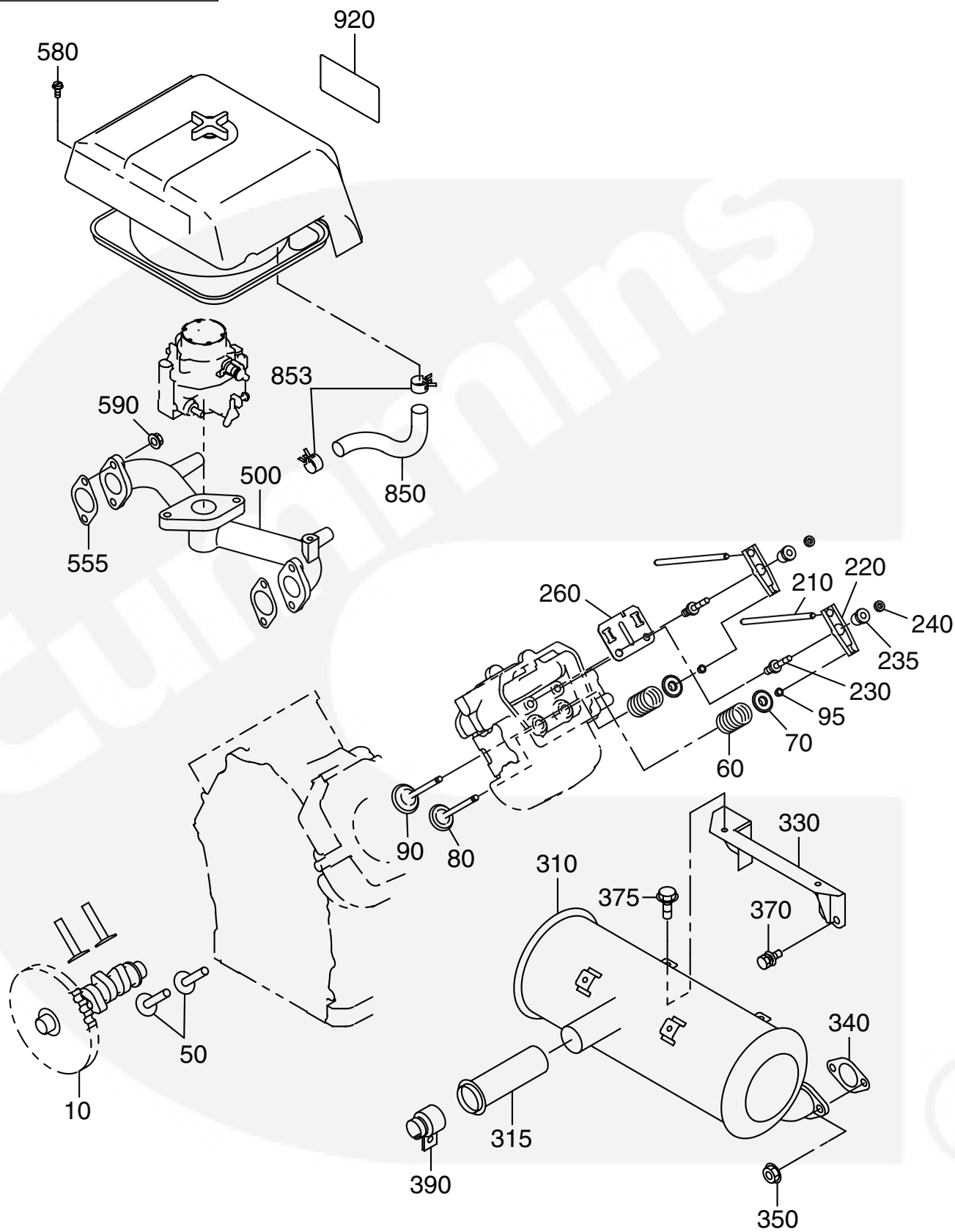
FIG. 200



2 CRANK, PISTON

[illegible]

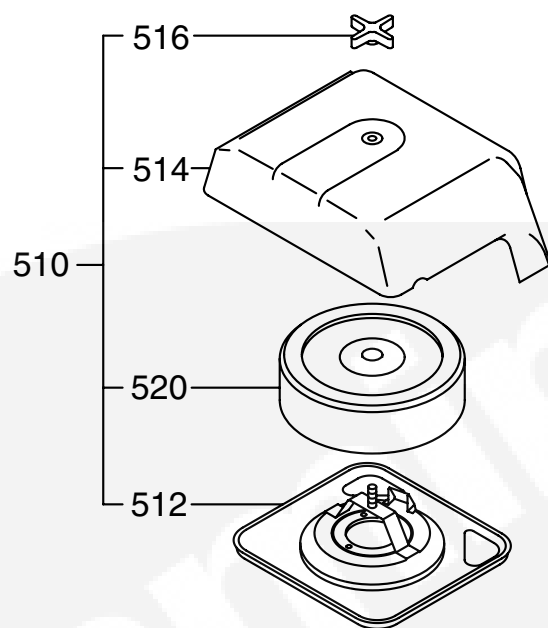
FIG. 300



3 INTAKE, EXHAUST

[illegible]

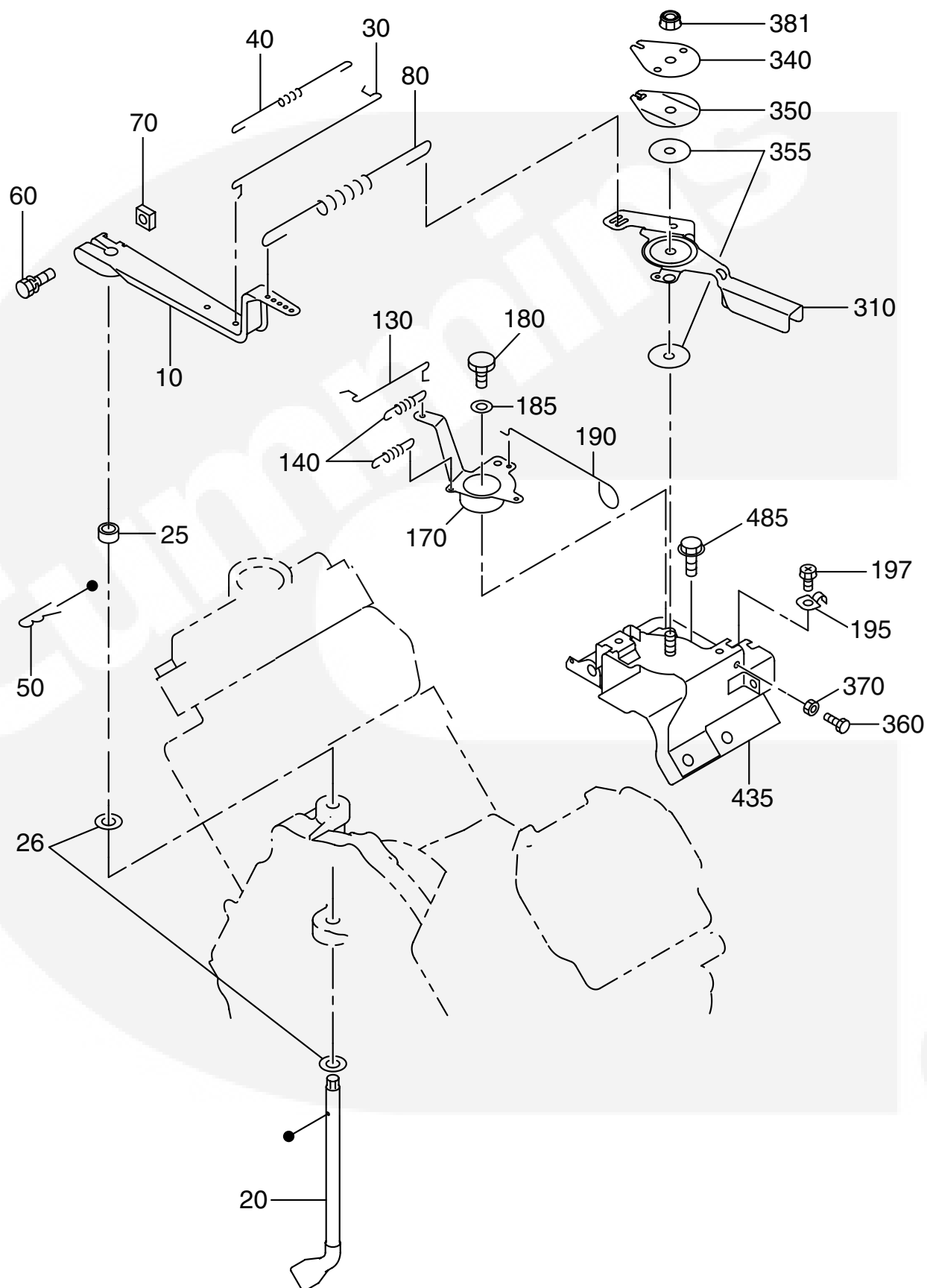
FIG. 315



3 INTAKE, EXHAUST

[illegible]

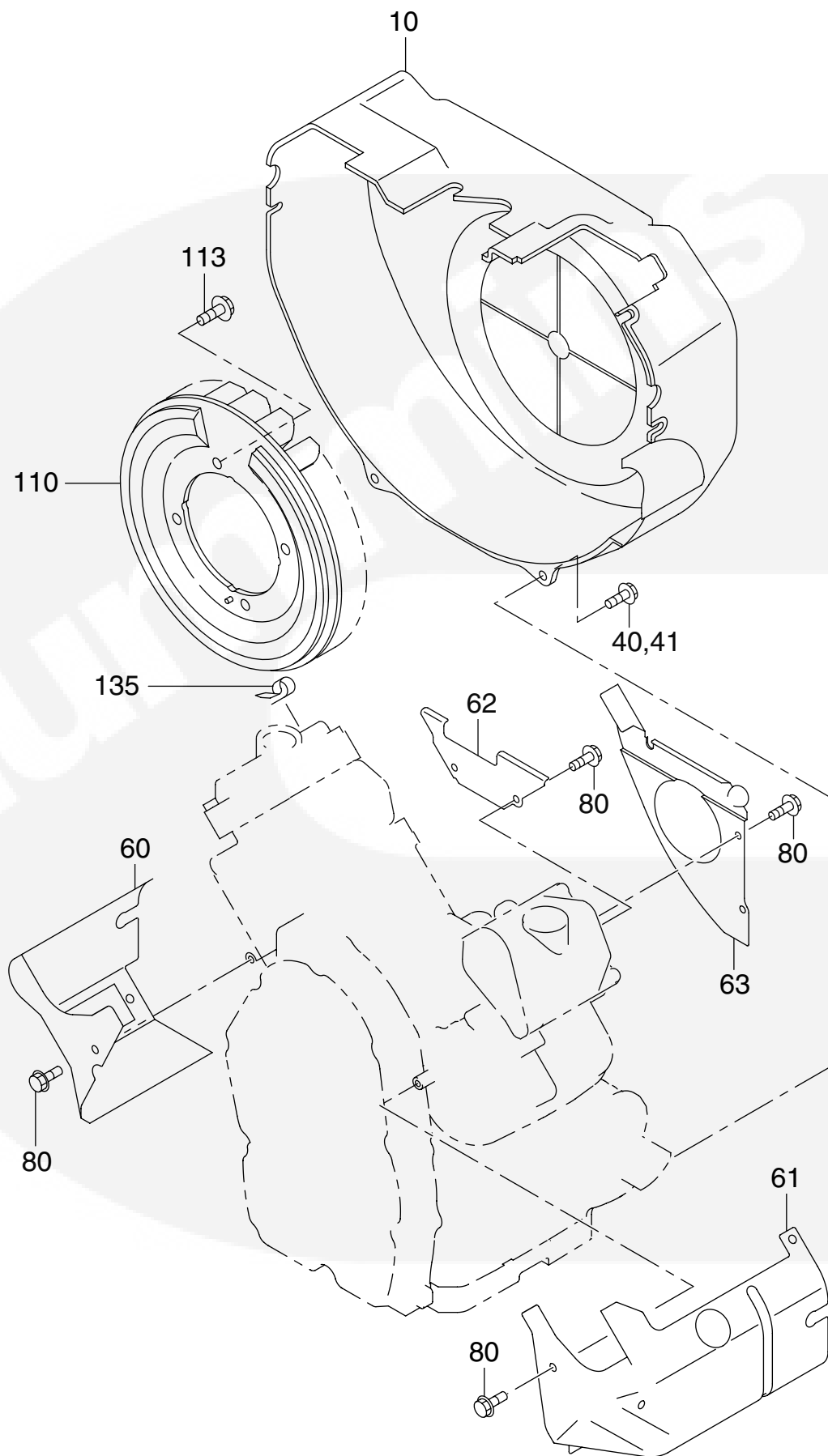
FIG. 400



4 GOVERNOR

[illegible]

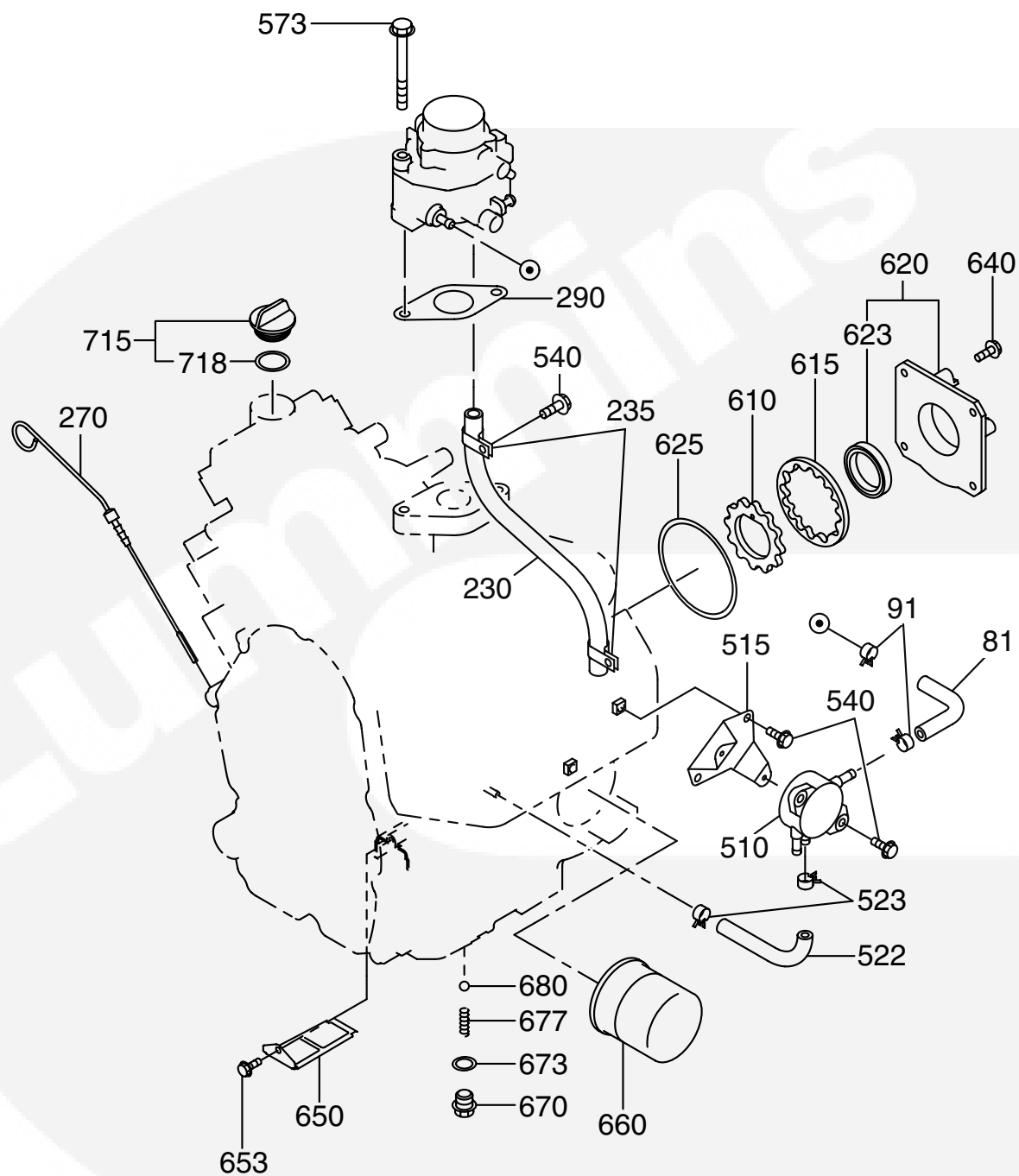
FIG. 500



5 COOLING, STARTING

[illegible]

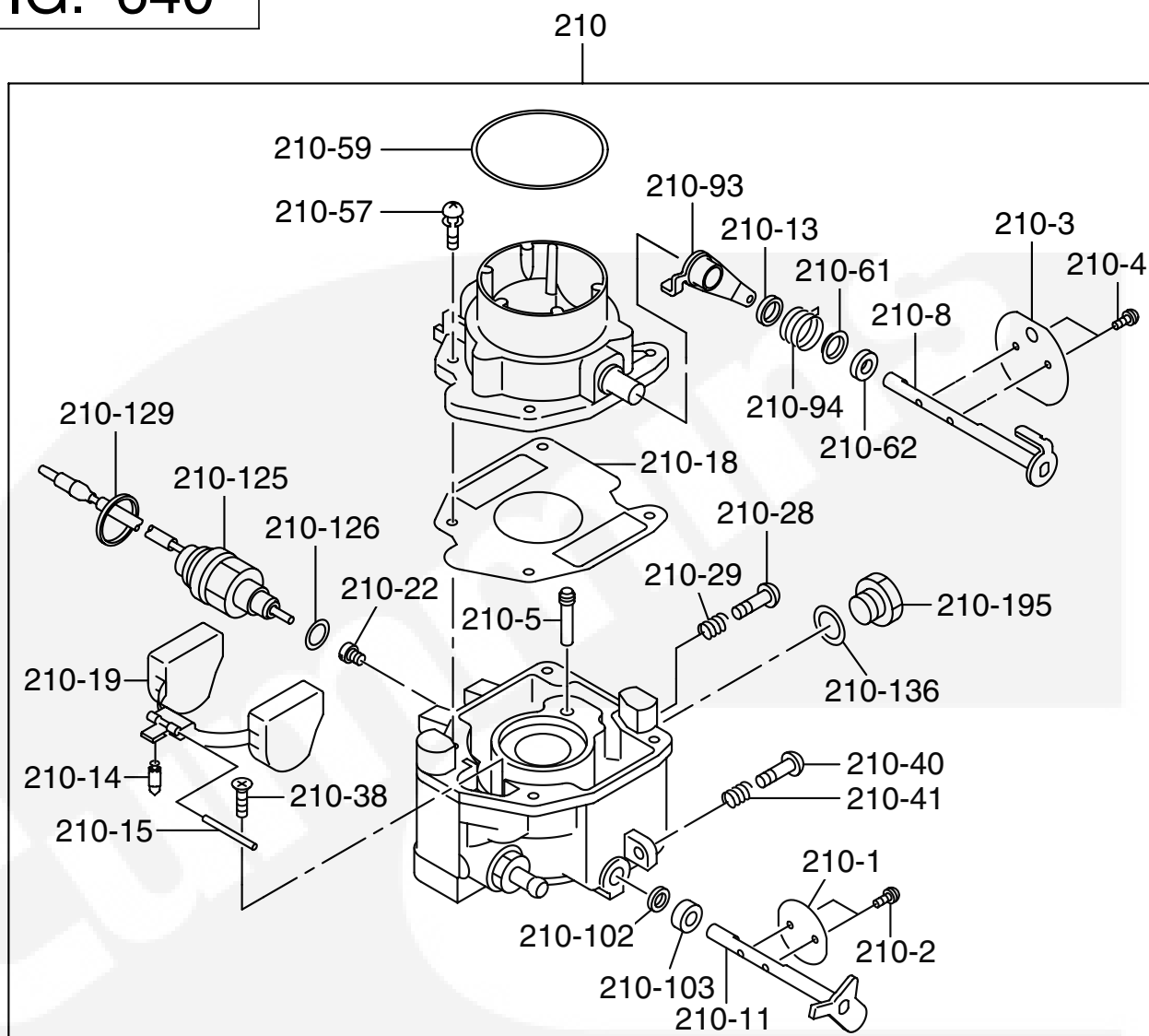
FIG. 600



6 FUEL LUBRICANT

[illegible]

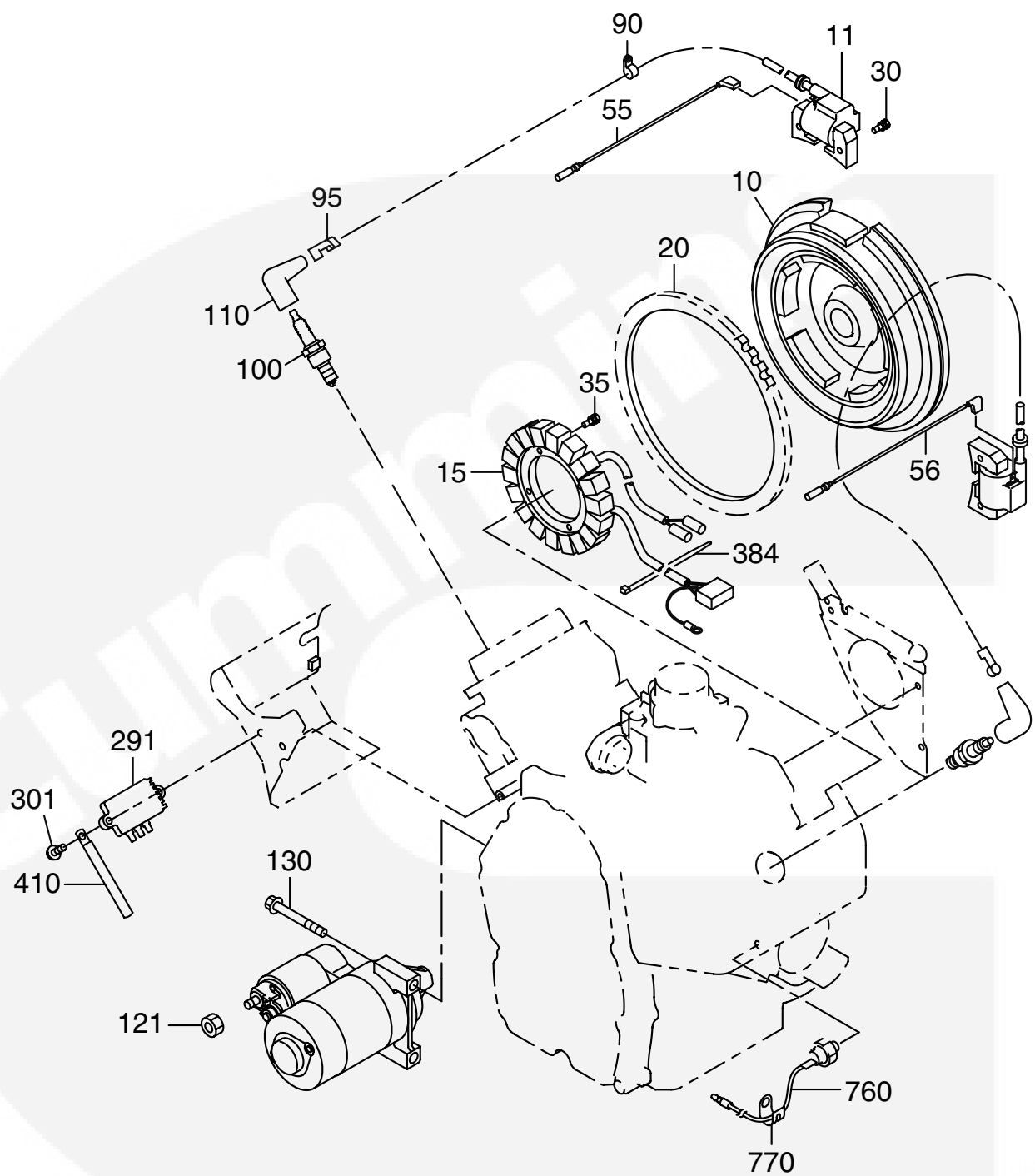
FIG. 640



6 FUEL LUBRICANT

REF.	PART NUMBER	PART NAME	QTY	R E M A R K S	CODE NO.	INTERCHANGE P/NO.	UNIT P	FIG.
210	263-62381-00	CARBURETOR AY	1		-			640
- 1	263-62535-08	VALVE, THROTTLE	1		-			640
- 2	261-62352-08	SCREW, VALVE SET	2		-			640
- 3	263-62528-08	VALVE, CHOKE	1		-			640
- 4	258-62555-08	SCREW SET (VALVE)	2		-			640
- 5	258-62420-08	JET (SLOW)	1		-			640
- 8	263-62520-08	SHAFT ASSY, CHOKE	1		-			640
- 11	263-62530-08	SHAFT ASSY, THROTTLE	1		-			640
- 13	258-62551-08	RING (CHOKE LEVER)	1		-			640
- 14	226-62501-08	VALVE, FLOAT	1		-			640
- 15	258-62515-08	FLOAT PIN	1		-			640
- 18	280-62545-08	GASKET, AIR HORN	1		-			640
- 19	280-62505-08	FLOAT	1		-			640
- 22	263-62400-08	JET, MAIN	1		-			640
- 28	215-62353-08	SCREW, DRAIN	1		-			640
- 29	215-62446-08	SPRING, DRAIN	1		-			640
- 38	258-62556-08	SCREW SET (FLOAT PIN)	1		-			640
- 40	263-62451-08	SCREW, THRO. ADJUST	1		-			640
- 41	258-62445-08	SPRING (ADJUST SCREW)	1		-			640
- 57	258-62450-08	SCREW SET (AIR HORN)	4		-			640
- 59	263-62560-08	O-RING, AIR HORN	1		-			640
- 61	280-62551-08	COLLAR, CHOKE	1		-			640
- 62	258-62554-08	FILTER (CHOKE SHAFT)	1		-			640
- 93	263-62524-08	LEVER ASSY, CHOKE	1		-			640
- 94	263-62445-08	SPRING, CHOKE	1		-			640
-102	226-62580-08	FILTER, AIR	1		-			640
-103	258-62570-08	COLLAR (THRO. SHAFT)	1		-			640
-125	263-62556-08	VALVE CP, (SOLENOID)	1		-			640
-126	258-62546-08	GASKET, MAIN PASSAGE	1		-			640
-129	258-62566-08	CLAMP (SOLENOID) WIRE	1		-			640
-136	263-62555-08	GASKET	1		-			640
-195	263-62552-08	PLUG	1		-			640

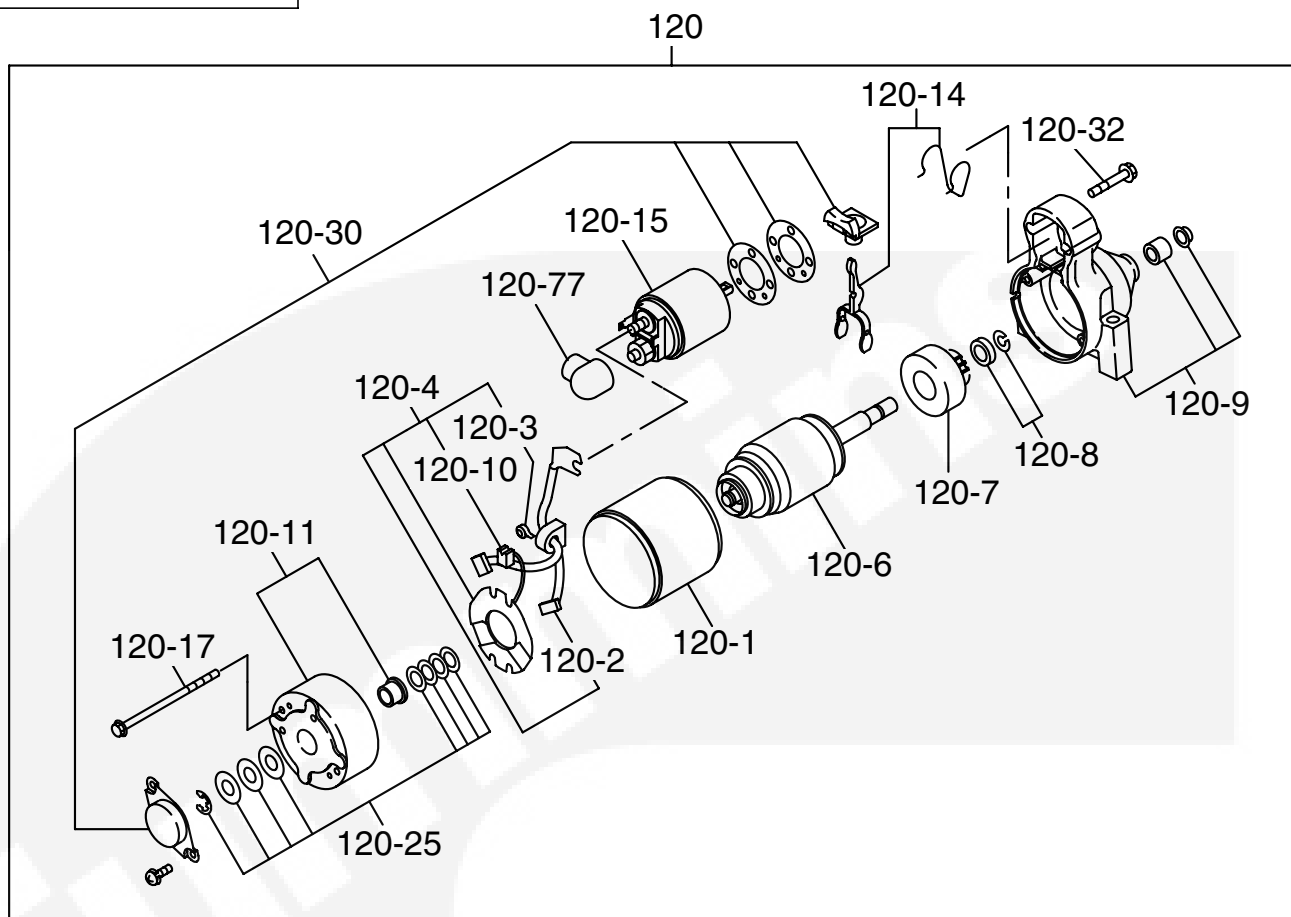
FIG. 700



7 ELECTRIC DEVICE

[illegible]

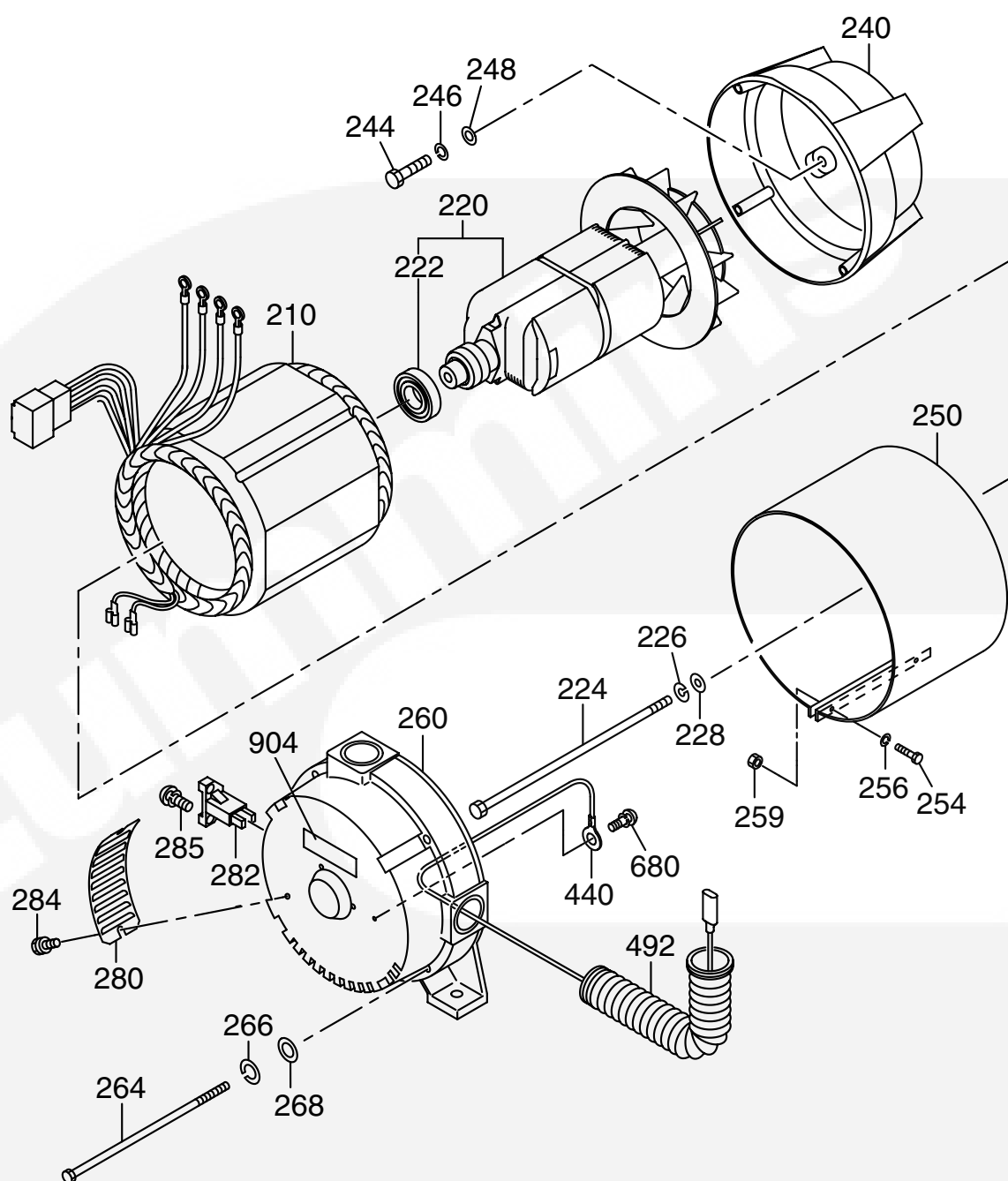
FIG. 730



7 ELECTRIC DEVICE

[illegible]

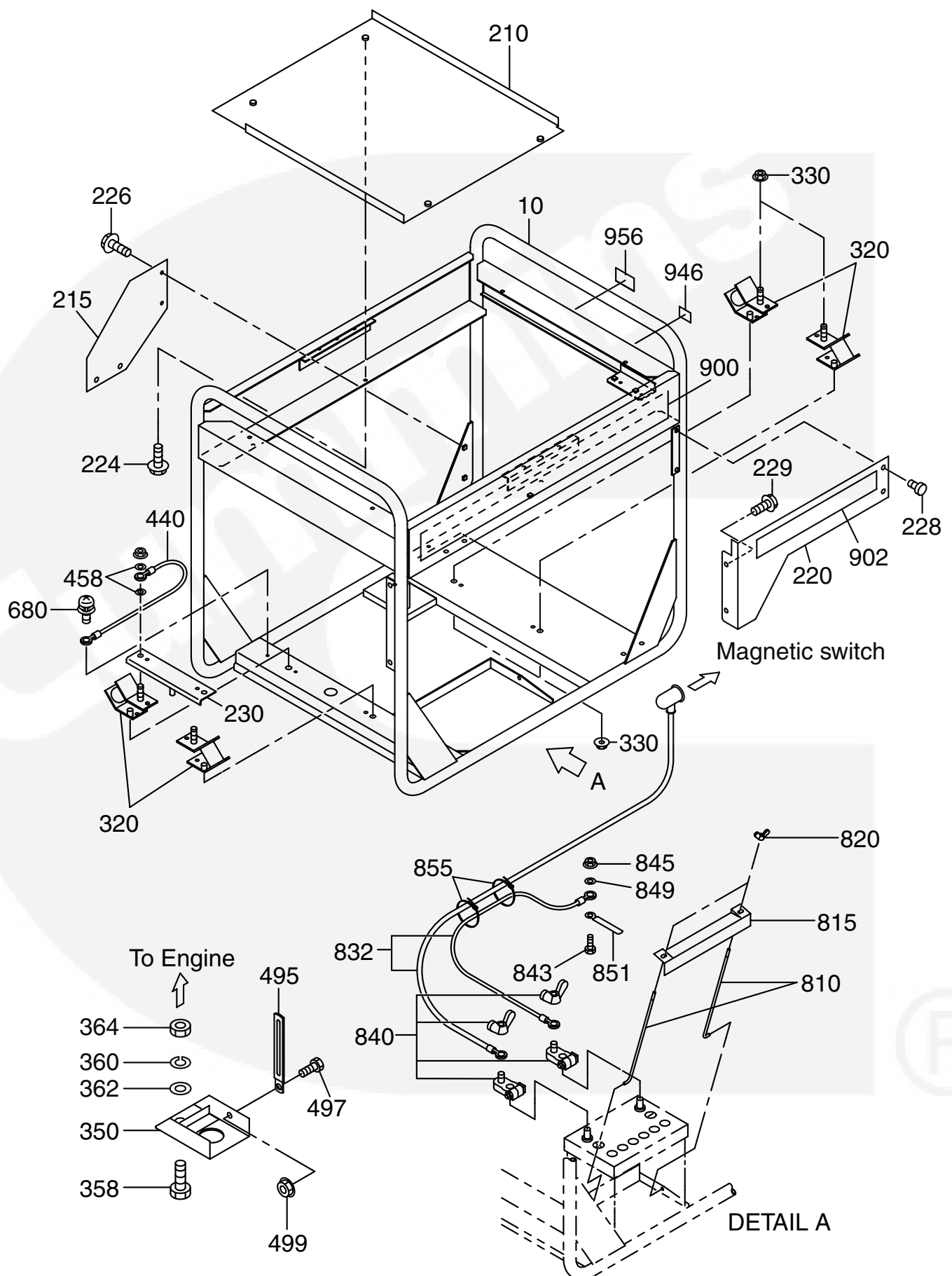
FIG. 2200



22 GENERATOR

[illegible]

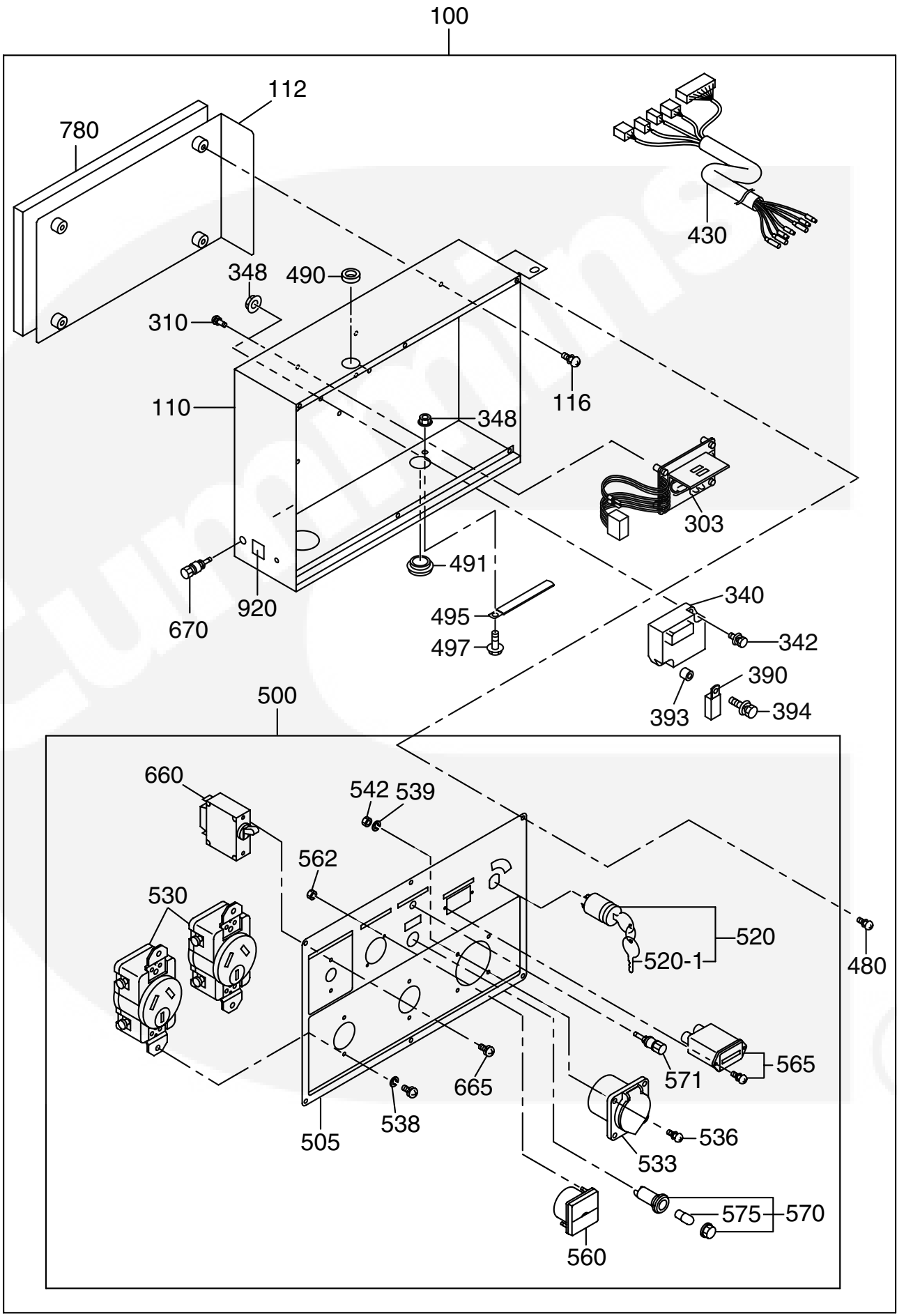
FIG. 2300



23 PIPE FRAME

REF.	PART NUMBER	PART NAME	QTY	R E M A R K S	CODE NO.	INTERCHANGE P/NO.	UNIT P	FIG.
10	31G-61005-01	PIPE FRAME CP	1		-			2300
210	31F-61024-01	BAFFLE PLATE	1		-			2300
215	31G-61024-01	COVER PLATE	1		-			2300
220	31G-61027-01	FRONT PLATE	1		-			2300
224	011-00600-20	FLANGE BOLT	4	M6X1. 0X14DX12L	-			2300
226	31G-62002-01	FLANGE BOLT	4		-			2300
228	31F-76001-01	SCREW & WASHER AY	2		-			2300
229	011-00600-20	FLANGE BOLT	2	M6X1. 0X14DX12L	-			2300
230	31F-61002-01	GENERATOR BASE	1		-			2300
320	31F-35002-01	MOUNT CP	4		-			2300
330	002-38100-00	FLANGE NUT	8	M10X1. 25X19DX9H	-			2300
350	31F-61022-01	STOPPER PLATE	1		-			2300
358	001-66104-00	BOLT	1		-			2300
360	003-20100-00	SPRING WASHER	1	10. 2DX18. 4DX2. 5T	-			2300
362	003-10100-00	WASHER	1	10. 5DX18DX1. 6T	-			2300
364	002-17100-00	NUT	1		-			2300
440	31F-62016-01	EARTH CORD	1		-			2300
458	003-10100-00	WASHER	2	10. 5DX18DX1. 6T	-			2300
495	056-60002-50	CLAMP	1	6. 5DX10BX95LX0. 6T	-			2300
497	011-00600-20	FLANGE BOLT	1	M6X1. 0X14DX12L	-			2300
499	002-38060-00	FLANGE NUT	1	M6X1. 0X13DX6H	-			2300
680	392-49987-08	SCREW	1		-			2300
810	978-21611-20	ROD (BATTERY)	2		-			2300
815	31F-33001-01	BATTERY STAY CP	1		-			2300
820	002-41060-00	WING NUT	2		-			2300
832	31F-74016-11	WIRE CABLE SET	1		-			2300
840	31F-32001-03	BATTERY TERMINAL	1		-			2300
843	001-66084-00	BOLT	1		-	001-13084-00		2300
845	002-38080-00	FLANGE NUT	1	M8X1. 25X17DX7. 5H	-			2300
849	003-10080-00	WASHER	1	8. 5DX16DX1. 2T	-			2300
851	056-60001-70	CLAMP	1	8. 5DX10BX95LX0. 7T	-			2300
855	056-30000-60	WIRE BAND	5	4. 7BX1. 3TX120L	-			2300
900	31G-81060-03	LABEL	1		-			2300
902	31G-81063-03	LABEL (PX12000)	1		-			2300
946	073-20050-80	LABEL (F. STRAINER)	1	25X35	-			2300
956	31F-94101-03	LABEL (CHOKE)	1	30X52 ILLUST	-			2300

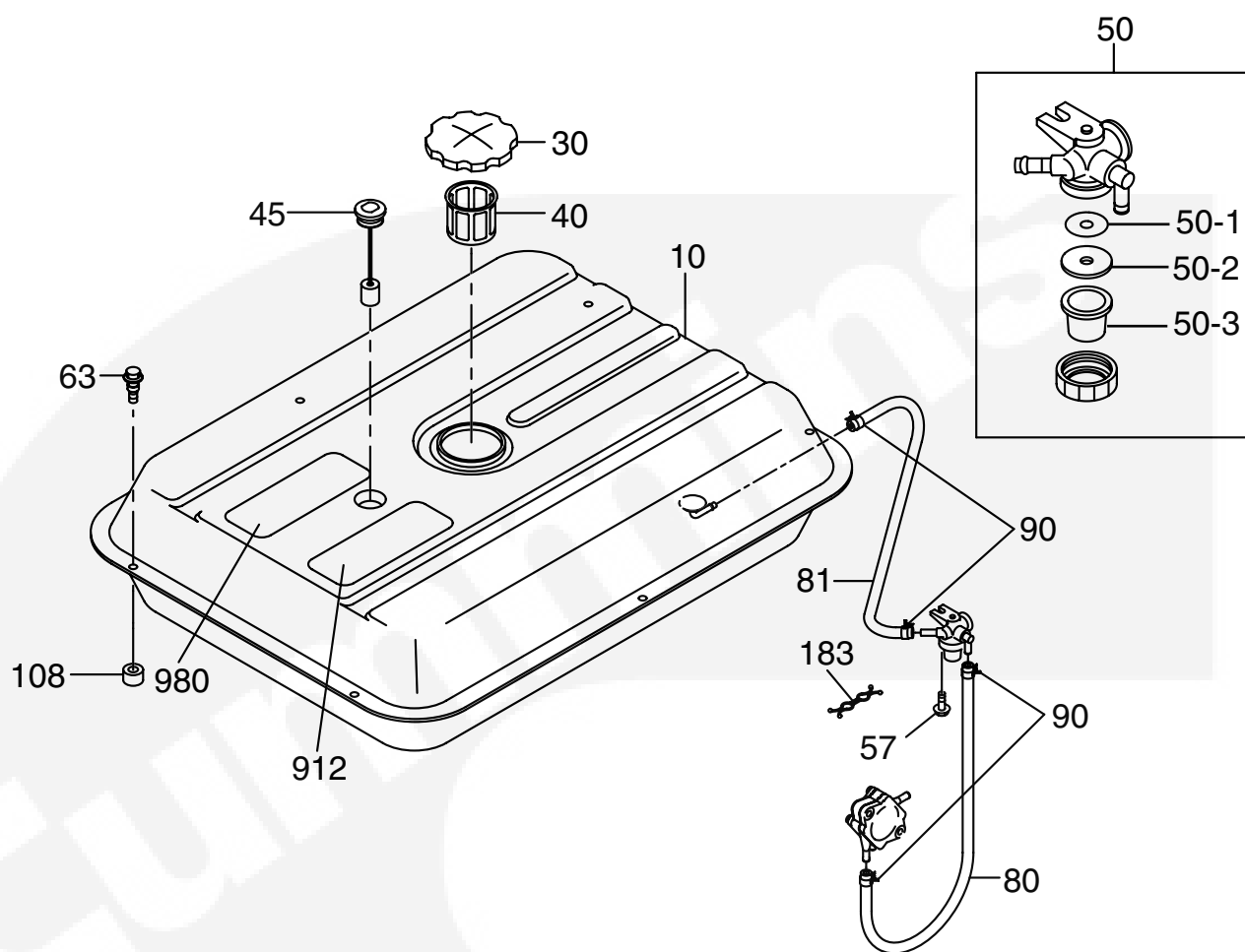
FIG. 2400



24 CONTROL BOX

REF.	PART NUMBER	PART NAME	QTY	R E M A R K S	CODE NO.	INTERCHANGE P/NO.	UNIT P	FIG.
100	31G-71030-00	CONTROL BOX AY	1		-			2400
110	31F-73057-01	CONTROL BOX UN	1		-			2400
112	31G-73010-01	PLATE	1		-			2400
116	359-59929-08	SCREW & WASHER AY	4		-			2400
303	31G-74022-01	AVR AY	1		-			2400
310	392-49986-08	SCREW	4	M4X6L	-			2400
340	KU3-11062-21	ECU (O/S & R/C) CP	1		-			2400
342	004-36062-00	SCREW AND WASHER AY	1	M6X1. 0X20L W/W, SW	-			2400
348	002-38060-00	FLANGE NUT	3	M6X1. 0X13DX6H	-			2400
390	391-48301-01	RELAY (CA) AY	1		-			2400
393	023-00603-30	SPACER	1	6. 5DX12DX12T	-			2400
394	31G-75021-03	SCREW	1		-			2400
430	31G-76030-03	WIRE CP	1		-			2400
480	351-49920-08	SCREW & WASHER AY	6		-			2400
490	024-11500-10	GROMMET	1	15DX20DX9. 5H	-			2400
491	31H-75009-03	GROMMET	1		-			2400
495	056-60002-50	CLAMP	1	6. 5DX10BX95LX0. 6T	-			2400
497	011-00600-20	FLANGE BOLT	1	M6X1. 0X14DX12L	-			2400
500	31G-72028-00	CONTROL PANEL AY	1		-			2400
505	31G-73038-01	CONTROL PANEL	1		-			2400
520	066-00003-30	SWITCH	1		-			2400
- 1	066-00099-80	KEY, SWITCH	2	MARK 103	-			2400
530	353-45719-08	AC RECEPTACLE	2	AC250V 15A	-			2400
533	353-45733-08	AC RECEPTACLE	1		-			2400
536	004-36052-00	SCREW AND WASHER AY	4	M5X0. 8X20L W/W, SW	-			2400
538	392-49981-08	WASHER	4		-			2400
539	003-10050-00	WASHER	4	5. 5DX10DX0. 8T	-			2400
542	002-17050-00	NUT	4	M5X0. 8X4H	-			2400
560	391-47900-11	VOLT METER	1	200V CLASS	-			2400
562	388-49801-08	NUT	2		-			2400
565	393-40650-08	HOUR METER	1	50HZ	-			2400
570	393-43101-01	PILOT LAMP CP	1	RED	-			2400
571	320-75118-08	NEON LAMP	1		-			2400
575	393-45006-01	LAMP	1	18V/0. 11A	-			2400
660	35C-72003-03	BREAKER	1	35A	-			2400
665	31B-79011-03	SCREW & WASHER AY	2		-			2400
670	353-45716-08	TERMINAL BOLT	1	BLACK	-			2400
780	31G-74025-01	SPONGE	1		-			2400
920	30G-49106-08	LABEL (EARTH)	1		-			2400

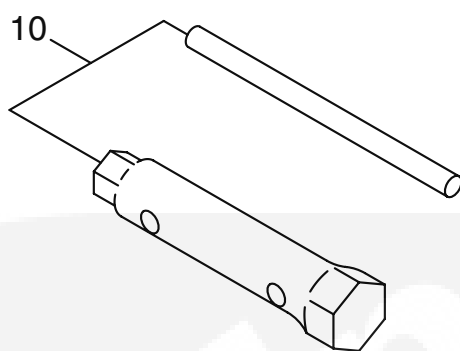
FIG. 2600



26 FUEL TANK

[illegible]

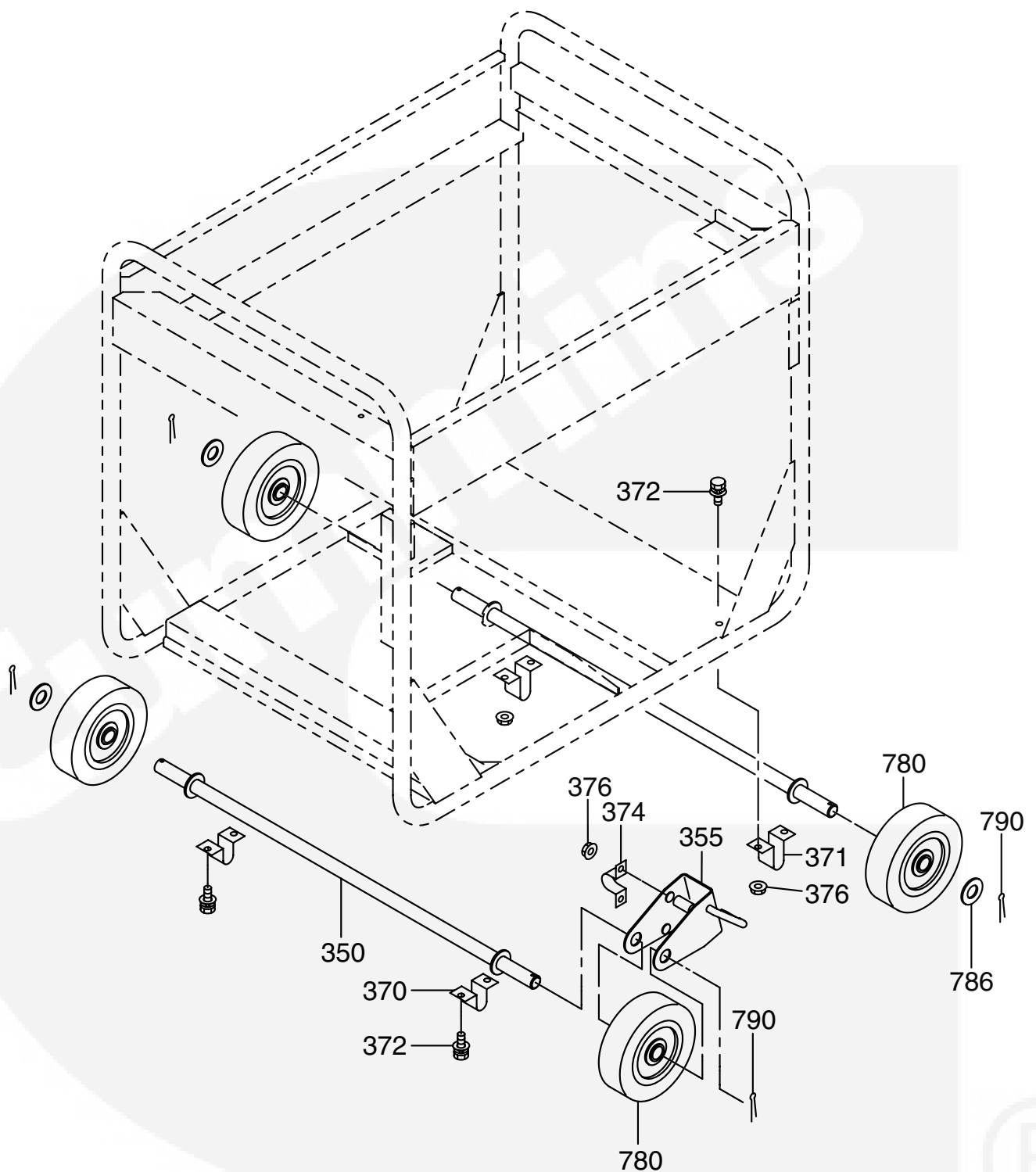
FIG. 2900



29 ACCESSORIES

[illegible]

FIG. 3000



30 WHEEL

[illegible]

NOTES



Cummins **Onan**

Cummins Power Generation

1400 73rd Ave. NE
Minneapolis, MN 55432 USA

Phone 1 763 574 5000

Toll-free 1 800 888 6626

Fax 1 763 574 5298

Email www.cumminsonan.com/contact

www.cumminsonan.com

Cummins®, Onan®, the "C" logo, and "Performance you rely on." are trademarks of Cummins Inc.

©2008 Cummins Power Generation, Inc. All rights reserved.

