

GENERAC[®]

POWER SYSTEMS, INC.



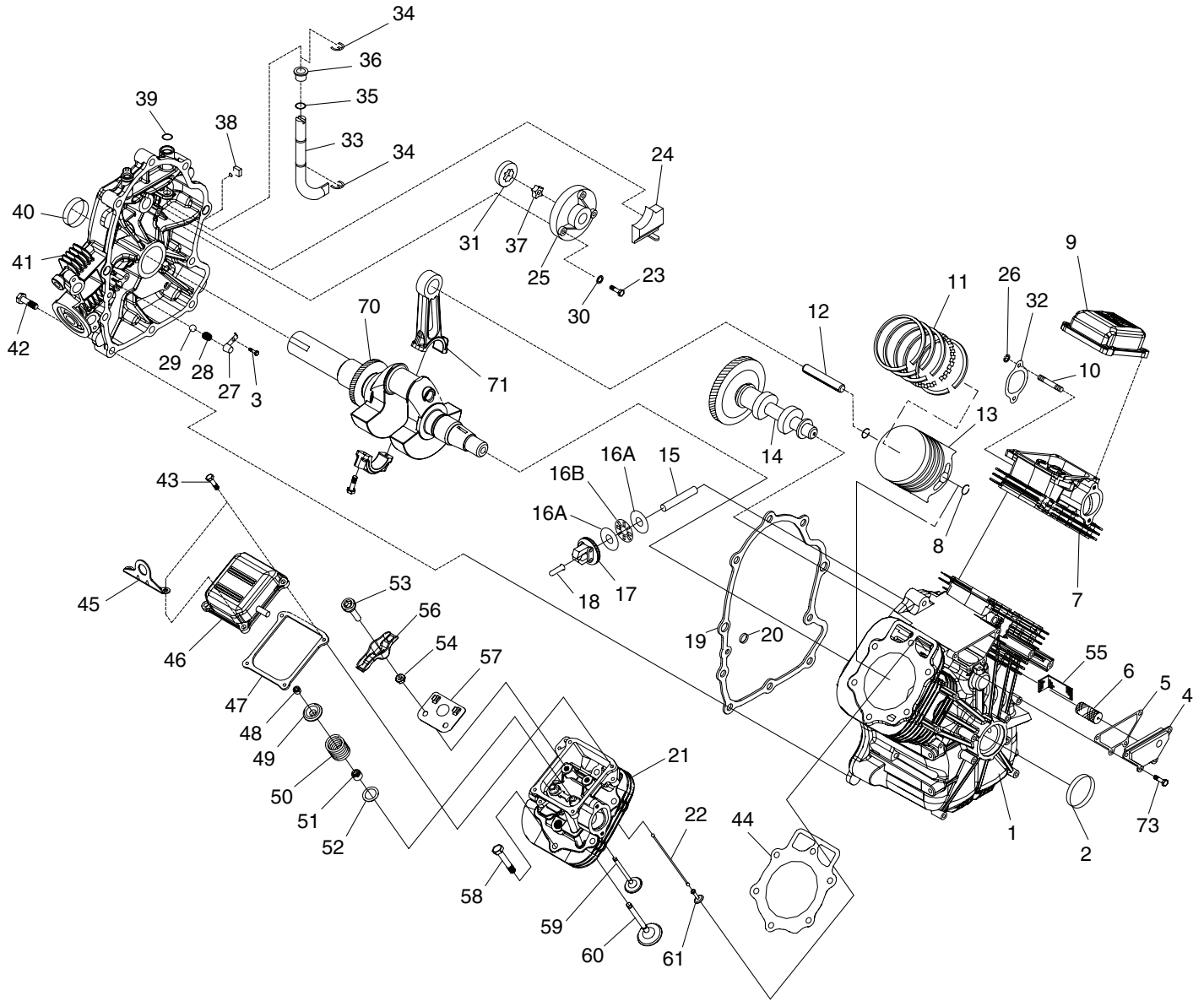
GTV990

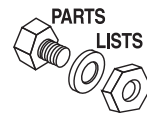
Engine Parts Manual

Model: 004982-0

Long Block - Specific

Drawing 0E4328-P





Long Block - Specific

Drawing 0E4328-P

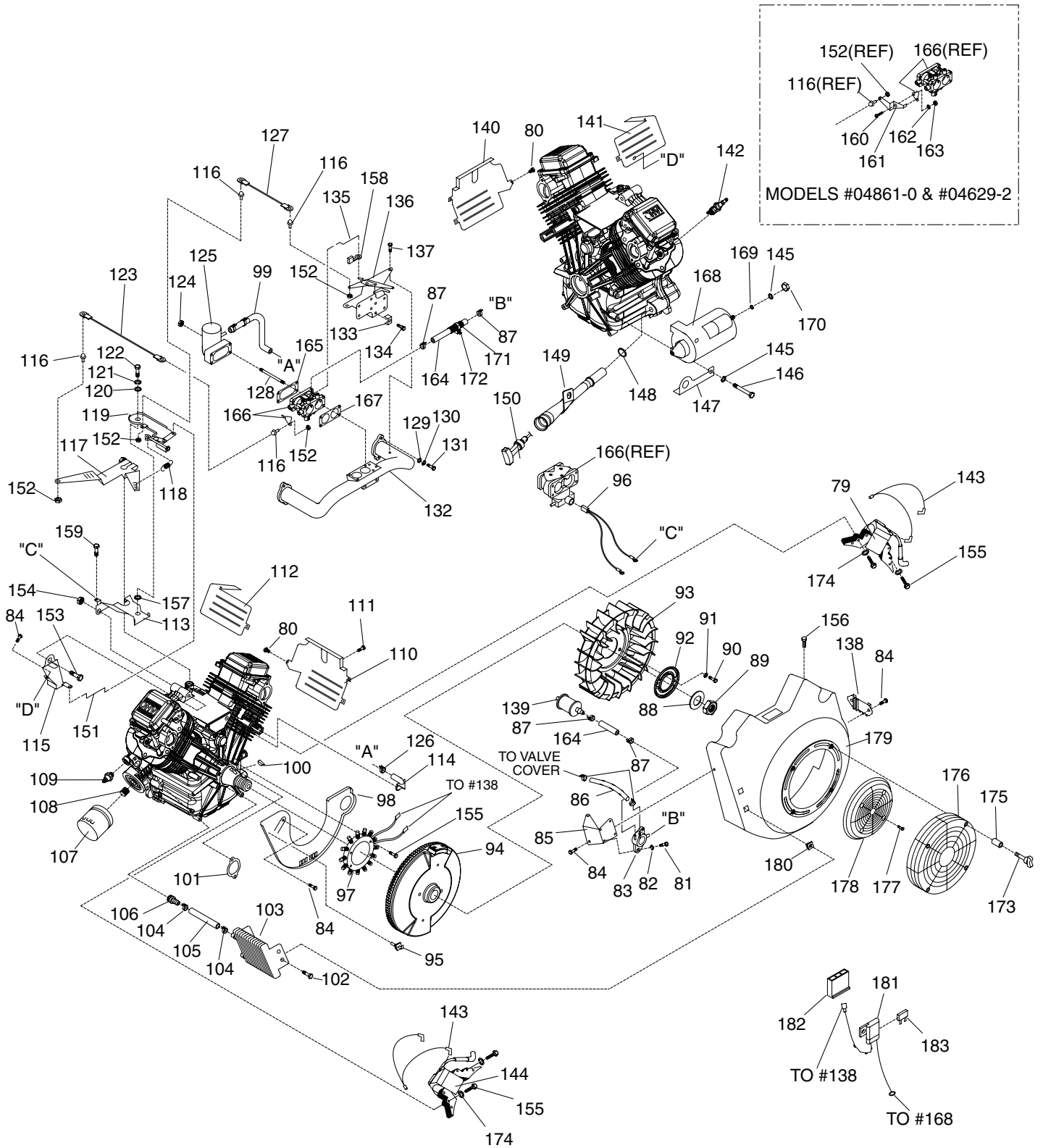
ITEM	PART NO.	QTY.	DESCRIPTION
1	0C5730BSRV	1	ASSY, CRANKCASE VS W/SLEEVE
2	0E9843A	1	SEAL, 38 I.D. CRANKSHAFT
3	090388	2	SCREW, HHTT M6-1.0 X 12 YC
4	0C5372	1	ASSEMBLY, BREATHER
5	0C3005	1	GASKET, BREATHER COVER
6	0E3372A	1	SEPARATOR, OIL BREATHER GTV
7	0D8067A	1	ASSEMBLY, HEAD #1
8	071983	4	RETAINER, PISTON PIN 20
9	0C2981C	1	ROCKER, COVER NO OIL FILL
10	045761A	4	STUD M8-1.25/10MM X 30 G5 ZINC
11	0G25650SRV	2	SET, PISTON RING 90MM
12	0E1466	2	PIN PISTON 20 DIA X 48 LONG
13	0G2752	2	PISTON, 8.5:1 90MM DIA (LOW COMP.)
14	0D40410SRV	1	ASSY, CAMSHAFT & GEAR
15	0C2983	1	SHAFT, GOVERNOR
16A	0C2985A	2	ROLLER BEARING, GOVERNOR PLATE
16B	0C2985B	1	ROLLER BEARING, GOVERNOR
17	0E2743	1	ASSEMBLY, GOVERNOR GEAR
18	0A7811	1	SPOOL, GOVERNOR MACHINED
19	0C2977	1	GASKET, CRANK CASE
20	0C5943	1	SEAL, OIL PASSAGE
21	0D8067B	1	ASSEMBLY, HEAD #2
22	0D9853D	4	PUSHROD, 147
23	021374	3	SCREW SHC M6-1.0 X 30 G8.8
24	0C2994	1	SCREEN, OIL PICKUP
25	0C2997	1	COVER, GEROTOR
26	0F0462	4	NUT W/TOOTH WSHR M8-1.25
27	0C3011	2	COVER, OIL RELIEF
28	0C3009	2	SPRING, OIL RELIEF
29	0C3010	2	BALL, 1/2D OIL RELIEF
30	093873	3	WASHER, LOCK RIB M6
31	0C2996	1	GEROTOR, OUTER

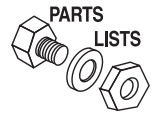
ITEM	PART NO.	QTY.	DESCRIPTION
32	0C4138	2	GASKET, EXHAUST
33	0D1667	1	ARM, GOVERNOR
34	0C2991	2	E-RING, GOVERNOR ARM
35	0C2988	1	THRUST WASHER, GOVERNOR
36	0C2992	1	BUSHING, GOVERNOR LOWER
37	0C2995	1	GEROTOR, INNER
38	0D4788	1	PLUG, DRAIN
39	0C2993	1	SEAL, GOVERNOR SHAFT
40	0E9842A	1	SEAL, 42 I.D. CRANKSHAFT
41	0C57320SRV	1	ASSY, SUMP WITH SLEEVE
42	0C3006	9	SCREW, HHFC M10-1.5 X 55
43	080318	8	SCREW HHFC M6-1.0 X 25
44	0C2978	2	GASKET, HEAD
45	0C8808	1	HOOK, LIFTING
46	0D7477A	1	ASSEMBLY, ROCKER COVER W/ BARB FOR PULSE
47	0C2979	2	GASKET, VALVE COVER
48	086515	8	KEEPER, VALVE SPRING
49	0D2274	4	RETAINER, VALVE SPRING
50	0D3867	4	SPRING, VALVE
51	078672	2	SEAL, VALVE STEM D7
52	0C5371	4	WASHER, VALVE SPRING
53	072694	4	STUD, ROCKER ARM PIVOT
54	0D3998	4	NUT, HEX M8-1.0 G8 YEL CHR
55	0E3273	1	SCREEN C'CASE BREATHER GTV
56	0D5313	4	ROCKER ARM
57	0D6024	2	PLATE, PUSH ROD GUIDE
58	0C2976	12	SCREW HHFC M8-1.25 X 65
59	086516	2	VALVE, EXHAUST
60	0C2229	2	VALVE, INTAKE
61	083897	4	TAPPET, SOLID
70	0E4357B	1	ASSY, C'SHFT & GEAR L&G
71	0E3223	2	CONROD
73	0D6147	4	SCREW, HHFC M6-1.0 X 10mm

* For a complete list of available kits, see pages 9-11 of this manual.

Long Block - Common

Drawing 0E4328-P





Long Block - Common

Drawing 0E4328-P

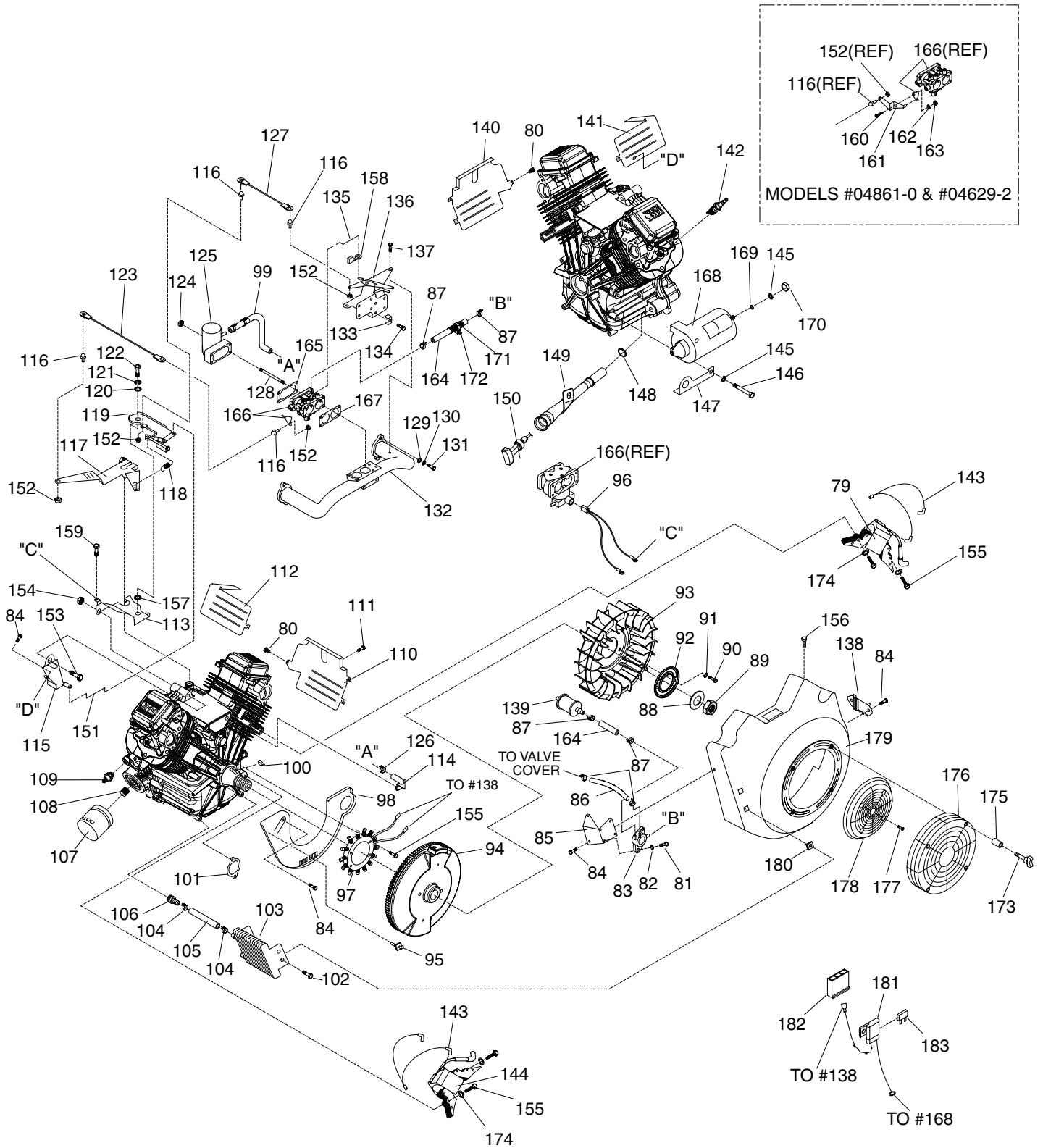
ITEM	PART NO.	QTY.	DESCRIPTION
79	0G3224ASRV	1	ASSY, IGN COIL W/DIODE NO ADV
80	0D6147	2	SCREW, HHFC M6-1.0 X 10mm
81	047411	2	SCREW, HHC M6-1.0 X 16
82	022097	2	WASHER, LOCK M6
83	See Note 1	1	PUMP, IMPULSE
84	045756	21	SCREW, HHTT M6-1.0X 10 YELLOW CHROME
85	0D6027	1	BRACKET, FUEL PUMP
86	030340P	1	HOSE, 1/4" ID X 7" LONG
87	048031C	6	CLAMP, HOSE BAND 1/4
88	0C3033	1	WASHER, M24
89	0C3034	1	NUT,HEX M24
90	048571	2	SCREW, HHC M8-1.25 X 10 G8.8
91	0A5992	2	WASHER, SHAKEPROOF INT M8 SS
92	0C3032	1	PLATE, FAN
93	0C3031	1	FAN, NYLON
94	0C91820SRV	1	FLYWHEEL, ASSEMBLY W/ L.C. MAGNETS
95	0E4997	1	CONNECTOR, GROUND WIRE
96	0E1325	1	WIRE HARNESS, FUEL SHUTOFF
97	0F1153B	1	STATOR, OUTLINE W/LUGS 14.25"
98	0C3016C	1	PLATE, BACKING GT990 WITH OIL COOL
99	0E4845	1	ASSY,BREATHER TUBE GTV
100	082774	1	KEY, WOODRUFF 4 X 19D
101	0C3043	2	GASKET, MANIFOLD / PORT
102	0C9764	4	PLASTITE, 1/4-15 X 3/4
103	0E9506	1	COOLER, OIL
104	0G3662	4	CLAMP, HOSE OETIKER 16.5mm
105	0G0286	2	HOSE, 3/8" I.D. X 6" LONG
106	035461	2	BARBED STR 1/4NPT X 3/8
107	070185D	1	FILTER, OIL BLACK 75mm LONG
108	0C7292	1	NIPPLE, 3/4"-16 UNF
109	0C3025	1	SWITCH, OIL PRESS
110	0C3019	1	WRAPPER, LOWER CYLINDER 1
111	0E5153	2	SCREW, THTT #10-24 X 3/8"
112	0C3018	1	WRAPPER, UPPER CYLINDER 1
113	0D3868	1	BRACKET, SUPPORT-GOVERNOR ADJUST
114	0E4804	1	HOSE, BLOWER HSG TO BREATHER

ITEM	PART NO.	QTY.	DESCRIPTION
115	0E05530SRV	1	ASSY, IDLE SPEED SUPPORT BRACKET
116	0D6342	4	STUD, BALL M3-0.5
117	0E0552	1	ASSY, GOVERNOR LEVER
118	0E1150	1	SPRING, GOVERNOR
119	0D9884	1	ASSY, IDLE SPEED ADJUST W/ GROMMET
120	0D3876	1	WASHER, FLAT M5
121	049226	1	WASHER, LOCK M5
122	045770	1	SCREW, HHC M5-0.8 X 10
123	0D6257	1	ROD, GOVERNOR
124	052857	4	NUT, LOCK FLANGE M6-1.0
125	0D3959A	1	ADAPTOR, CARB-AIRBOX,M6 BOSSES
126	048031N	1	HOSE CLAMP, BAND 12mm I.D.
127	0D9999	1	ASSEMBLY, IDLE SPEED ADJUSTMENT ROD
128	0D6021	4	STUD, METRIC
129	070008	4	WASHER, FLAT M8
130	070006	4	WASHER, LOCK M8
131	049821	4	SCREW, SHC M8-1.25 X 30
132	0E3052	1	MANIFOLD, INTAKE VERT 2BBL CARB
133	0E4190	4	CLAMP, 3/16" COATED CABLE
134	0F5579	4	SCREW, HHC W/SHLDR M5-0.8 X 20
135	0D8559	1	ROD, CHOKE
136	0D7237	1	ASSY, BELDEN BRACKET W/ BELLCRANK
137	0E5139	3	SCREW, HHFC M6-1.0 X 8mm
138	0A2702	1	REGULATOR, 20 AMP
139	0F0106	1	FILTER, FUEL
140	0D1142A	1	WRAPPER, LOWER CYLINDER 2
141	0D1143	1	WRAPPER, UPPER CYLINDER 2
142	0E6037A	2	SPARKPLUG
143	0F1177	1	ASSEMBLY, GROUND WIRE
144	0G3224BSRV	1	ASSY, IGN COIL W/DIODE NO ADV
145	022129	3	WASHER, LOCK M8-5/16
146	061906	2	SCREW, HHC M8-1.25 X 85 G8.8
147	0D6026	1	LIFT HOOK, STARTER
148	090072	1	O-RING, OIL CLR

Note 1: Round Body Fuel Pump - order p/n 0F6263
 Square Body Fuel Pump - order p/n 0C4147

Long Block - Common

Drawing 0E4328-P





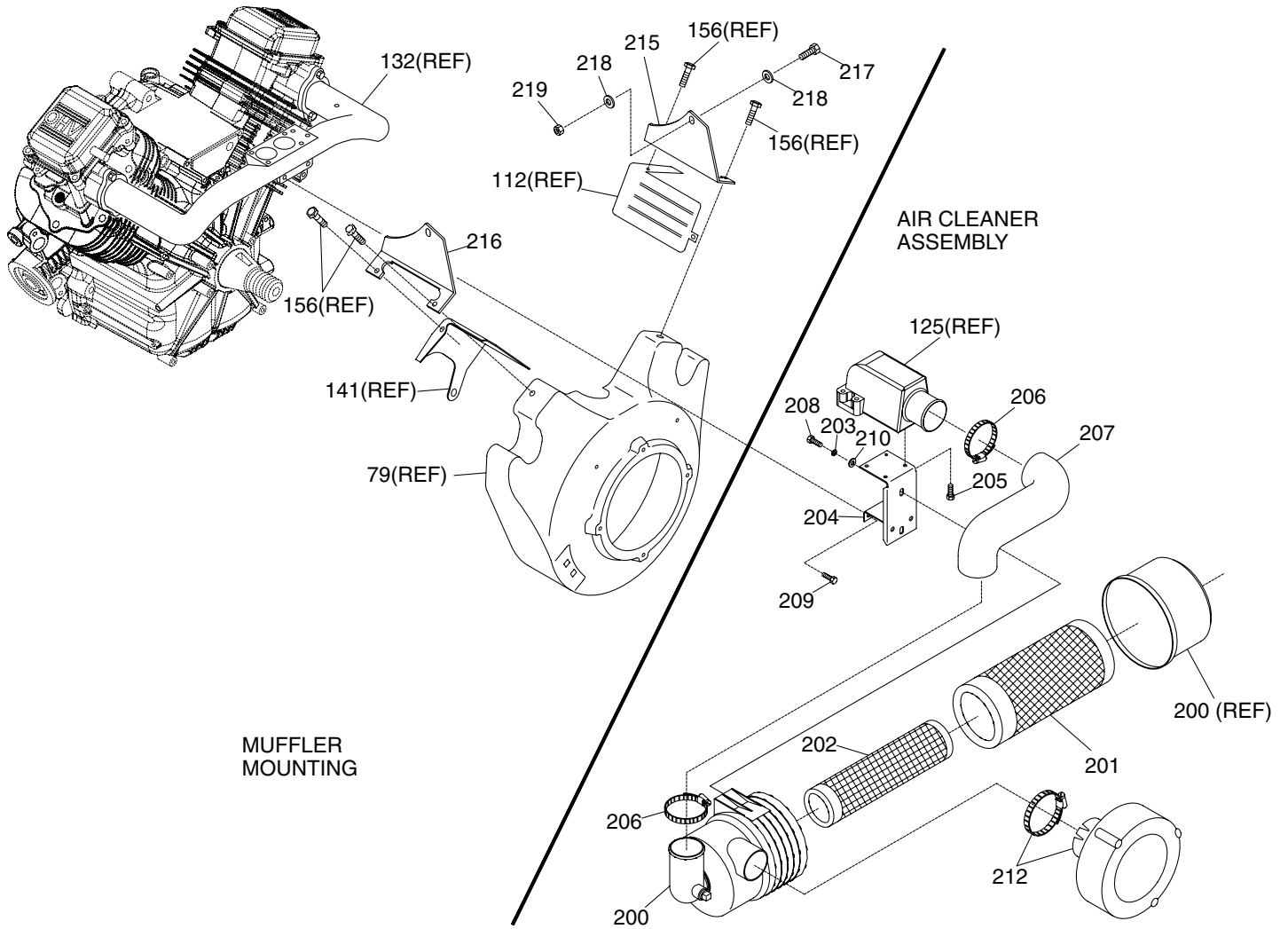
Long Block - Common

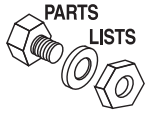
Drawing 0E4328-P

ITEM	PART NO.	QTY.	DESCRIPTION
149	0D6655	1	TUBE, DIPSTICK
150	0E7887A	1	ASSEMBLY, DIPSTICK W/ HANDLE
151	0D9863	1	ROD, IDLE ADJUSTMENT
152	0D9784	4	NUT, LOCK HEX M3-0.5
153	0E0486	1	SCREW, SHC M10-1.5 X 75 G10.9
154	0E5343	1	NUT, LOCK FL-SERRATED M10-1.5
155	0G3110	8	M6-1.0 X 20
156	0C8566	4	SCREW, HHHC M6-1.0 X 20
157	0E5113	1	WASHER NYLON 0.375" I.D.
158	0D1366	1	BUSHING, GOVERNOR ROD
159	066476	1	SCREW, HHSW M6-1.0 X 12
160	036933	1	SCREW, PPHM #10-32 X 3/8"
161	0D6311	1	BRACKET, THROTTLE
162	022152	1	WASHER, LOCK #10
163	022158	1	NUT, HEX #10-32
164	030340R	2	HOSE 1/4" ID X 9.5" LONG
165	0D4026	1	GASKET, AIRBOX TO SPCR/ CARB
166	0F9036	1	CARBURETOR
167	0G0510	1	GASKET, MANIFOLD TO CARB
168	0E42710ESV	1	STARTER
169	022145	1	WASHER, FLAT M8
170	045771	1	NUT, HEX M8-1.25 G8
171	086061G	1	SLEEVING, 1/2" ID X 2"LG
172	029333A	1	TIE WRAP, UL 7.4"X.19"BLK
173	0C5136	4	KNOB, AIR CLEANER
174	026850	4	WASHER, SHAKEPROOF, EXT 1/4 STL
175	0E3146	4	SPACER, ROTATING SCREEN GUARD
176	0D7815A	1	GUARD, ROTATING SCREEN
177	0D7115	4	SCREW, #10 SHEET METAL
178	0D9684A	1	SCREEN, ROTATING
179	0E4046E	1	HOUSING, BLOWER VERTICAL L&G
180	0C9763	4	NUT, GROMMET 1/4 PLUG
181	0F1155A	1	ASSY, FUSE WIRE W/ RING LUG
182	0F1150	1	HOUSING CONN PACKARD 56 SERIES
183	0E7237	1	30 AMP FUSE

Air Intake and Exhaust

Drawing 0E4328-P





Air Intake and Exhaust

Drawing 0E4328-P

ITEM	PART NO.	QTY.	DESCRIPTION
AIR CLEANER ASSEMBLY			
200	0F7642	1	CLEANER, AIR W/MOUNTING BAND
201	0E3557	1	FILTER, AIR PRIMARY
202	0E3656	1	FILTER, AIR SAFETY
203	022129	2	WASHER LOCK M8-5/16
204	0E2990	1	BRKT, AIR CLEANER SUPPORT GTV
205	0E1644	4	SCREW BHSC M6-1.0 X 12 SS
206	0E1680	2	CLAMP HOSE #32 1.563-2.500
207	0E4326	1	HOSE AIR CLEANER GTV
208	042907	2	SCREW HHC M8-1.25 X 16 G8.8
209	0D6147	2	SCREW HHFC M6-1.0 X 10 G8.8
210	022145	2	WASHER FLAT 5/16-M8 ZINC
212	0E4714	1	PRECLEANER, AIR INTAKE GTV

ITEM	PART NO.	QTY.	DESCRIPTION
MUFFLER MOUNTING			
215	0E3502A	1	SUPPORT, MUFFLER RH
216	0E3502B	1	SUPPORT, MUFFLER LH
217	039253	2	SCREW HHC M8-1.25 X 20 G8.8
218	022145	4	WASHER FLAT 5/16-M8 ZINC
219	067989	2	NUT, LOCK FL M8-1.25 YEL CHR

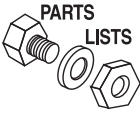
CARBURETOR OVERHAUL KIT — 0F9124

PART NO.	QTY.	DESCRIPTION
0D4023	1	GASKET, MANIFOLD TO CARB GTH990
0D4026	1	GASKET, ARBX TO SPCR/CARB H990
0E5689	1	"O"RING, FLOAT BOWL DRAIN
0E5694	1	ASSY, NEEDLE VALVE
0E5695	1	SPRING, NEEDLE
0E5696	1	PIN, NEEDLE
0E5700	1	"O"RING, FLOAT BOWL
0E5701	1	GASKET, FLOAT BOWL

CARBURETOR BOWL GASKET KIT — 0F9125

PART NO.	QTY.	DESCRIPTION
0E5689	1	"O"RING, FLOAT BOWL DRAIN
0E5700	1	"O"RING, FLOAT BOWL
0E5701	1	GASKET, FLOAT BOWL

SOLENOID, FUEL SHUT OFF — 0E5551



OIL RELIEF KIT — 0D40150SRV		
PART NO.	QTY.	DESCRIPTION
0C3009	2	SPRING, OIL RELIEF
0C3010	2	BALL, 1/2D OIL RELIEF
0C3011	2	COVER, OIL RELIEF

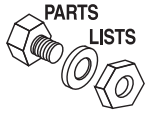
SUMP KIT ASSEMBLY — 0D94190SRV		
PART NO.	QTY.	DESCRIPTION
0C2988	1	THRUST WASHER
0C2991	2	E-RING, GOVERNOR ARM
0C2992	1	BUSHING, GOVERNOR LOWER
0C3009	2	SPRING, OIL RELIEF
0C3010	2	BALL, 1/2D OIL RELIEF
0C3011	2	COVER, OIL RELIEF
0D1667	1	ARM, GOVERNOR
0E9842	1	SEAL CRANKSHAFT PTO SIDE
090388	2	SCREW, HHTT M6-1.0 X 12 ZINC

GOVERNOR KIT ASSEMBLY — 0E27430SRV		
PART NO.	QTY.	DESCRIPTION
0A7811	1	SPOOL, GOVERNOR MACHINED
0C2985A	2	BEARING ROLLER GOV TOP
0C2985B	1	BEARING ROLLER GOV W/ROLLERS
0E2743	1	ASSY, GOV GEAR-LIGHT FLYWGT

BREATHER ASSEMBLY KIT — 0E43550SRV		
PART NO.	QTY.	DESCRIPTION
0C3005	1	GASKET, BREATHER COVER
0C5372	1	ASSY, BREATHER
0E3273	1	SCREEN, C'CASE BREATHER
0E3372A	1	SEPARATOR, OIL BREATHER

GASKET KIT — 0D40100ESV		
PART NO.	QTY.	DESCRIPTION
0C2977	1	GASKET, CRANKCASE
0C2978	2	GASKET, CYLINDER HEAD
0C2979	2	GASKET, VALVE COVER
0C2993	1	SEAL, GOVERNOR SHAFT
0C3005	1	GASKET, BREATHER COVER
0C3027	1	O-RING 3/8 X 1/2 NITRILE (For Horizontal Shaft Engine)
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5943	1	SEAL, OIL PASSAGE
0D4026	1	GASKET, AIRBOX TO SPACER/ CARBERATOR
0E9842A	1	SEAL, CRANKCASE PTO GREEN
0E9843A	1	SEAL, CRANKCASE FLYWHEEL SIDE GREEN
0G0510	1	GASKET, MANIFOLD TO CARBERATOR
090072	1	O-RING 9/16 X 3/4 X 3/32 (For Vertical Shaft Engine)

PISTON KIT — 0E29500SRV		
PART NO.	QTY.	DESCRIPTION
0E1466	2	PIN, PISTON 20 DIA X 48
0G2752	2	PISTON, DISH TOP DIA 90 COATED
0G2565A	2	RING, PISTON TOP DIA 90
0G2565B	2	RING, PISTON 2ND DIA 90
0G2565C	4	RING, PISTON OIL RAIL DIA 90
0G2565D	2	RING, PISTON OIL SPACER DIA 90
071983	4	RETAINER, PISTON PIN 20



HEAD ASSEMBLY KIT - CYL #1 — 0D8675ASRV		
PART NO.	QTY.	DESCRIPTION
0C2229	1	VALVE, INTAKE
0C2976	6	SCREW, HHFC M8-1.25 X 65
0C2978	1	GASKET, CYLINDER HEAD
0C2979	1	GASKET, VALVE COVER
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5371	2	WASHER, VALVE SPRING
0D2274	2	RETAINER, VALVE SPRING
0D3867	2	SPRING, VALVE
0D3998	2	NUT, HEX M8-1.0 G8 YEL CHR
0D5313	2	ROCKER ARM
0D6024	1	PLATE, PUSH ROD GUIDE
0D8067A	1	ASSY, CYL HEAD GUIDES & SEATS CYL 1
0D9853D	2	PUSHROD 147 LENGTH
072694	1	STUD, ROCKER ARM PIVOT
078672	1	SEAL, VALVE STEM D7
086515	2	KEEPER, VALVE SPRING (SET OF 2)
086516	1	VALVE, EXHAUST

HEAD ASSEMBLY KIT - CYL #2 — 0D8675BSRV		
PART NO.	QTY.	DESCRIPTION
0C2229	1	VALVE, INTAKE
0C2976	6	SCREW, HHFC M8-1.25 X 65
0C2978	1	GASKET, CYLINDER HEAD
0C2979	1	GASKET, VALVE COVER
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5371	2	WASHER, VALVE SPRING
0D2274	2	RETAINER, VALVE SPRING
0D3867	2	SPRING, VALVE
0D3998	2	NUT, HEX M8-1.0 G8 YEL CHR
0D5313	2	ROCKER ARM
0D6024	1	PLATE, PUSH ROD GUIDE
0D8067B	1	ASSY, CYL HEAD GUIDES & SEATS CYL 2
0D9853D	2	PUSHROD 147 LENGTH
072694	1	STUD, ROCKER ARM PIVOT
078672	1	SEAL, VALVE STEM D7
086515	2	KEEPER, VALVE SPRING (SET OF 2)
086516	1	VALVE, EXHAUST



GTV990 OHVI SERIES ENGINE

Model 004982-0