

PARTS MANUAL

MODEL
Parts
Manual

dy410b00060

01/14



SUBARU

Industrial Power Products

Subaru Industrial Power Products

905 Telser Road - Lake Zurich, IL 60047 - Phone 847-540-7300 - Fax 847-438-5012

e-mail: sales@subarupower.com - www.subarupower.com

© 2012 Subaru Industrial Power Products

Group Index

Group Name	Page
100 Crankcase.....	6
100 Crankcase.....	10
120 Crankcase.....	14
200 Crankshaft.....	16
200 Crankshaft.....	20
300 Intake & Exhaust.....	22
300 Intake & Exhaust.....	24
310 Intake & Exhaust.....	28
315 Intake & Exhaust.....	30
345 Intake & Exhaust.....	32
400 Governor.....	34
400 Governor.....	38
500 Cooling & Starting.....	42
500 Cooling & Starting.....	44
520 Cooling & Starting.....	46
550 Cooling & Starting.....	48
600 Fuel & Lubricant.....	50
600 Fuel & Lubricant.....	54
615 Fuel & Lubricant.....	56
640 Carburetor.....	58
700 Electric Device.....	62
770 Electric Device.....	64

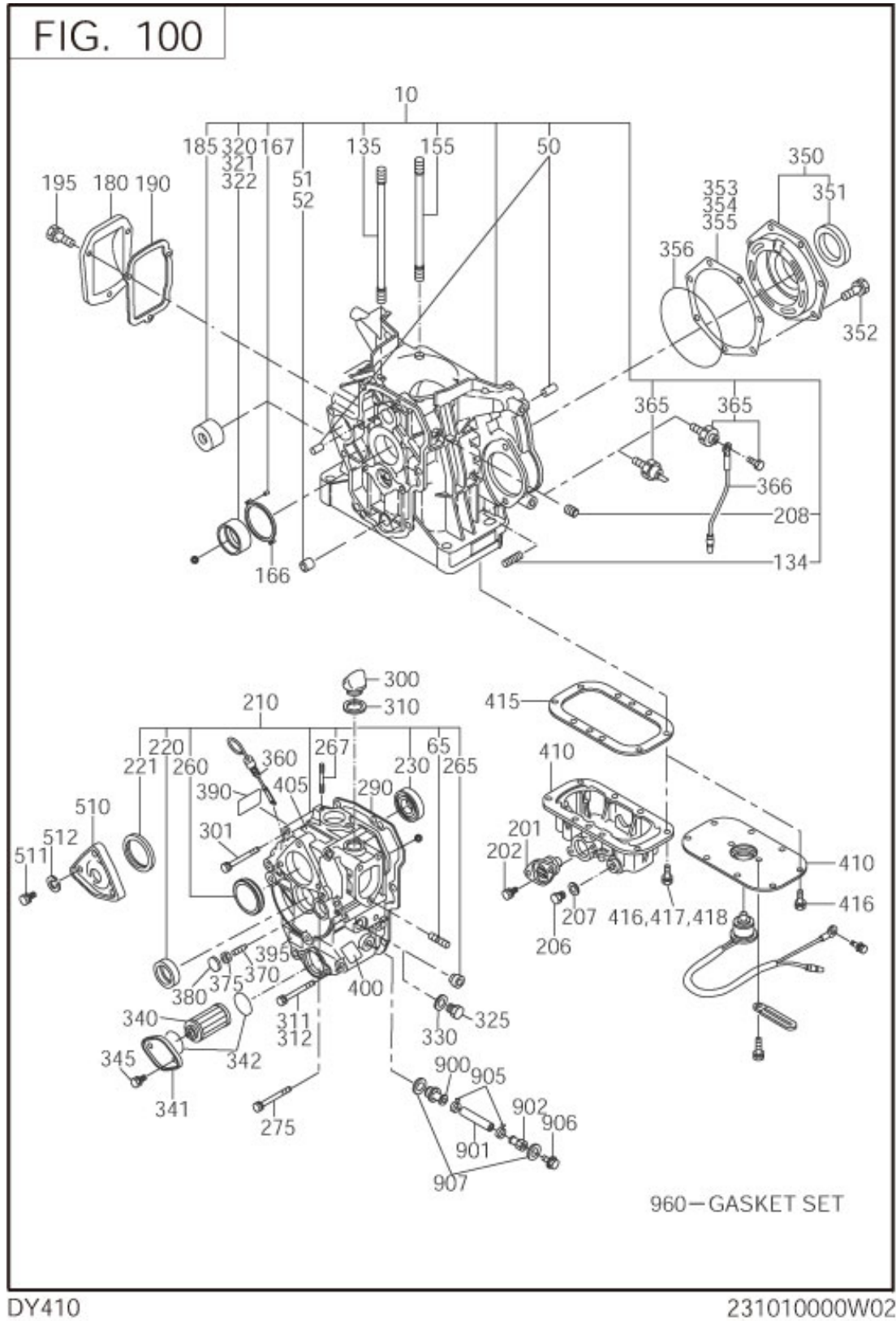
Group Index LB

800 Reduction.....	66
900 Accessory.....	70
900 Accessory.....	72
Part Number Index.....	74
Part Description Index.....	76

Group Index (continued)

This Page Intentionally Left Blank

100 Crankcase



100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	231-10108-11	CRANKCASE CP	1	
50	031-00801-00	DOWEL PIN	4	Start Code: 7136.
50	005-26081-80	DOWEL PIN	4	End Code: 7135.
51	228-15003-13	PIPE KNOCK	1	
65	001-32083-51	STUD	3	
135	231-16001-11	TENSION BOLT 1 CP	2	
155	231-16002-11	TENSION BOLT 2 CP	2	
166	228-15002-03	THRUST BEARING	1	
167	005-19250-60	SPRING PIN	2	
180	228-26001-01	BALANCER COVER CP	1	Interchangeable with 228-26050-01.
185	228-25002-03	SLEEVE(BALANCER)	1	
190	228-25004-03	GASKET(BALANCER COV)	1	
195	980-05060-10	BOLT & WASHER AY	3	
208	212-15008-13	BLIND PLUG	1	Remarks: PT1/8X9L.
210	231-11702-01	GEAR CASE COVER CP	1	
220	044-02200-50	OIL SEAL	1	
230	060-03500-40	BALL BEARING	1	Remarks: BB6007C3.
260	041-05000-11	BLIND PLATE	1	
267	001-32064-50	STUD	2	
290	231-15033-03	GASKET(CASE COVER)	1	Start Code: 5272.
290	231-15007-03	GASKET(CASE COVER)	1	End Code: 5271.
300	228-65003-03	PLUG	1	
301	001-13088-50	BOLT AND WASHER AY	4	Remarks: M8X1.25X85L W/SW.
310	021-32000-50	GASKET	1	Start Code: 5539. Remarks: 20DX27DX1.5T RUBBER.
310	021-32000-10	GASKET	1	End Code: 5538. Remarks: 20DX27DX1.5T RUBBER. Interchangeable with 021-32000-50.
311	001-13086-50	BOLT AND WASHER AY	4	Remarks: M8X1.25X65L W/SW.
320	228-15801-03	MAIN BEARING	1	Remarks: STD..
321	228-15802-03	MAIN BEARING	1	Remarks: 0.25 U.S..
322	228-15803-03	MAIN BEARING	1	Remarks: 0.50 U.S..
325	040-11200-30	PLUG	1	
330	003-70120-00	GASKET,ALUMINUM	1	
340	228-64301-00	OIL FILTER AY	1	
342	024-03000-10	O RING	1	
345	980-05060-10	BOLT & WASHER AY	2	
350	231-11501-21	BEARING HOUSING CP	1	
351	044-04000-20	OIL SEAL	1	
352	001-13082-00	BOLT AND WASHER AY	7	Remarks: M8X1.25X20L W/SW.

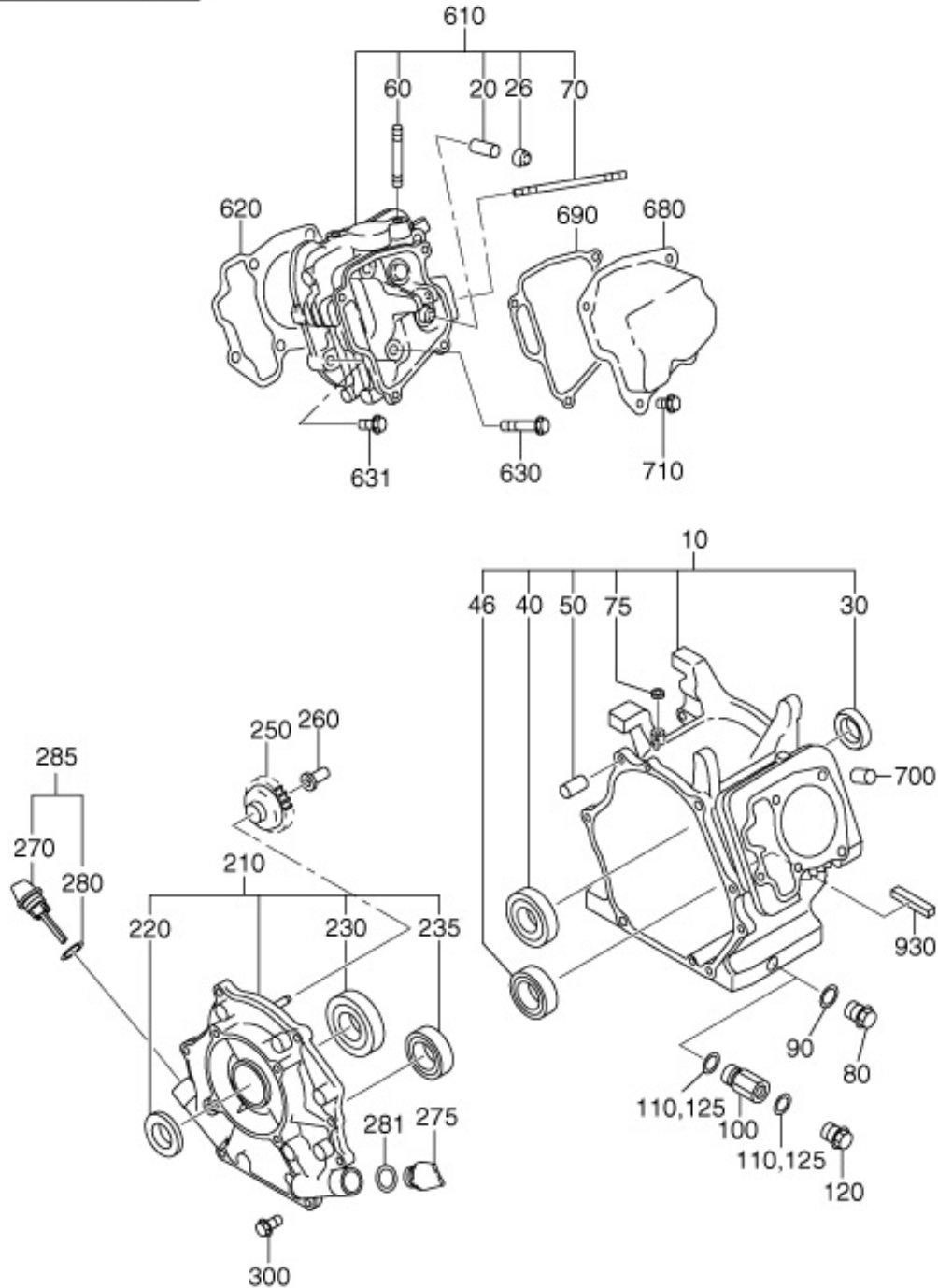
100 Crankcase

Ref	Part Number.	Description	Qty	Remark
353	231-15004-03	GASKET,BEAR.HOUSING	1	Remarks: T=0.1.
354	231-15005-03	GASKET,BEAR.HOUSING	1	Remarks: T=0.2.
355	231-15006-03	GASKET,BEAR.HOUSING	1	Remarks: T=0.3.
356	231-15014-03	O RING,BEAR.HOUSING	1	
360	228-63610-01	OIL GAUGE CP	1	
370	014-90600-70	ADJUSTING SCREW	1	
380	041-12200-10	BLIND PLUG	1	
390	231-91821-03	LABEL(ENGINE NAME)	1	Start Code: 6666.
390	231-91821-03	LABEL(ENGINE NAME)	1	End Code: 6665.
400	073-20045-40	LABEL(OPERATION)	1	Start Code: 6666.
400	073-20045-40	LABEL(OPERATION)	1	End Code: 6665.
410	231-11601-03	OIL PAN	1	
415	231-15034-03	GASKET(OIL PAN)	1	
416	980-05060-10	BOLT & WASHER AY	10	
960	231-99001-17	GASKET SET	1	

This Page Intentionally Left Blank

100 Crankcase

FIG. 100



960- GASKET SET

EX27

279010001W00

100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10102-91	CRANK CASE CP	1.00	Start Code: 6951. Start Date: 1/11/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/OIL SENSOR.
10	279-10102-81	CRANK CASE CP	1.00	End Code: 6950. Start Date: 1/1/2006 0:00:00. Start Date: 1/10/2006 0:00:00. Remarks: W/OIL SENSOR. Interchangeable with 279-10102-91.
20	237-14202-03	VALVE GUIDE	2.00	Start Date: 12/31/9999 0:00:00. Remarks: 5.5DX9.5DX27L.
26	277-16010-01	STEM SEAL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 5.5DX9.5DX15DX7.8B.
30	044-03001-60	OIL SEAL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX45DX7B.
40	060-03003-41	BALL BEARING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX62DX16B.
50	277-15011-03	PIPE KNOCK	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 10.3DX8.5DX14L.
60	010-50802-50	STUD	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X25L.
70	010-50604-10	STUD	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X107L.
75	044-00600-20	OIL SEAL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX10DX2.5B.
80	040-11400-30	PLUG	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M14X1.5X20DX12L.
90	021-11400-20	GASKET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 14.1DX19DX2.3T.
210	279-11002-11	MAIN BEARING COVER C	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: FLANGE 4-5/16-24UNF.
220	044-03001-60	OIL SEAL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX45DX7B.
230	060-03003-70	BALL BEARING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX62DX16B.

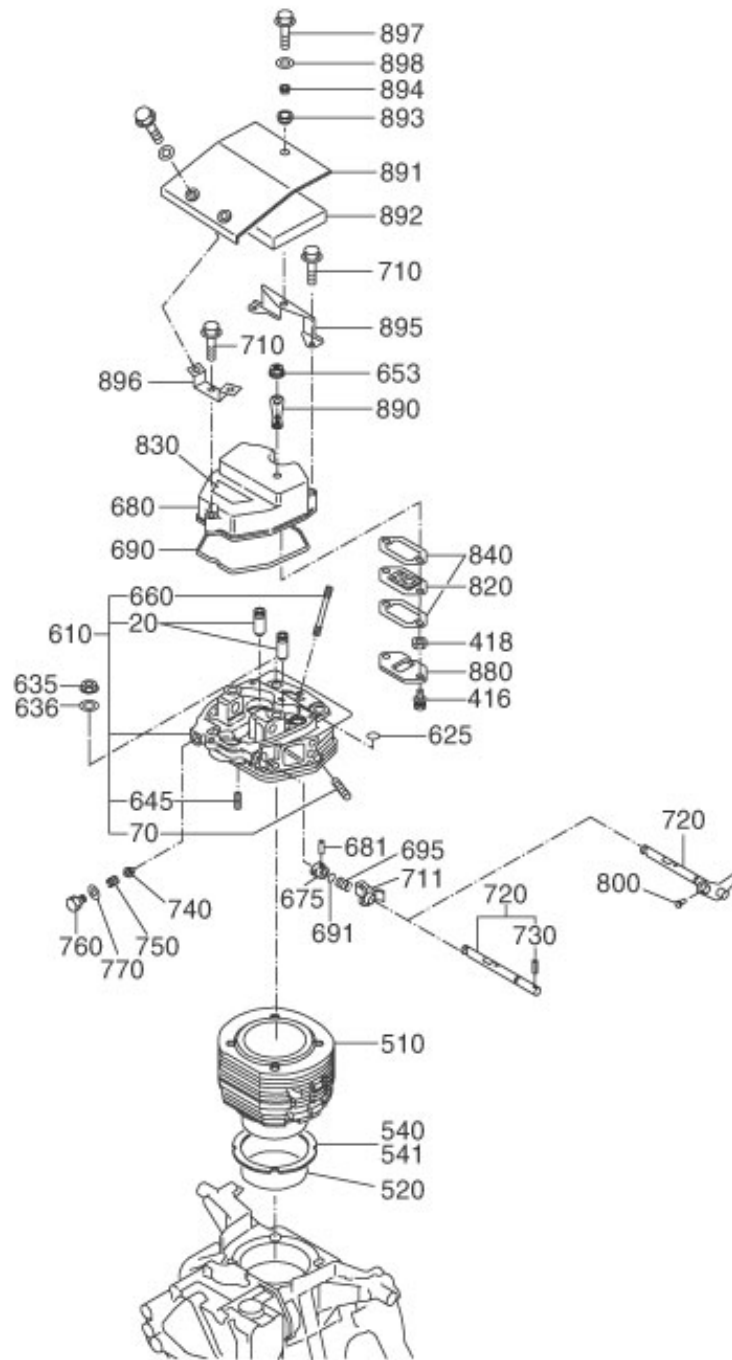
100 Crankcase

Ref	Part Number.	Description	Qty	Remark
250	277-45004-J1	GOVERNOR GEAR CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 53DX29.1T N=33.
260	277-41901-03	GOVERNOR SLEEVE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX7.6DX16DX26L.
270	279-63601-13	OIL GAUGE	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M22X1.5 L=67.5+18. Interchangable with 279-63601-23.
280	021-32000-50	GASKET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 20DX27DX1.5T RUBBER.
300	001-04083-50	FLANGE BOLT	7.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X16DX35L.
610	279-13001-21	CYLINDER HEAD CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
620	279-15001-33	GASKET (HEAD)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: T=0.2.
630	011-00802-40	FLANGE BOLT	4.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X16DX68L.
631	011-00803-10	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X16DX33L.
680	277-15503-01	ROCKER COVER CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
690	277-16001-13	GASKET(ROCKER COVER)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: T=0.5.
700	277-15011-03	PIPE KNOCK	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 10.3DX8.5DX14L.
710	011-00600-20	FLANGE BOLT	4.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX12L.
960	279-99001-27	GASKET SET	1.00	Start Date: 12/31/9999 0:00:00.

This Page Intentionally Left Blank

120 Crankcase

FIG. 120



DY410

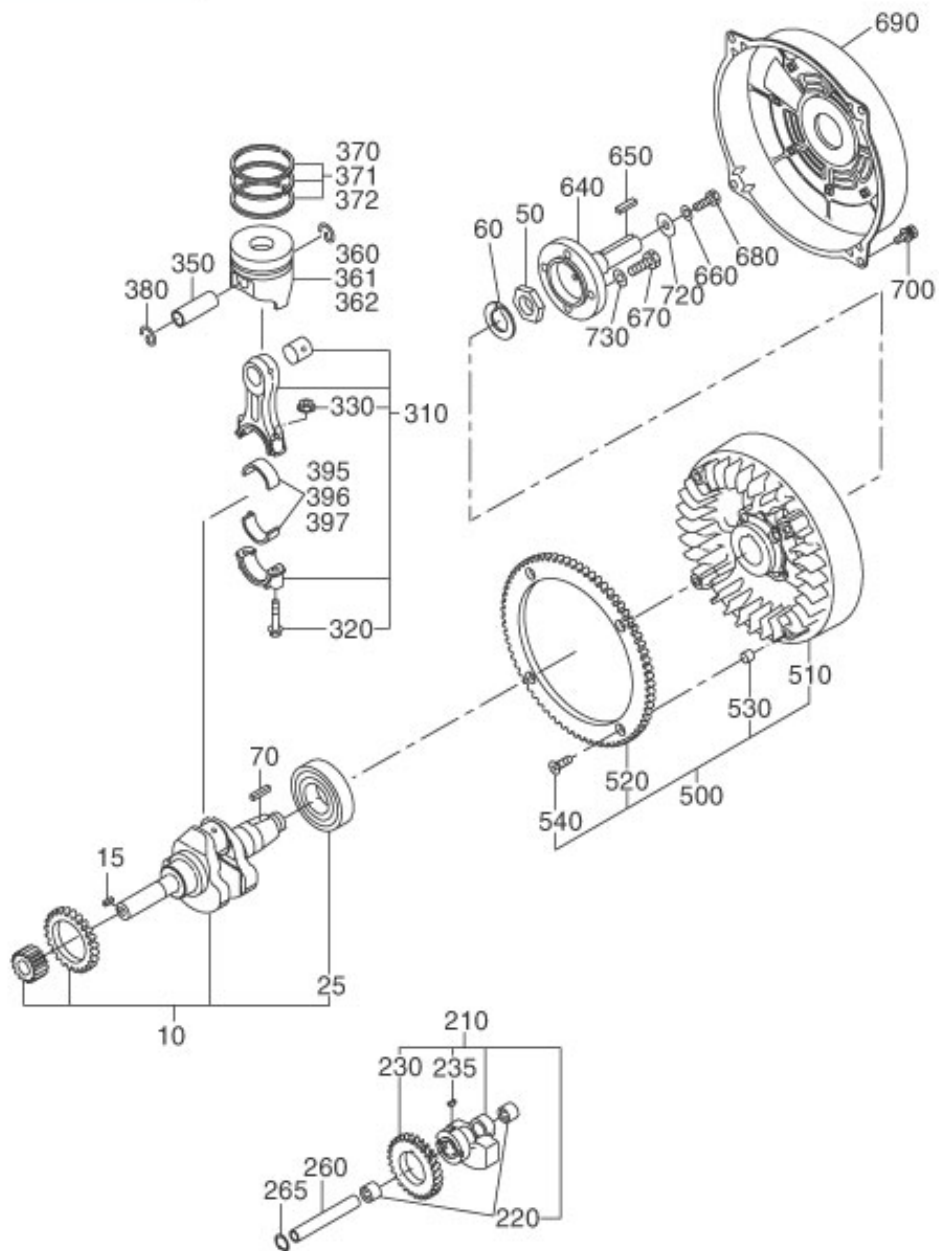
231012000W02

120 Crankcase

Ref	Part Number.	Description	Qty	Remark
20	228-14204-03	VALVE GUIDE	2	
70	001-37082-01	STUD	4	
510	231-12401-12	CYLINDER UN	1	Start Code: 6972.
510	231-12401-02	CYLINDER UN	1	End Code: 6971.
520	229-15011-03	O RING(CYLINDER)	1	
540	229-15012-13	SPACER,CYLINDER	1	Remarks: T=0.1.
541	229-15013-13	SPACER,CYLINDER	1	Remarks: T=0.2.
610	229-13110-21	CYLINDER HEAD CP	1	
625	024-01300-10	O RING	1	
635	018-01000-11	FLANGE NUT	4	Remarks: M10X18DX10H.
636	980-30110-70	WASHER(11.5X23X4)	4	Interchangable with 803011070.
645	001-31062-51	STUD	2	
660	010-50601-50	STUD	2	Remarks: M6X1.0X70L.
680	228-17053-03	ROCKER COVER	1	
690	228-15010-03	GASKET(ROCKER COVER)	1	
710	001-13064-00	BOLT AND WASHER AY	3	
820	228-15303-01	BREATHER PLATE CP	1	
840	228-15009-23	GASKET(BREATHER)	1	

200 Crankshaft

FIG. 200



DY410

231020000W02

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	262-20202-01	CRANKSHAFT CP	1	Remarks: L=265 W/BALANCE GEAR.
15	005-30040-81	KEY	1	
25	060-04000-30	BALL BEARING	1	Remarks: BB6308.
50	017-32600-10	LOCK NUT	1	
60	020-52600-12	LOCK WASHER	1	
70	005-30072-01	KEY	1	
210	231-24301-11	BALANCER CP	1	
220	061-01500-10	NEEDLE BEARING	2	
230	231-24202-03	BALANCER GEAR 2	1	
235	005-32042-01	WOODRUFF KEY	1	
260	228-24101-13	BALANCER SHAFT	1	Start Code: 6666.
260	228-24101-03	BALANCER SHAFT	1	End Code: 6665.
265	003-14150-00	SNAPRING(INNER)	1	
310	262-22502-10	CONNECTING ROD AY	1	Start Code: 5253.
310	231-22501-10	CONNECTING ROD AY	1	End Code: 5252.
320	262-23001-03	BOLT(CON ROD)	2	Start Code: 5253.
320	231-23001-13	CONNECTING ROD BOLT	2	End Code: 5252.
330	941-34155-00	NUT(CONNECTING ROD)	2	Start Code: 5253. Interchangeable with 413415500.
350	262-23301-13	PISTON PIN	1	Start Code: 6666.
350	262-23301-03	PISTON PIN	1	Start Code: 5253. End Code: 6665.
350	228-23301-03	PISTON PIN	1	End Code: 5252.
360	262-23401-H3	PISTON	1	Start Code: 6972. Remarks: STD. (82DX75H).
360	262-23401-03	PISTON	1	Start Code: 5253. End Code: 6971. Remarks: STD. (82DX75H). Interchangeable with 262-23401-H3.
360	231-23401-43	PISTON	1	End Code: 5252.
361	231-23402-43	PISTON	1	
362	231-23403-43	PISTON	1	
370	229-23501-27	PISTON RING SET	1	Remarks: STD. (82D).
371	229-23502-27	PISTON RING SET	1	Remarks: 0.25 O.S.(82D).
372	229-23503-27	PISTON RING SET	1	Remarks: 0.50 O.S.(82D).
380	233-25002-03	CRIP	2	Start Code: 5253.
380	056-52100-10	CRIP	2	End Code: 5252.
395	262-22801-03	LARGE END BEARING	2	Start Code: 5253. Remarks: STD.
395	228-22801-13	LARGE END BEARING	2	End Code: 5252. Remarks: STD..
396	262-22802-03	LARGE END BEARING	1	Start Code: 5253. Remarks: 0.25 U.S..
396	228-22802-13	LARGE END BEARING	1	End Code: 5252. Remarks: 0.25 U.S..
397	262-22803-03	LARGE END BEARING	1	Start Code: 5253. Remarks: 0.50 U.S..

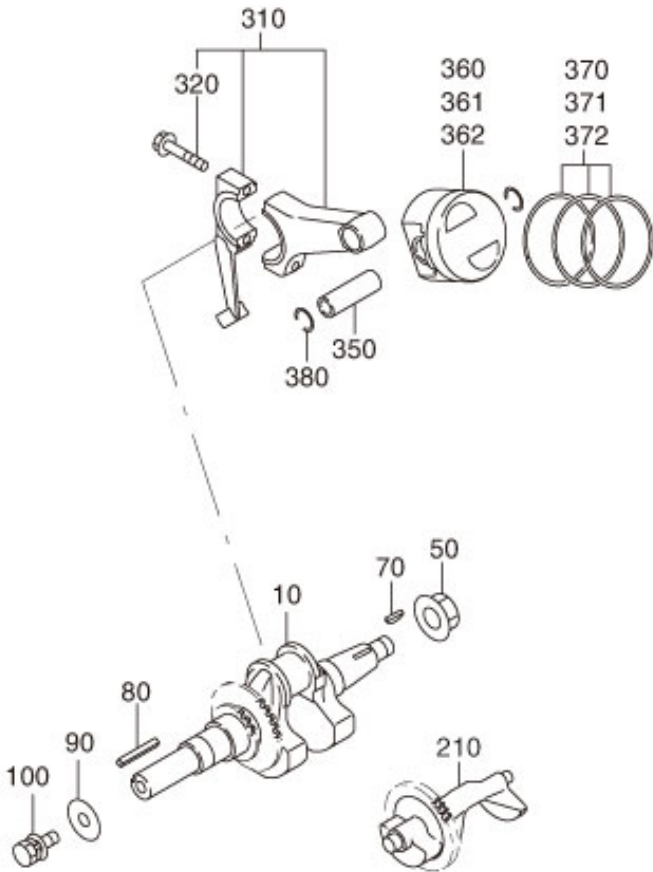
200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
397	228-22803-13	LARGE END BEARING	1	End Code: 5252. Remarks: 0.50 U.S..
510	228-22401-23	FLYWHEEL	1	Interchangable with 228-22405-03.

This Page Intentionally Left Blank

200 Crankshaft

FIG. 200



EX27

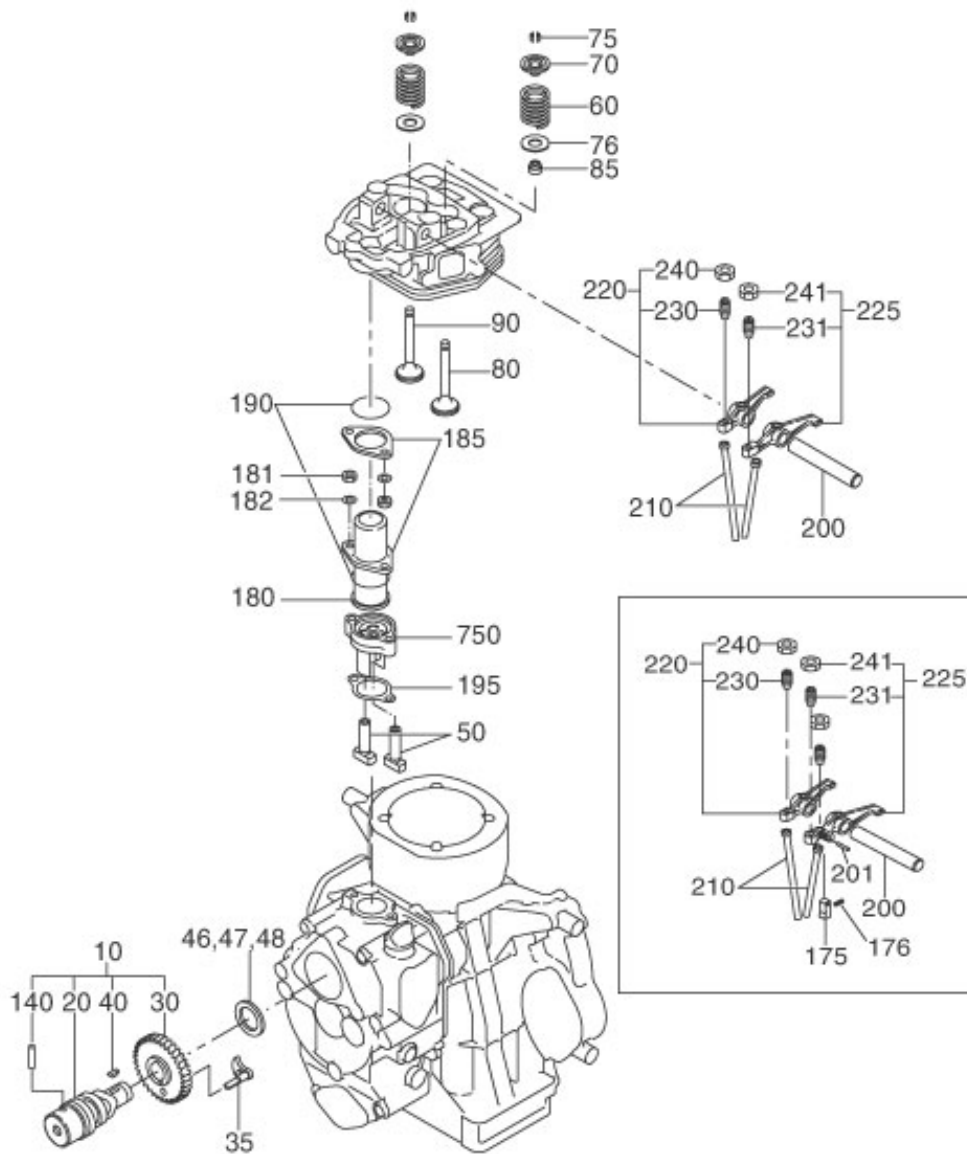
279020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20901-61	CRANK SHAFT CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: L=324 DU 25.4DX72.2L.
50	018-01800-10	FLANGE NUT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M18X1.5X31DX14H.
70	032-30300-10	WOODRUFF KEY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 3BX6HX16D.
80	207-26001-03	KEY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.3BX6.3HX40L.
310	279-22501-20	CONNECTING ROD AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 104.5CDX26B 34.5D-18. Interchangeable with 279-22501-30.
320	279-23001-03	CONNECTING ROD BOLT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M7X1.0X13.8DX40L.
350	279-23301-13	PISTON PIN	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 18DX13DX53L.
360	279-23401-H3	PISTON	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: STD (75DX43H).
361	279-23403-H3	PISTON	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.25 O.S.(75DX43H).
362	279-23404-H3	PISTON	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.50 O.S.(75DX43H).
370	279-23511-17	PISTON RING SET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: STD (75D) OIL EXPAND.
371	279-23512-17	PISTON RING SET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.25 O.S. OIL EXPAND.
372	277-23513-17	PISTON RING SET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.50 O.S. OIL EXPAND.
380	056-51800-10	CLIP	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 18.9DX1.6D.

300 Intake & Exhaust

FIG. 300



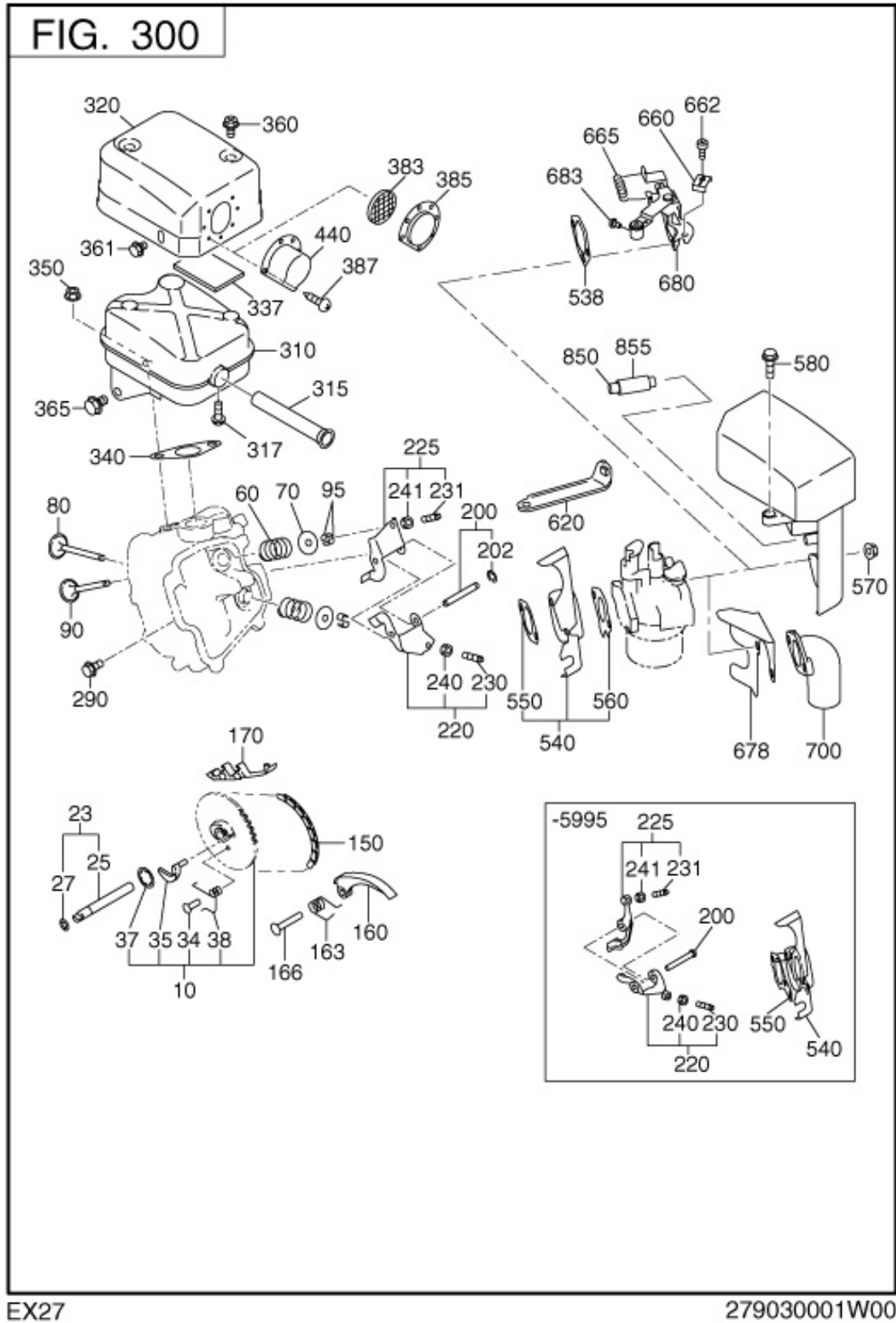
DY410

231030000W02

300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	228-31604-00	CAMSHAFT AY	1	
20	228-31604-01	CAMSHAFT CP	1	
30	228-33222-01	CAMSHAFT GEAR CP	1	
35	228-35561-03	RELEASE LEVER	1	
40	005-32042-01	WOODRUFF KEY	1	
46	023-02000-20	SPACER	1	Remarks: T=0.8.
47	023-02000-30	SPACER	1	Remarks: T=1.0.
48	023-02000-40	SPACER	1	Remarks: T=1.2.
50	228-33301-03	TAPPET	2	
60	228-33601-03	VALVE SPRING	2	
70	228-33701-03	SPRING RETAINER	2	
75	228-33801-03	RETAINER LOCK	4	
80	228-33401-13	INTAKE VALVE	1	
85	228-35003-03	VALVE STEM SEAL	1	
90	228-33501-03	EXHAUST VALVE	1	
180	231-35603-11	PUSH ROD SLEEVE	1	
181	002-18060-00	NUT	4	
182	003-20060-00	SPRING WASHER	4	Remarks: 6.1DX12.2DX1.5T.
185	228-35801-01	PLATE CP,PUSH ROD	2	
190	024-03200-70	O RING	2	
195	228-35025-03	GASKET(TAPPET GUIDE)	1	Start Code: 5539.
195	228-35013-03	GASKET(TAPPET GUIDE)	1	End Code: 5538.
200	228-35004-03	ROCKER SHAFT	1	
210	231-35005-03	PUSH ROD	2	
220	228-36201-01	EXHAUST ROCKERARM CP	1	
225	228-36401-01	INTAKE ROCKER ARM CP	1	Interchangeable with 228-36301-01.
230	014-90600-80	ADJUSTING SCREW	1	
231	014-90600-80	ADJUSTING SCREW	1	
240	017-00600-80	NUT	1	
241	017-00600-80	NUT	1	
750	228-35701-13	TAPPET GUIDE	1	Interchangeable with 228-35701-11.

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	279-31601-01	CAM SHAFT CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 93DX2.9B N=44.
25	277-35101-03	PIN(CAM SHAFT)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 9DX78.5L.
27	024-00600-10	O RING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 5.8DX9.6D.
34	277-38601-03	PIN(SPRING)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 4DX8DX9L.
35	279-36401-03	RELEASE LEVER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
37	277-36501-03	CLIP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 13.8DX20.3DX0.4T.
38	277-38701-03	RETURN SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 5.3DX0.6DX5.5L N=5.8.
60	279-33601-03	VALVE SPRING	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 19.2DX2.3DX27.4L.
70	269-33701-03	SPRING RETAINER	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
80	279-33401-H3	INTAKE VALVE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 28.5DX5.5DX67.8L.
90	279-33501-H3	EXHAUST VALVE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 26.5DX5.5DX67.8L.
95	132-10KA0-31	COLLET-VALVE	4.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
150	279-35601-11	TIMING CHAIN CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 100 LINK.
160	277-36911-03	TENTIONER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
163	277-37101-03	SPRING(TENTIONER)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 10DX1.8DX14L N=4.5.
166	277-36902-03	PIN(TENTIONER)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX13DX34L.
170	277-36913-13	CHAIN GUIDE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
200	277-35004-01	PIN(ROCKER) CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX46L.
202	003-13050-00	CLIP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

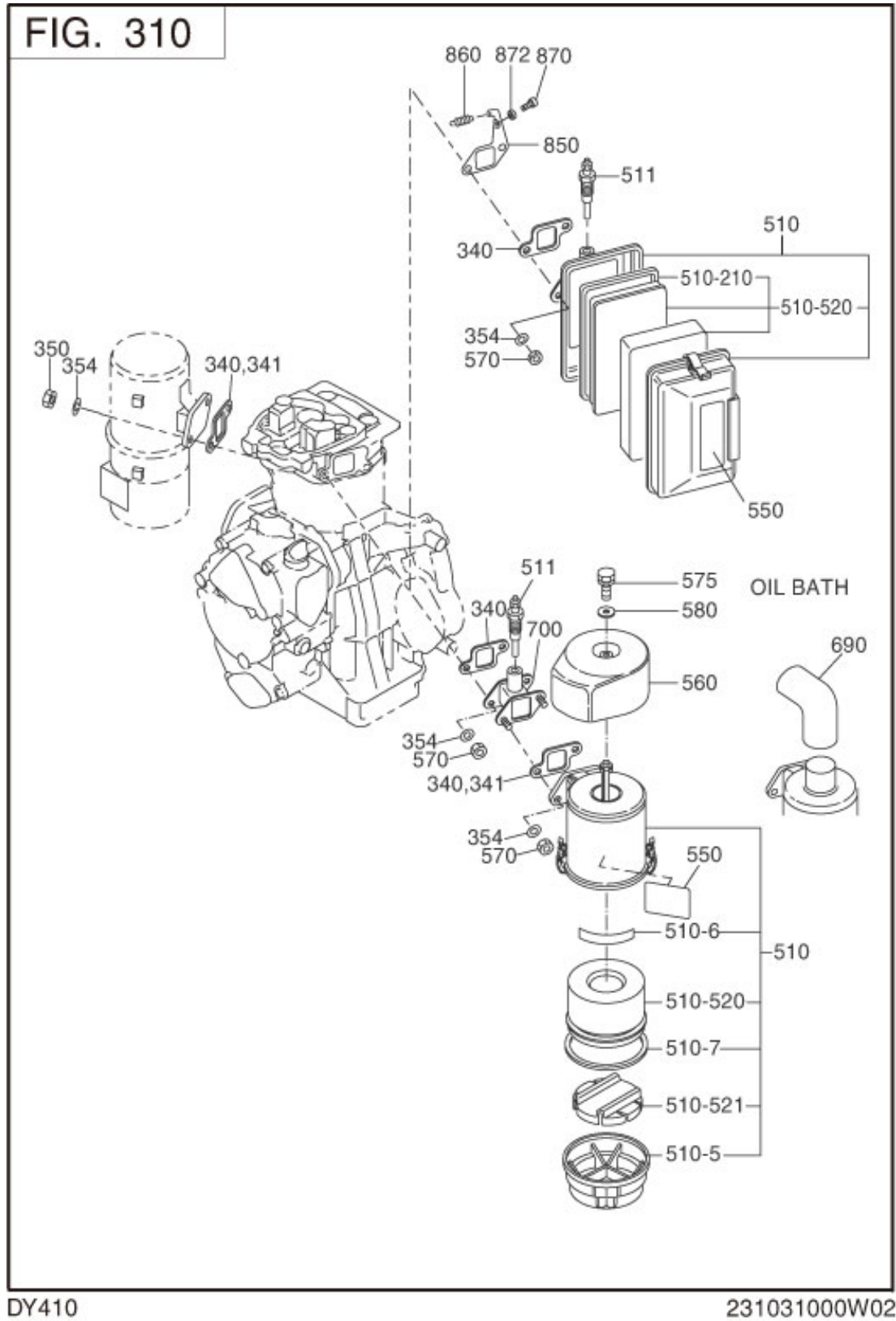
300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
220	277-36201-00	ROCKER ARM(IN) AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
225	277-36202-00	ROCKER ARM(EX) AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
230	014-90500-20	ADJUST SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.5X23L.
231	014-90500-20	ADJUST SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.5X23L.
240	017-00500-30	NUT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.5X4.1H.
241	017-00500-30	NUT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.5X4.1H.
290	011-00600-20	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX12L.
310	279-30111-K1	MUFFLER CP	1.00	End Code: 6971. Start Date: 1/1/2006 0:00:00. Start Date: 1/31/2006 0:00:00.
310	279-30111-L1	MUFFLER CP	1.00	Start Code: 6972. Start Date: 2/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
315	279-37601-01	SPARK ARRESTER CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
317	015-00400-60	TAPPING SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M4X6L.
320	279-34201-21	MUFFLER COVER CP	1.00	Start Code: 7031. Start Date: 4/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
320	279-34201-11	MUFFLER COVER CP	1.00	End Code: 7030. Start Date: 1/1/2006 0:00:00. Start Date: 3/31/2006 0:00:00.
340	277-35201-13	GASKET(MUFFLER)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: T=0.2 26D 9DX58P.
350	980-20082-80	FLANGE NUT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
360	015-20600-90	TAPPING BOLT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X13DX10L.
361	011-00600-10	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX8L.
365	011-00803-20	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X16DX12L.
387	015-00400-60	TAPPING SCREW	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M4X6L.

300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
440	277-37001-H1	DEFLECTOR CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/SCREEN.
540	279-32902-J1	INSULATOR CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/GASKET.
560	279-35902-J3	GASKET1(INSULATOR)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: T=0.5.
570	002-38060-00	FLANGE NUT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X13DX6H.
580	001-04062-00	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X13DX20L.

310 Intake & Exhaust



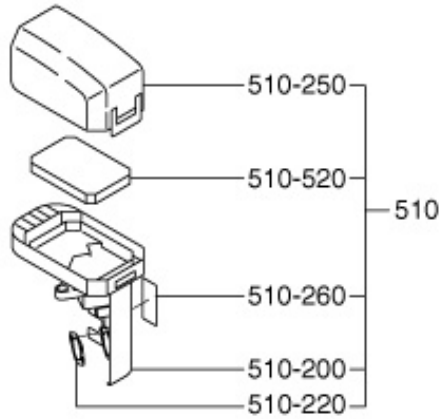
310 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
340	228-35023-03	GASKET(MUFFLER)	2	Start Code: 5539.
340	228-35006-03	GASKET(MUFFLER)	2	End Code: 5538.
350	017-00800-30	NUT	2	Start Code: 5661. Remarks: M8X1.25X6.5H.
350	002-19080-00	NUT	2	End Code: 5660.
354	003-20080-00	SPRING WASHER	4	Remarks: 8.2DX15.4DX2T.
510	231-32605-00	AIR CLEANER AY	1	Start Code: 6941.
510	231-32601-20	AIR CLEANER AY	1	Start Code: 4523. End Code: 6940.
510	231-32601-10	AIR CLEANER AY	1	Start Code: 4347. End Code: 4522.
510	231-32601-10	AIR CLEANER AY	1	End Code: 4346.
510	231-32701-08	OIL PAN CP	1	Start Code: 6941.
510	234-32712-08	OIL PAN CP	1	Start Code: 4523. End Code: 6940.
510	228-32710-08	OIL PAN	1	End Code: 4522.
510	228-32731-08	LABEL,AIR CLEANER	1	End Code: 4522.
510	228-32720-08	PACKIN	1	
510	228-32600-08	ELEMENT SET	1	
510	234-32612-08	ELEMENT	1	Start Code: 4523. End Code: 6940. Remarks: OIL BATH(MAN).
510	228-32601-08	ELEMENT	1	End Code: 4522. Interchangable with 228-32601-18.
550	228-92301-03	LABEL(AIR CLEANER)	1	Start Code: 6666.
550	228-92301-03	LABEL(AIR CLEANER)	1	End Code: 6665.
560	231-35009-03	CAP(AIR CLEANER)	1	Start Code: 4347.
560	231-35009-03	CAP(AIR CLEANER)	1	End Code: 4346.
570	002-18080-00	NUT	2	
575	980-05060-10	BOLT & WASHER AY	1	Start Code: 4347.
575	980-05060-10	BOLT & WASHER AY	1	End Code: 4346.
580	020-00600-20	WASHER	1	Start Code: 4347. Remarks: 6.5DX20DX1.6T.
580	020-00600-20	WASHER	1	End Code: 4346. Remarks: 6.5DX20DX1.6T.

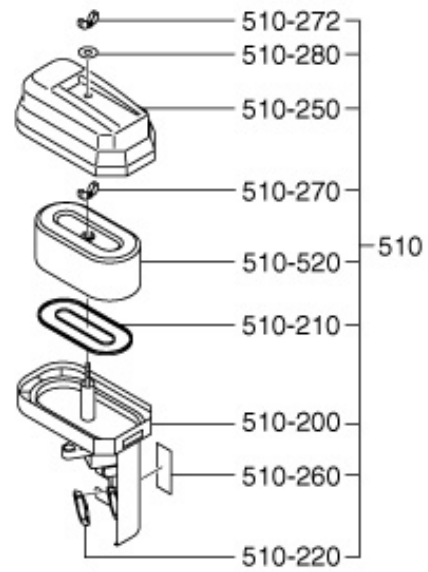
315 Intake & Exhaust

FIG. 315

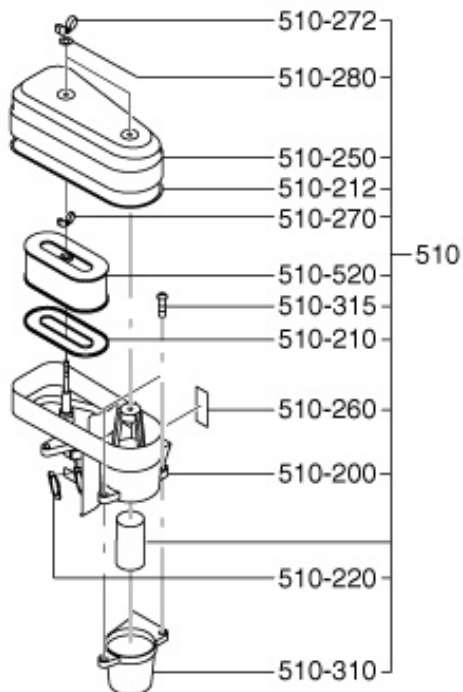
URETHANE FOAM



DUAL ELEMENT



PRE CLEANER



EX27

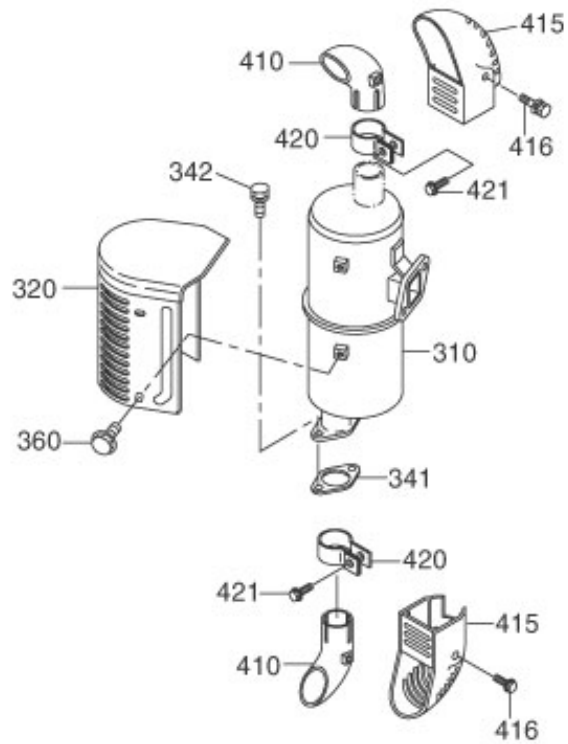
279031501W00

315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	279-32730-08	LABEL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32740-08	NUT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32607-07	ELEMENT SET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: DUAL.
510	279-32643-18	COVER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32650-08	GASKET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Interchangeable with 279-32650-18.
510	279-32615-30	AIR CLEANER AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: DUAL.
510	279-32634-28	ELBOW COMP,AIR/C	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32720-08	PACKING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

345 Intake & Exhaust

FIG. 345



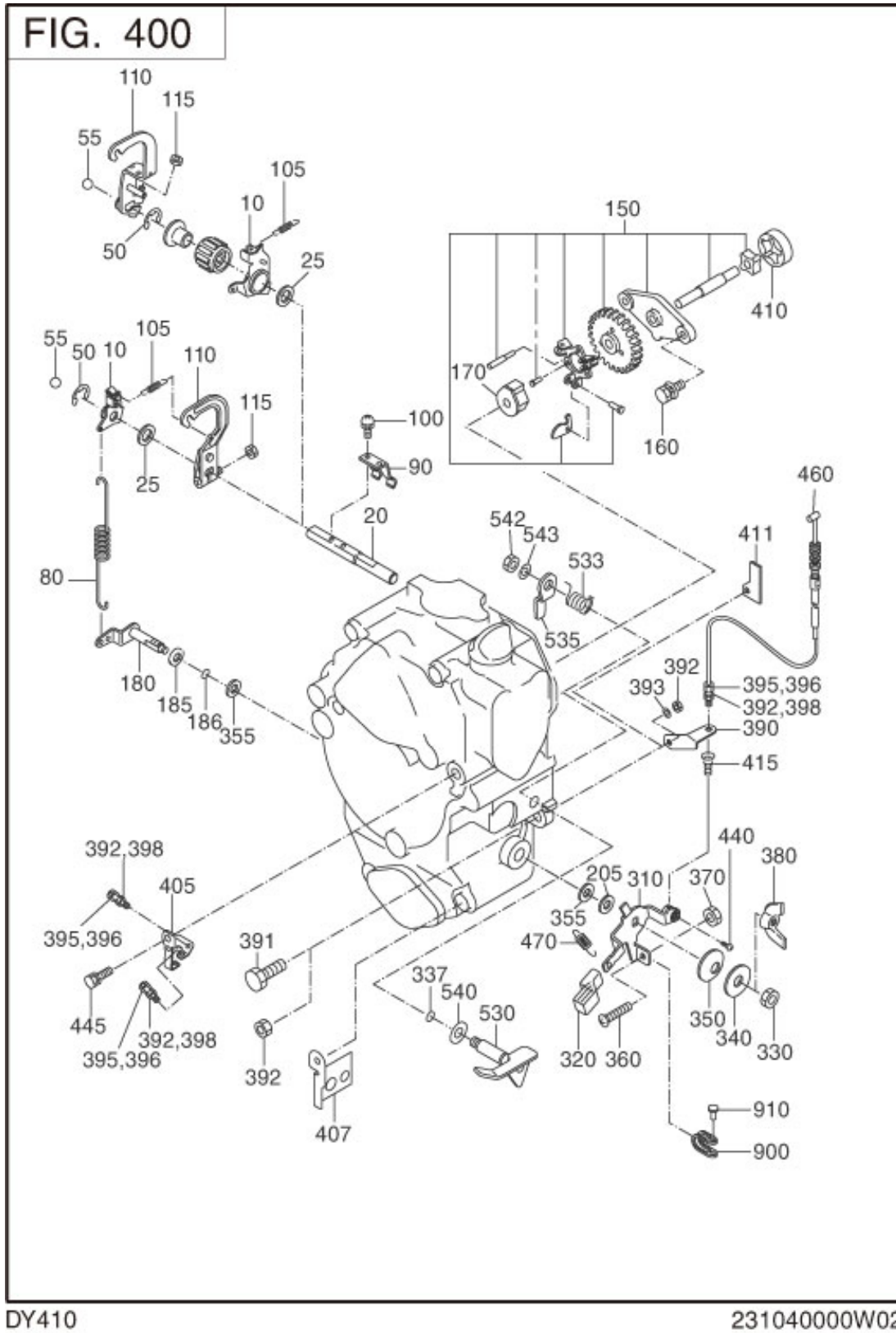
DY410

231034500W02

345 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
310	228-30105-01	MUFFLER CP	1	
320	228-34201-11	MUFFLER COVER CP	1	
360	011-00600-10	FLANGE BOLT	4	Remarks: M6X1.0X14DX8L.

400 Governor



400 Governor

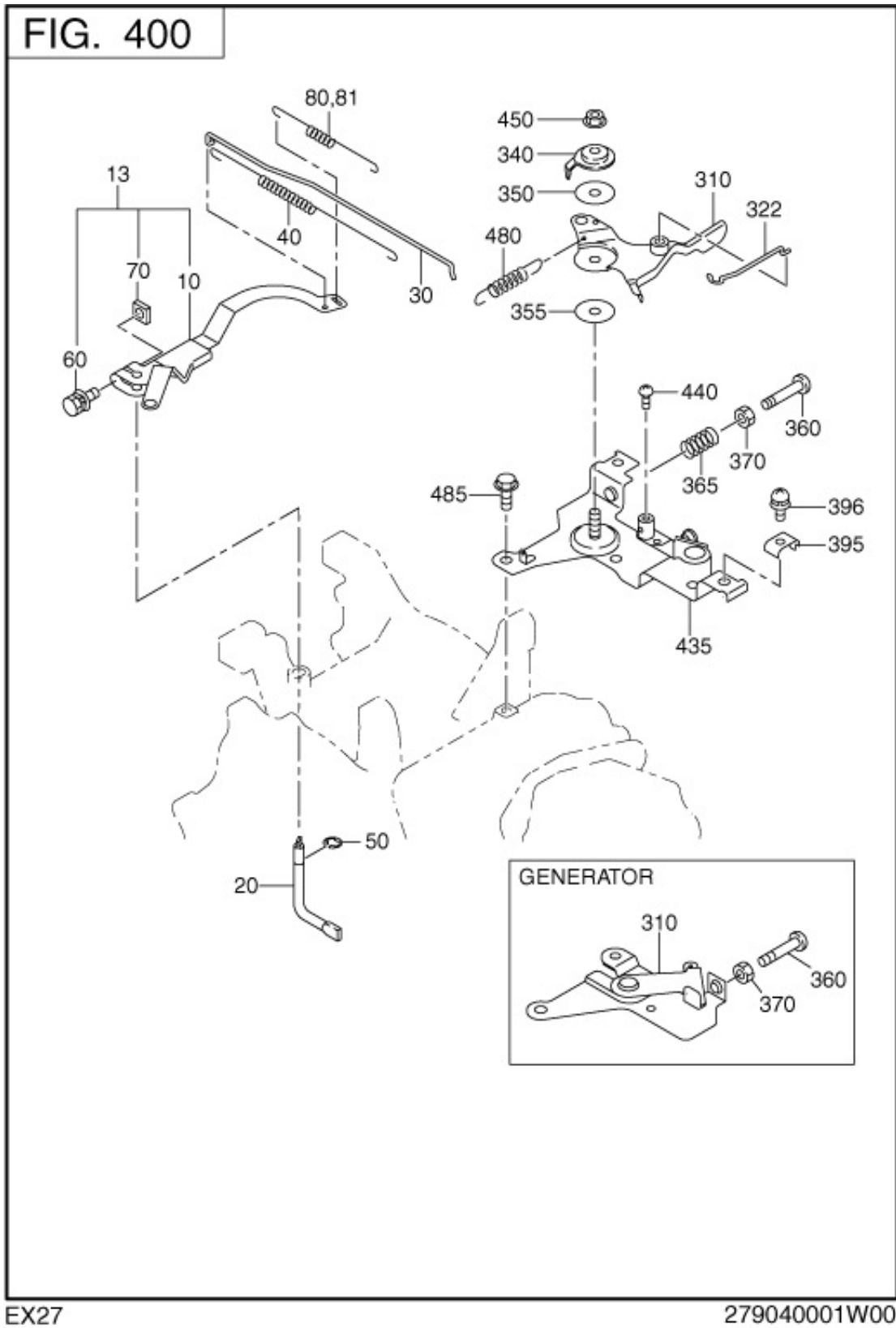
Ref	Part Number.	Description	Qty	Remark
10	228-42302-03	GOVERNOR LEVER 1	1	
20	228-42201-03	GOVERNOR SHAFT	1	
25	003-10100-00	WASHER	1	Remarks: 10.5DX18DX1.6T.
50	003-13080-00	CLIP	1	
55	045-00600-10	STEEL BALL	1	
80	228-42501-23	GOVERNOR SPRING	1	
90	228-42102-03	GOVERNOR YOKE	1	Start Code: 6210.
90	228-42101-23	GOVERNOR YOKE	1	End Code: 6209.
100	004-35051-20	SCREW AND WASHER AY	2	
105	228-45001-33	START SPRING	1	
110	228-42310-02	GOVERNOR LEVER 2 UN	1	
115	002-18060-00	NUT	2	
150	228-41701-30	GOVERNOR PLATE AY	1	
160	001-13062-00	BOLT AND WASHER AY	2	
170	228-41910-01	GOVERNOR SLEEVE CP	1	
180	228-42904-02	CONTROL LINK UN	1	
185	023-00800-10	SPACER	1	
186	006-26100-50	O RING	1	
310	231-43311-01	SPEED CONTROL 1 CP	1	
320	228-45003-03	KNOB	1	
337	006-26100-50	O RING	1	
340	020-00800-50	WASHER	1	Remarks: 8.5DX28DX2.3T.
350	020-00800-10	WASHER	1	Remarks: 8.5DX27DX0.4T.
355	021-70800-10	FRICTION WASHER	1	Remarks: 8.5DX16DX1.5T NYLON.
360	004-31063-50	SCREW,PANHEAD	1	Remarks: M6X1.0X35L.
370	002-18060-00	NUT	1	
380	017-90800-12	WING NUT	1	
390	228-44201-01	WIRE BRACKET 1	1	
391	001-65063-50	BOLT	1	Remarks: M6X1.0X35L.
392	002-18060-00	NUT	2	
393	003-20060-00	SPRING WASHER	1	Remarks: 6.1DX12.2DX1.5T.
395	014-90600-40	ADJUSTING SCREW	1	Remarks: M6X1.0X20L.
410	228-63902-03	OIL PUMP(OUTER)	1	
440	004-31051-20	SCREW,PANHEAD	1	Remarks: M5X0.8X12L.
470	228-46002-23	RETURN SPRING	1	
530	228-45711-01	STOP LEVER 2 CP	1	
533	228-46003-03	RETURN SPRING(STOP)	1	
535	228-45009-03	STOPPER	1	
540	023-00800-10	SPACER	1	

400 Governor

Ref	Part Number.	Description	Qty	Remark
542	002-18060-00	NUT	1	
543	003-20060-00	SPRING WASHER	1	Remarks: 6.1DX12.2DX1.5T.
900	228-45004-03	LOCK PLATE	1	
910	033-00500-10	RIVET	1	Remarks: 5DX7L.

This Page Intentionally Left Blank

400 Governor



400 Governor

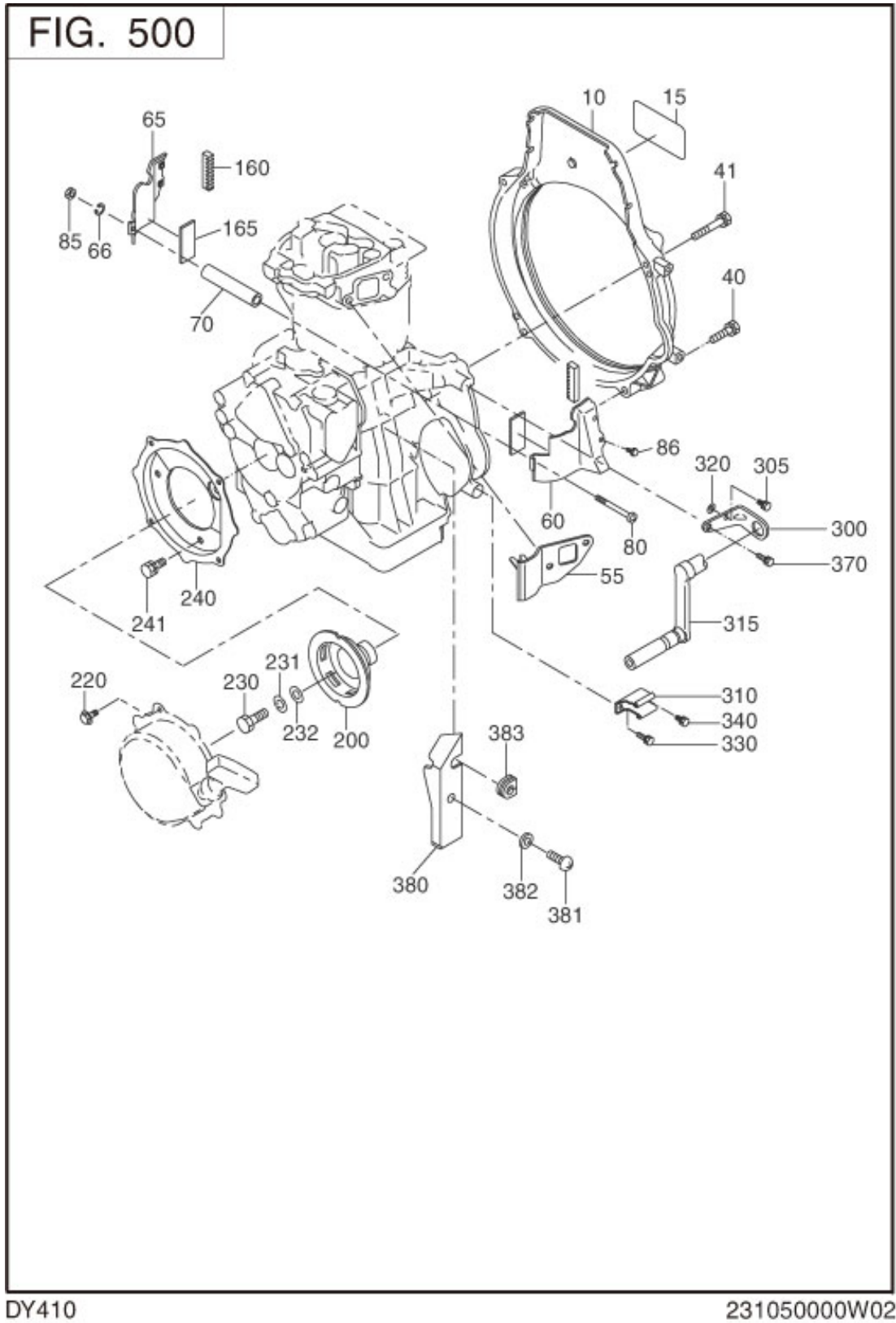
Ref	Part Number.	Description	Qty	Remark
10	279-42301-43	GOVERNOR LEVER	1.00	End Code: 6997. Start Date: 1/1/2006 0:00:00. Start Date: 2/26/2006 0:00:00.
10	279-42301-53	GOVERNOR LEVER	1.00	Start Code: 6998. Start Date: 2/27/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
20	277-42201-33	GOVERNOR SHAFT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
30	279-42701-11	GOVERNOR ROD CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
40	277-42801-23	ROD SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 7DX0.5DX182L N=16.
50	003-13050-00	CLIP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
60	013-00602-40	BOLT AND WASHER AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X25L W/TWO W.
70	018-60600-20	NUT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X4.9H SQUARE.
80	279-42502-63	GOVERNOR SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 7.5DX0.7DX115L N=19.
310	277-43303-01	SPEED CONT.LEVER CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/SWIVEL.
322	277-43701-01	LINK ROD CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
340	277-43502-03	STOP PLATE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
350	277-44501-03	WASHER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
355	021-70600-70	FRICTION WASHER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.5DX24DX0.8T NYLON.
360	004-31062-50	SCREW,PANHEAD	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X25L.
365	237-45004-23	SPRING (ADJUST)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.9DX0.9DX20L N=7.
395	277-43902-03	CLAMP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
396	013-10500-30	SCREW AND WASHER AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.8X20L W/W,SW.
435	277-46002-01	SPEED CONT.BRKT CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

400 Governor

Ref	Part Number.	Description	Qty	Remark
440	004-31040-80	SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
450	002-35060-00	SELF LOCK NUT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
480	267-45101-03	RETURN SPRING	1.00	End Code: 7030. Start Date: 1/1/2006 0:00:00. Start Date: 3/31/2006 0:00:00. Remarks: 7DX0.7DX28L N=15.
480	277-45103-03	RETURN SPRING	1.00	Start Code: 7031. Start Date: 4/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 7DX0.7DX28L N=15.
485	011-00600-20	FLANGE BOLT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX12L.

This Page Intentionally Left Blank

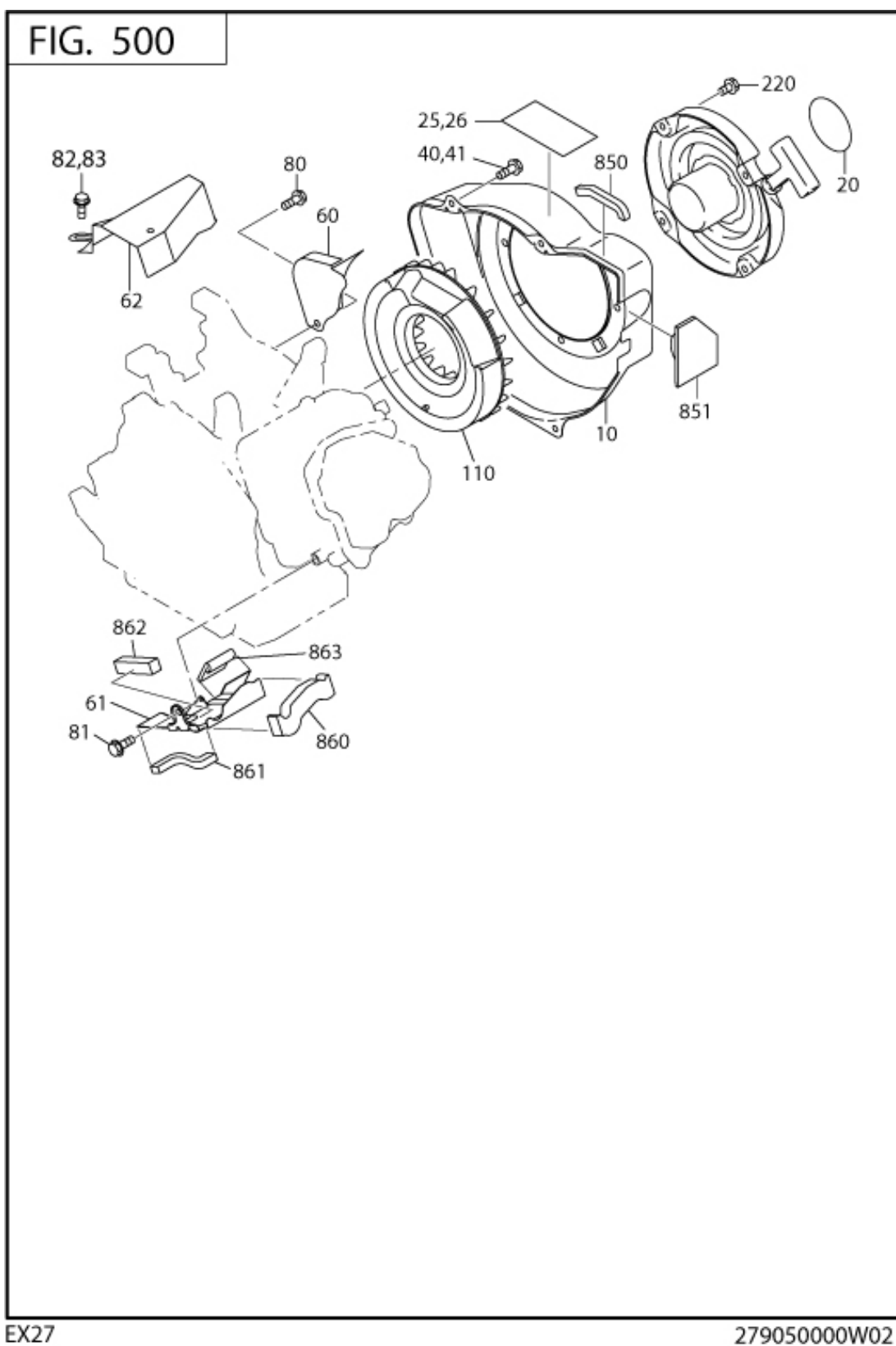
500 Cooling & Starting



500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
10	231-51201-23	BLOWER HOUSING	1	
40	001-13084-00	BOLT AND WASHER AY	2	Remarks: M8X1.25X40L W/SW.
41	001-13085-50	BOLT AND WASHER AY	2	Remarks: M8X1.25X55L W/SW.
55	229-52801-02	CYLINDER BAFFLE 3 UN	1	Start Code: 4347.
55	229-52801-02	CYLINDER BAFFLE 3 UN	1	End Code: 4346.
60	231-52601-12	CYLINDER BAFFLE 1 UN	1	
65	231-52701-12	CYLINDER BAFFLE 2 UN	1	
80	014-00500-40	SCREW(PAN HEAD)	1	
85	002-17050-00	NUT	1	Remarks: M5X0.8X4H.
86	011-00600-20	FLANGE BOLT	4	Remarks: M6X1.0X14DX12L.
200	228-54201-21	STARTING PULLEY CP	1	
220	011-00600-10	FLANGE BOLT	4	Remarks: M6X1.0X14DX8L.
230	001-66102-00	BOLT	1	
231	003-20100-00	SPRING WASHER	1	Remarks: 10.2DX18.4DX2.5T.
232	980-30110-70	WASHER(11.5X23X4)	1	Interchangable with 803011070.
240	228-55201-02	RECOIL COVER UN	1	
241	001-13082-00	BOLT AND WASHER AY	3	Remarks: M8X1.25X20L W/SW.
380	231-57011-01	DUST COVER 2	1	Start Code: 4340. End Code: 4346.
381	015-00600-10	TAPPING SCREW(PAN)	1	Start Code: 4340. End Code: 4346.
382	003-10060-00	WASHER	1	Start Code: 4340. End Code: 4346. Remarks: 6.5DX11.5DX0.8T.
383	024-10900-50	GROMMET	1	Start Code: 4340. End Code: 4346.

500 Cooling & Starting



EX27

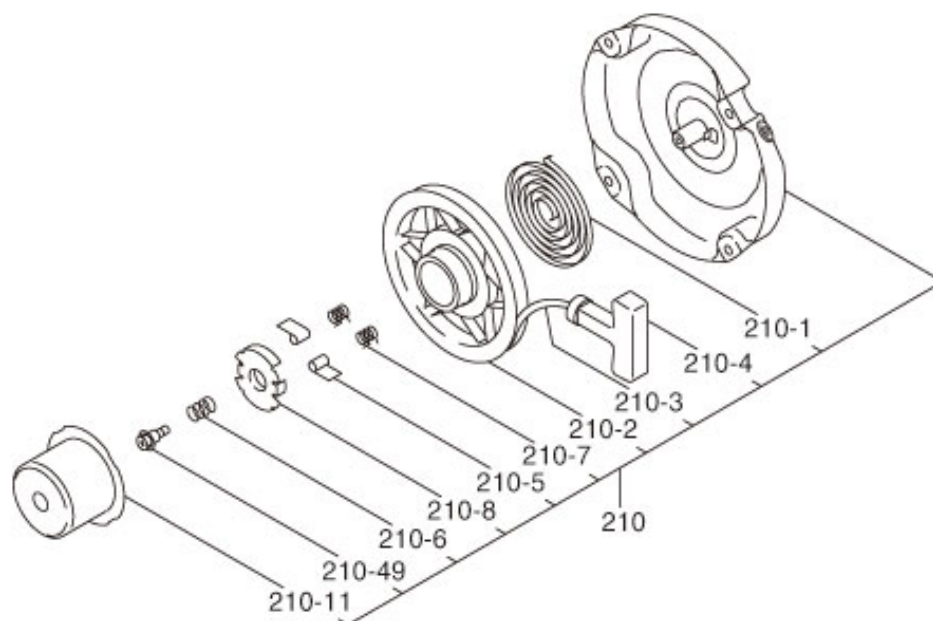
279050000W02

500 Cooling & Starting

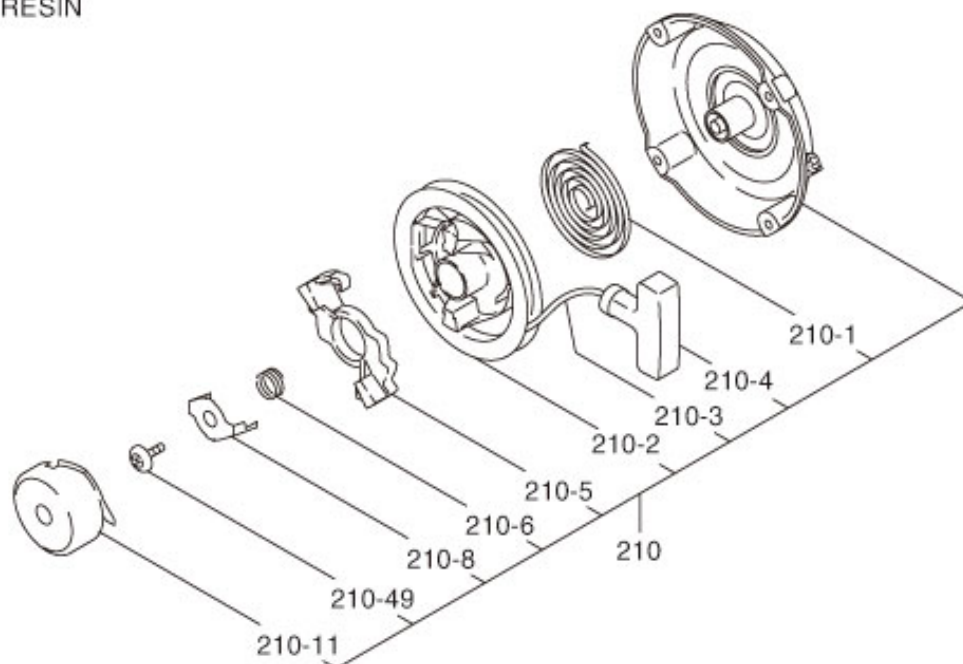
Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: BLACK.
20	073-20054-70	LABEL(TRADE MARK)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 60D.
40	011-00600-30	FLANGE BOLT	4.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX14L.
60	279-52711-11	BAFFLE 1(CASE) CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
61	279-52702-13	BAFFLE 2(HEAD)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
81	011-00600-20	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX12L.
220	011-00600-10	FLANGE BOLT	4.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX8L.

520 Cooling & Starting

FIG. 520



RESIN



EX27

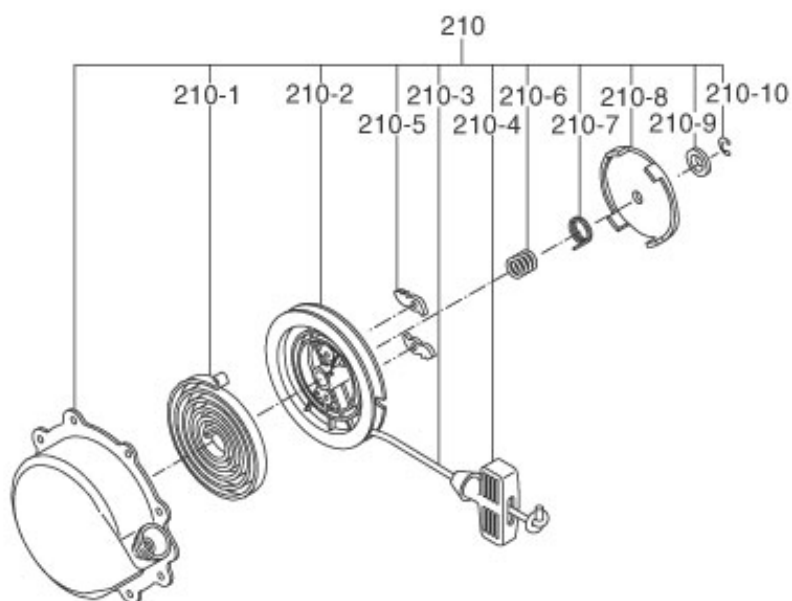
279052000W01

520 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
210	226-50752-08	RATCHET SPRING	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	226-50741-08	FRICTION PLATE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	279-50145-08	STARTER PULLEY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	226-50753-18	CENTER SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	279-50125-08	RACHET	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	279-50202-00	RECOIL STARTER AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 170PD.
210	226-50716-08	SPIRAL SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	226-50701-08	STARTER KNOB	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	279-50110-08	STARTER ROPE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	279-50120-08	REEL	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210	226-50731-08	FRICTION SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

550 Cooling & Starting

FIG. 550



DY410

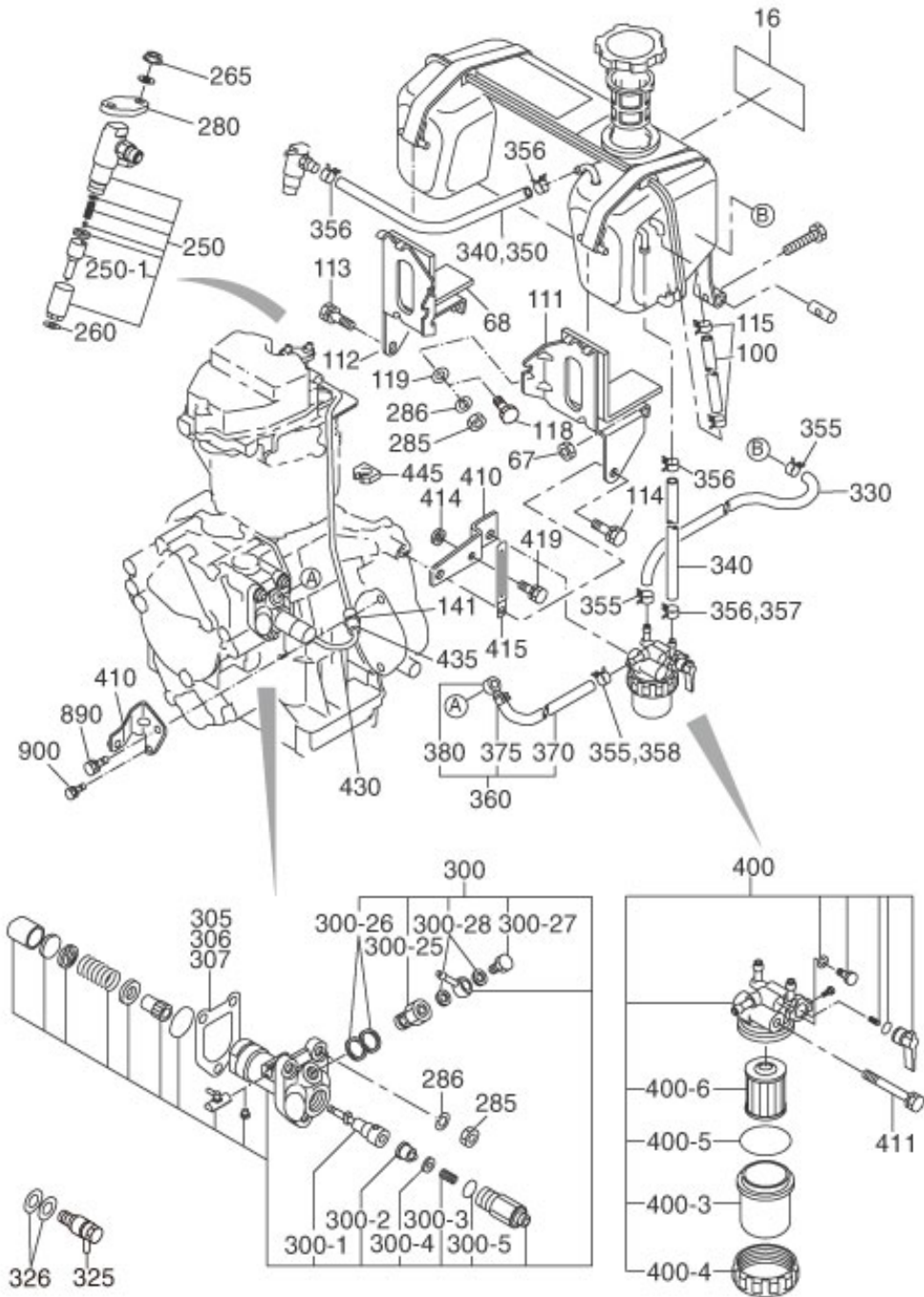
231055000W02

550 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
210	228-50101-00	RECOIL STARTER AY	1	
210	106-50116-08	SPIRAL SPRING	1	
210	107-50121-08	REEL CP	1	
210	228-50110-08	ROPE	1	
210	206-50101-08	STARTER KNOB	1	
210	106-50128-18	RATCHET	2	
210	106-50132-08	FRICTION SPRING	1	
210	106-50136-18	RETURN SPRING	1	
210	106-50144-08	FRICTION PLATE	1	
210	106-50185-08	THRUST WASHER	1	
210	106-50186-08	CLIP	1	

600 Fuel & Lubricant

FIG. 600



DY410

231060000W02

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
16	231-91701-03	LABEL(TRADE MARK)	1	
67	002-18060-00	NUT	2	
68	228-65002-03	FELT	2	
100	085-00500-40	VINYL PIPE	1	
111	231-61601-11	TANK BRACKET 1 CP	1	
112	231-61701-11	TANK BRACKET 2 CP	1	
113	001-13082-00	BOLT AND WASHER AY	2	Remarks: M8X1.25X20L W/SW.
115	056-10800-10	HOSE CLAMP	2	Remarks: 7.8DX6BX0.6T.
118	001-13081-80	BOLT AND WASHER AY	2	Remarks: M8X1.25X18L W/SW.
119	003-10080-00	WASHER	2	Remarks: 8.5DX16DX1.2T.
250	228-63201-10	NOZZLE AY	1	
250	228-63211-08	NOZZLE	1	
260	228-65004-03	GASKET(NOZZLE)	1	
265	002-38060-00	FLANGE NUT	2	Remarks: M6X1.0X13DX6H.
280	243-66001-01	BRACKET CP,NOZZLE 1	1	
285	002-18080-00	NUT	3	
286	003-20080-00	SPRING WASHER	3	Remarks: 8.2DX15.4DX2T.
300	228-63120-10	INJECTION PUMP AY	1	Start Code: 5845.
300	228-63120-00	INJECTION PUMP AY	1	End Code: 5844.
300	228-63102-08	PLUNGER AY	1	
300	228-63103-08	DELIVERY VALVE	1	
300	222-63104-08	SPRING DELIVERY VALV	1	
300	222-63105-08	GASKET	1	
300	228-63125-08	O-RING	1	Start Code: 5845.
300	228-63105-08	O RING	1	End Code: 5844.
305	228-65017-03	GASKET(INJ.PUMP)	1	Remarks: T=0.1.
306	228-65018-03	GASKET(INJ.PUMP)	1	Remarks: T=0.3.
307	228-65022-03	GASKET(INJ.PUMP)	1	Remarks: T=0.2.
325	228-66501-00	EYE BOLT AY	1	
326	228-66601-03	GASKET(PUMP)	2	
330	085-10604-90	RUBBER PIPE	1	Remarks: 6DX12DX260L. Interchangeable with 085-10600-00.
340	085-10408-30	RUBBER PIPE	1	Remarks: 4.5DX9DX90L. Interchangeable with 085-14500-00.
350	085-10408-80	RUBBER PIPE	1	Remarks: 4.5DX9DX260L. Interchangeable with 085-14500-00.
355	056-11100-20	HOSE CLAMP	3	Remarks: 11.5DX8BX0.7T.
356	056-10800-10	HOSE CLAMP	4	Remarks: 7.8DX6BX0.6T.
360	228-62610-01	FUEL PIPE 10 CP	1	

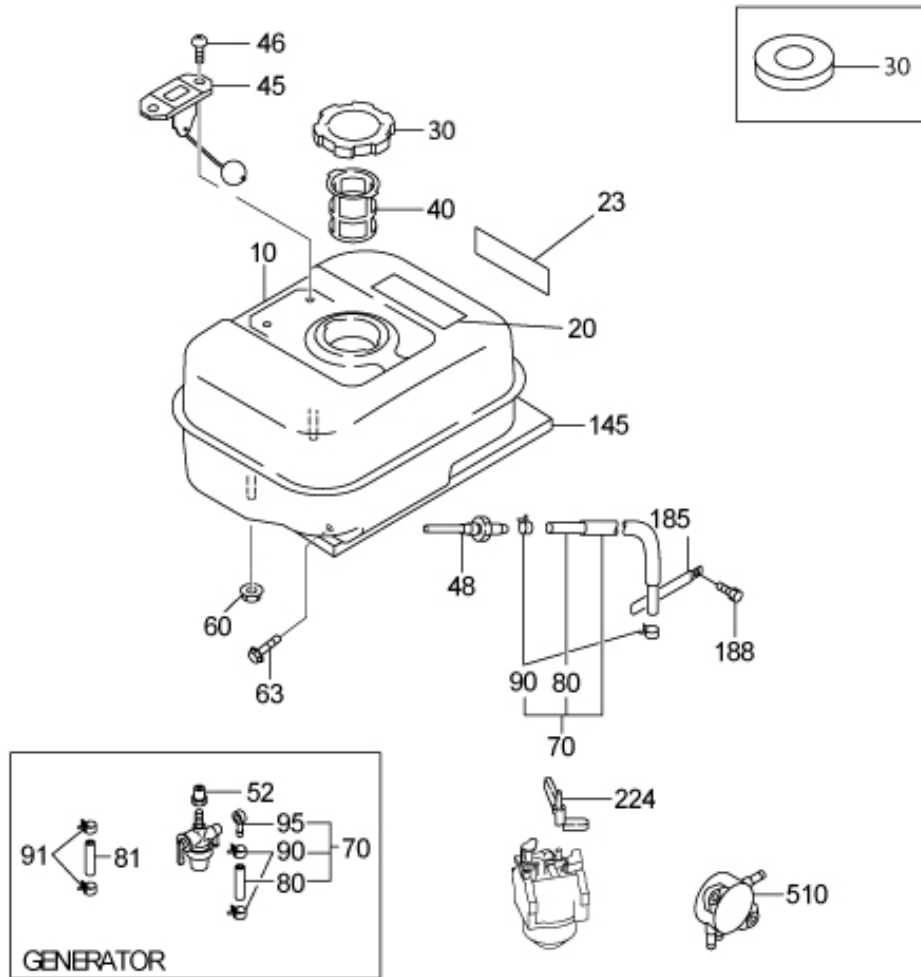
600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
370	085-10607-70	RUBBER PIPE	1	Start Code: 4340. Remarks: 6DX12DX340L. Interchangeable with 085-10600-00.
370	085-10607-70	RUBBER PIPE	1	End Code: 4339. Remarks: 6DX12DX340L. Interchangeable with 085-10600-00.
375	056-11100-20	HOSE CLAMP	1	Start Code: 4340. Remarks: 11.5DX8BX0.7T.
375	056-11100-20	HOSE CLAMP	1	End Code: 4339. Remarks: 11.5DX8BX0.7T.
380	052-10500-12	BANJO	1	Start Code: 4340.
380	052-10500-12	BANJO	1	End Code: 4339.
400	228-62106-10	FUEL FILTER AY	1	
400	243-62101-08	CUP	1	
400	228-62108-08	RING NUT	1	
400	228-62109-08	O RING	1	
400	228-62110-08	ELEMENT	1	
410	228-67602-01	FUEL F.BRACKET CP	1	
411	001-13086-50	BOLT AND WASHER AY	1	Remarks: M8X1.25X65L W/SW.
415	150-75201-03	CLAMP	1	
419	001-10061-00	BOLT AND WASHER AY	1	Remarks: M6X1.0X10L W/SW.
430	231-63301-01	INJECTION PIPE CP	1	
445	222-65006-03	GROMMET	1	
890	001-13082-00	BOLT AND WASHER AY	1	Remarks: M8X1.25X20L W/SW.
900	001-13061-80	BOLT AND WASHER AY	1	

This Page Intentionally Left Blank

600 Fuel & Lubricant

FIG. 600



EX27

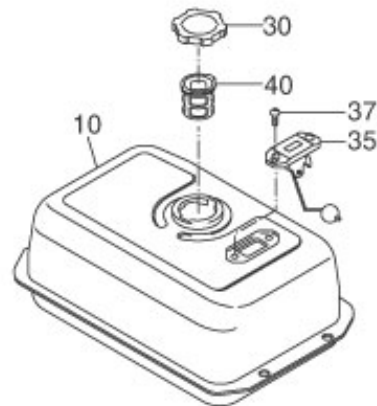
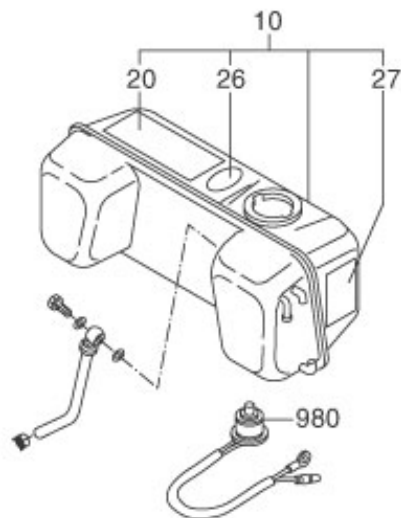
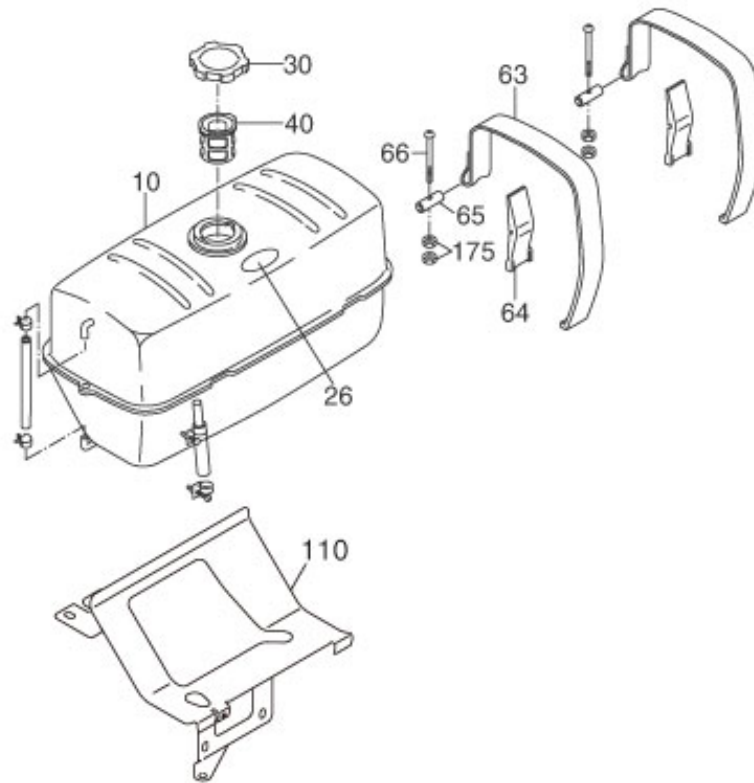
279060000W03

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.1L BLACK.
20	073-20051-81	LABEL(WARNING)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 42X104 ENGLISH.
23	279-95111-03	LABEL(MODEL)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 32X125.
30	043-04400-50	FUEL TANK CAP CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 43DX68DX14H BLACK.
40	X64-13600-10	FUEL FILTER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
48	050-51200-20	UNION	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M12X4DX78L W/FILTER.
60	002-38080-00	FLANGE NUT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X17DX7.5H.
63	011-00802-50	FLANGE BOLT	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M8X1.25X16DX25L.
70	279-62602-01	FUEL PIPE CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
80	X85-10615-80	RUBBER PIPE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
85	279-64502-H1	GLASS TUBE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
90	056-11100-50	HOSE CLAMP	2.00	Start Code: 6972. Start Date: 2/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
90	X56-11100-20	HOSE CLAMP	2.00	End Code: 6971. Start Date: 1/1/2006 0:00:00. Start Date: 1/31/2006 0:00:00. Remarks: 10.5DX8BX0.7T.
224	277-43801-01	CHOKE LEVER CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

615 Fuel & Lubricant

FIG. 615



DY410

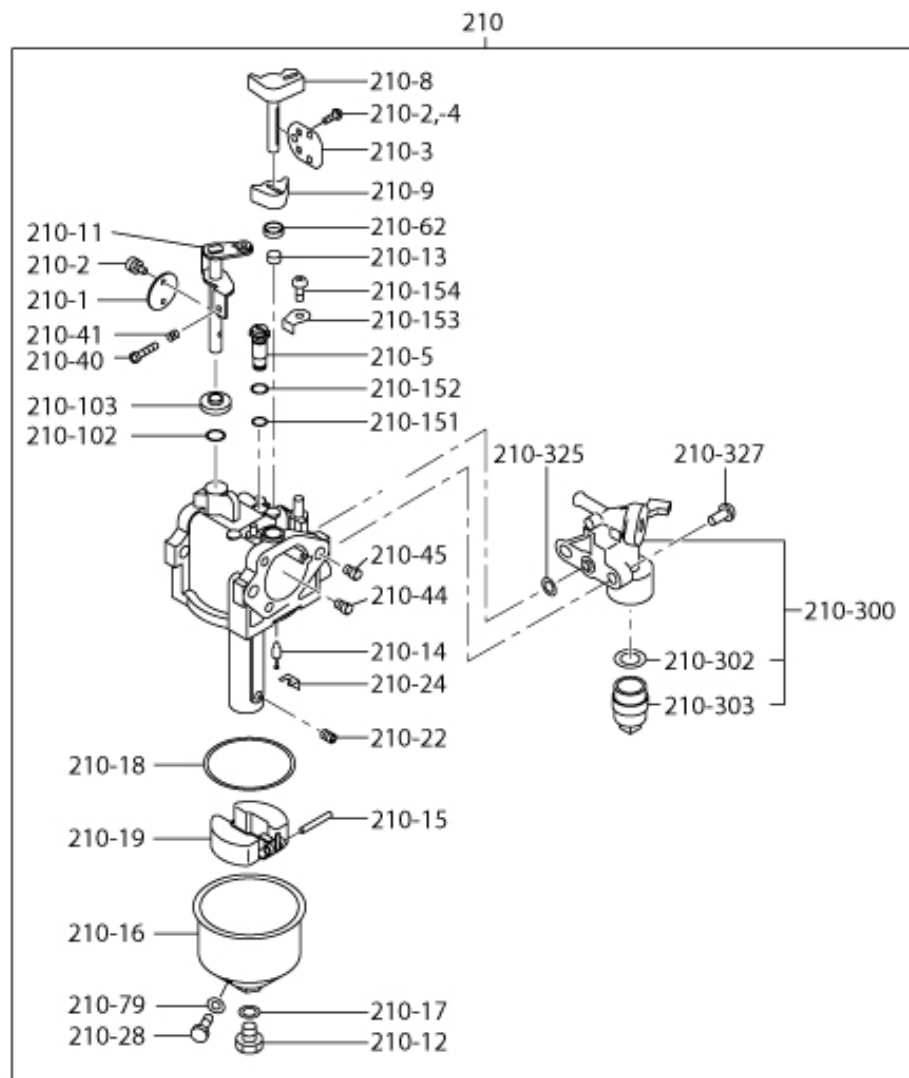
231061500W02

615 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	228-60101-41	FUEL TANK CP	1	
20	073-20047-60	LABEL(WARNING)	1	
30	043-04300-15	FUEL TANK CAP CP	1	Remarks: 42.5DX68DX14H.
40	064-13600-10	FUEL FILTER	1	Remarks: 36DX46DX43H.
63	228-65510-01	TANK BAND CP	2	
64	228-65001-13	BAND GUIDE	2	
65	228-65601-11	PIN CP,TANK BAND	2	
66	001-66064-50	BOLT	2	

640 Carburetor

FIG. 640



EX27

279064000W02

640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210-302	277-62110-18	PACKING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-300	279-62103-10	COCK BODY-A	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-152	279-62452-08	O-RING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-28	285-62551-08	DRAIN SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-11	279-62530-08	SHAFT SUB ASSY(TH)	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-12	251-62453-08	SCREW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-14	279-62500-08	VALVE ASSY NEEDLE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-15	279-62515-08	PIN FLOAT LEVER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-16	285-62550-08	FLOAT CHAMBER SUB AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-17	251-62350-08	GASKET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-18	279-62540-08	GASKET CHAMBER	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-22	279-62401-08	JET MAIN	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: #96.
210-40	279-62353-18	SCREW ADJUSTING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-41	279-62445-08	SPRING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-79	285-62552-08	GASKET	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-102	279-62561-08	BUSH	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-103	279-62562-08	COLLAR	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-151	279-62451-08	O-RING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-19	279-62505-08	FLOAT SUB ASSY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-0	279-62302-40	CARBURETOR AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-1	279-62535-08	VALVE THROTTLE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-2	251-62450-08	SCREW	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

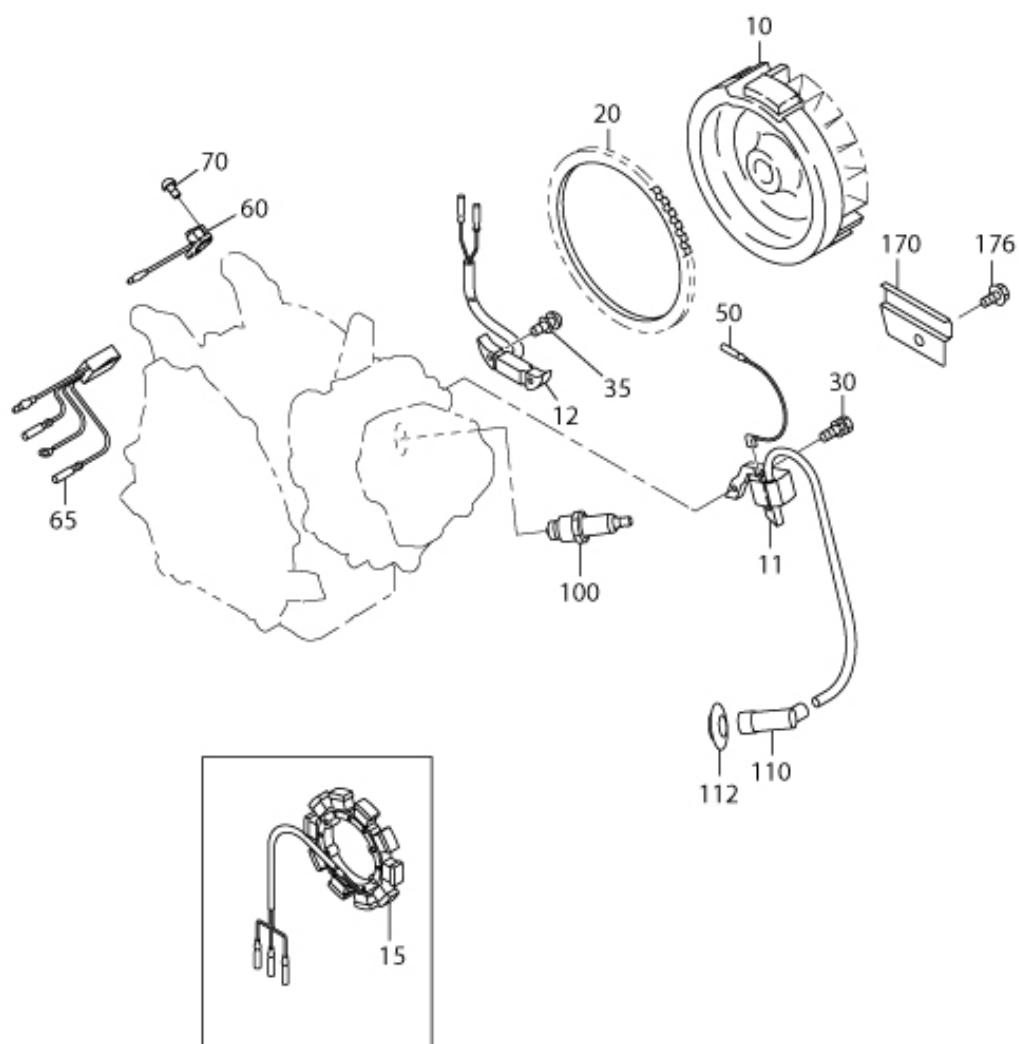
640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210-3	279-62525-08	VALVE CHOKE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-5	279-62420-08	JET SLOW	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: #40.
210-8	279-62520-08	SHAFT CHOKE	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-303	277-62100-18	CUP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-325	006-26100-61	O-RING	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-327	279-62585-08	SCREW	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

This Page Intentionally Left Blank

700 Electric Device

FIG. 700



EX27

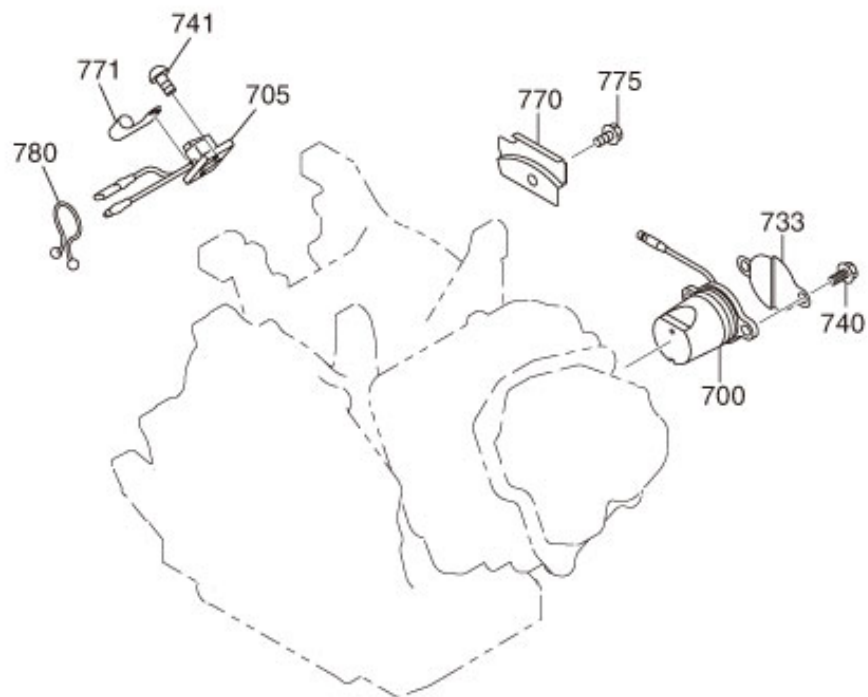
279070000W03

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79231-01	FLYWHEEL CP	1.00	Start Code: 7061. Start Date: 5/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
10	279-79230-11	FLYWHEEL CP	1.00	End Code: 7060. Start Date: 1/1/2006 0:00:00. Start Date: 4/30/2006 0:00:00. Remarks: MARK FA AP02.
11	279-79430-01	IGNITION COIL CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: MARK AB.
30	001-14062-50	BOLT AND WASHER AY	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X25L W/W,SW.
50	277-73102-H1	WIRE 2 CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: L=360 BLACK.
60	X66-00004-20	SWITCH AY	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
70	015-00400-90	TAPPING SCREW	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M4X12L.
100	065-01401-50	SPARK PLUG	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: NGK BR6HS.
110	065-50002-70	SPARK PLUG CAP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

770 Electric Device

FIG. 770



EX27

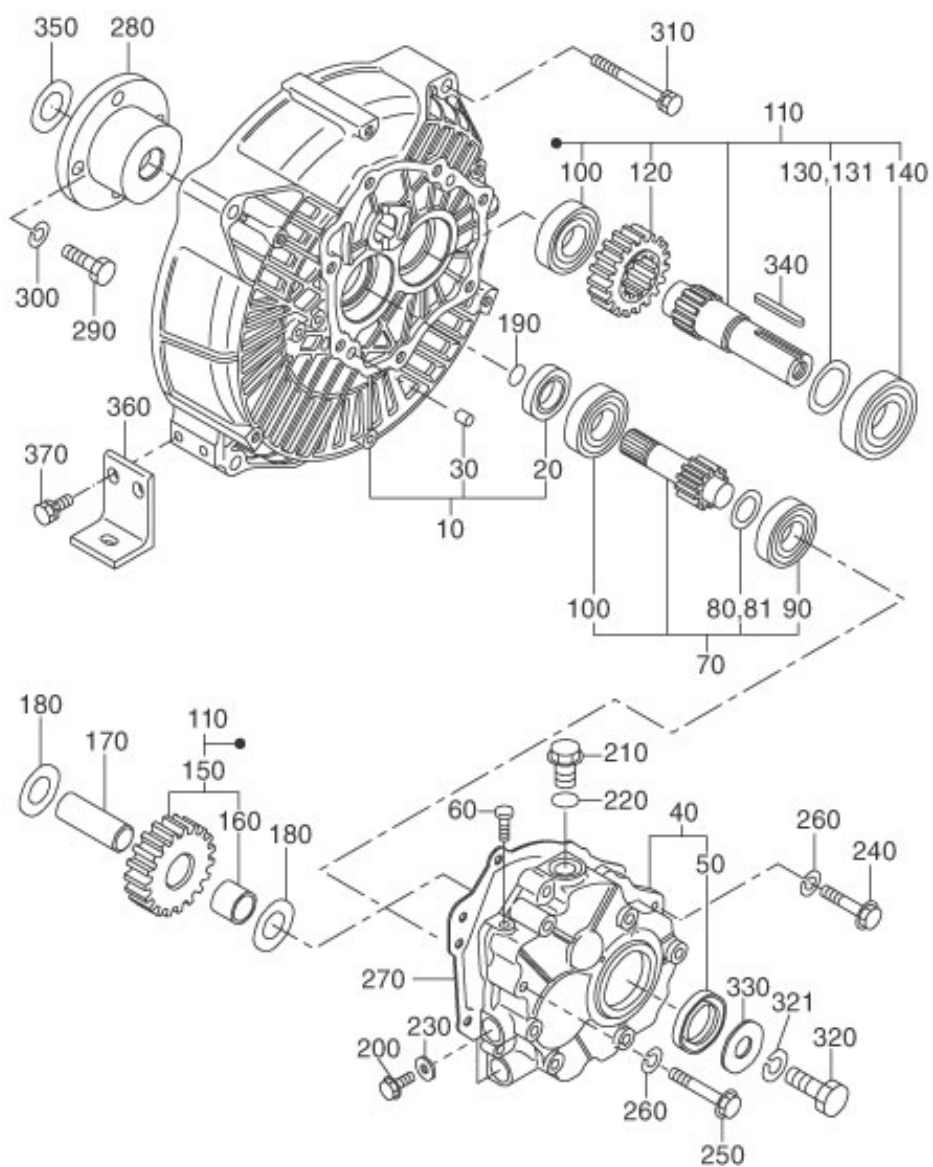
279077000W01

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-41	OIL SENSOR CP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
705	KU3-11043-11	FLOAT C/U CP3	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
740	001-14061-60	BOLT AND WASHER AY	2.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X16L W/W,SW.
741	011-00600-10	FLANGE BOLT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X14DX8L.
770	279-75501-13	WIRE CLAMP	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
775	015-20600-50	TAPPING BOLT	1.00	Start Code: 7061. Start Date: 5/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X13DX10L.
775	015-20600-50	TAPPING BOLT	1.00	End Code: 7060. Start Date: 1/1/2006 0:00:00. Start Date: 4/30/2006 0:00:00. Remarks: M6X13DX10L.

800 Reduction

FIG. 800



DY410

231080000W02

800 Reduction

Ref	Part Number.	Description	Qty	Remark
10	228-17710-08	ADAPTER CP,REDUCTION	1	
20	044-02500-70	OIL SEAL	1	Remarks: 25DX38DX7B. Interchangeable with 044-02500-10.
30	228-85001-08	PIN	2	
40	228-80601-18	GEAR CASE CP	1	
50	228-85002-08	OIL SEAL	1	
60	067-00701-00	AIR BREATHER	1	
70	228-86001-08	REDUCTION GEAR 1 CP	1	
80	228-85003-08	SHIM T=0.1	1	Remarks: T=0.1 SELECTIVE AY.
81	228-85004-08	SHIM T=0.29	1	Remarks: T=0.29 SELECTIVE AY.
90	060-02000-20	BALL BEARING	1	Remarks: BB6204C3.
100	060-02500-10	BALL BEARING	2	Remarks: 25DX52DX15B.
110	228-86003-18	DRIVING SHAFT CP	1	
120	228-86004-08	REDUCTION GEAR 2 CP	1	
130	228-85007-08	SHIM T=0.1	1	Remarks: T=0.1 SELECTIVE AY.
131	228-85008-08	SHIM T=0.29	1	Remarks: T=0.29 SELECTIVE AY.
140	060-03000-20	BALL BEARING	1	Remarks: 30DX62DX16B.
150	228-86007-08	IDOLER GEAR CP	1	
160	228-85010-08	BUSH	1	
170	228-86008-08	IDOLER SHAFT	1	
180	228-85012-08	WASHER	2	
190	228-85013-08	O RING	1	
200	228-85014-08	PLUG	2	
210	228-85015-08	PLUG	1	
220	021-11400-20	GASKET	1	Remarks: 14.1DX19DX2.3T.
230	003-70080-00	GASKET ALUMINUM	2	Interchangeable with 021-10800-40.
240	001-66084-00	BOLT	6	Interchangeable with 001-13084-00.
250	001-66085-00	BOLT	1	
260	003-20080-00	SPRING WASHER	11	Remarks: 8.2DX15.4DX2T.
270	228-85011-08	GASKET (GEAR CASE)	1	
280	228-24501-03	DRIVING COUPLING	1	
290	001-67103-00	BOLT	4	
300	003-20100-00	SPRING WASHER	5	Remarks: 10.2DX18.4DX2.5T.
310	001-13086-00	BOLT AND WASHER AY	4	Remarks: M8X1.25X60L W/SW.
320	010-01001-60	BOLT	1	
321	003-20100-00	SPRING WASHER	1	Remarks: 10.2DX18.4DX2.5T.
330	020-01000-10	WASHER	1	Remarks: 11DX35DX4.5T.
340	005-30073-51	KEY	1	Remarks: 7BX7HX35L.
350	228-85001-03	PACKING	1	

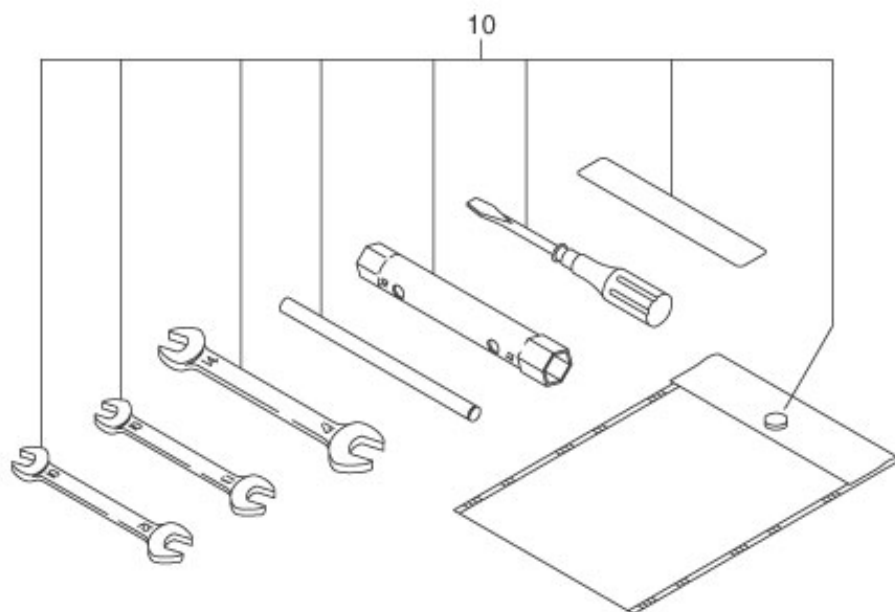
800 Reduction

Ref	Part Number.	Description	Qty	Remark
360	228-86002-01	ADAPTER SUPPORT	2	
370	001-13082-00	BOLT AND WASHER AY	4	Remarks: M8X1.25X20L W/SW.

This Page Intentionally Left Blank

900 Accessory

FIG. 900



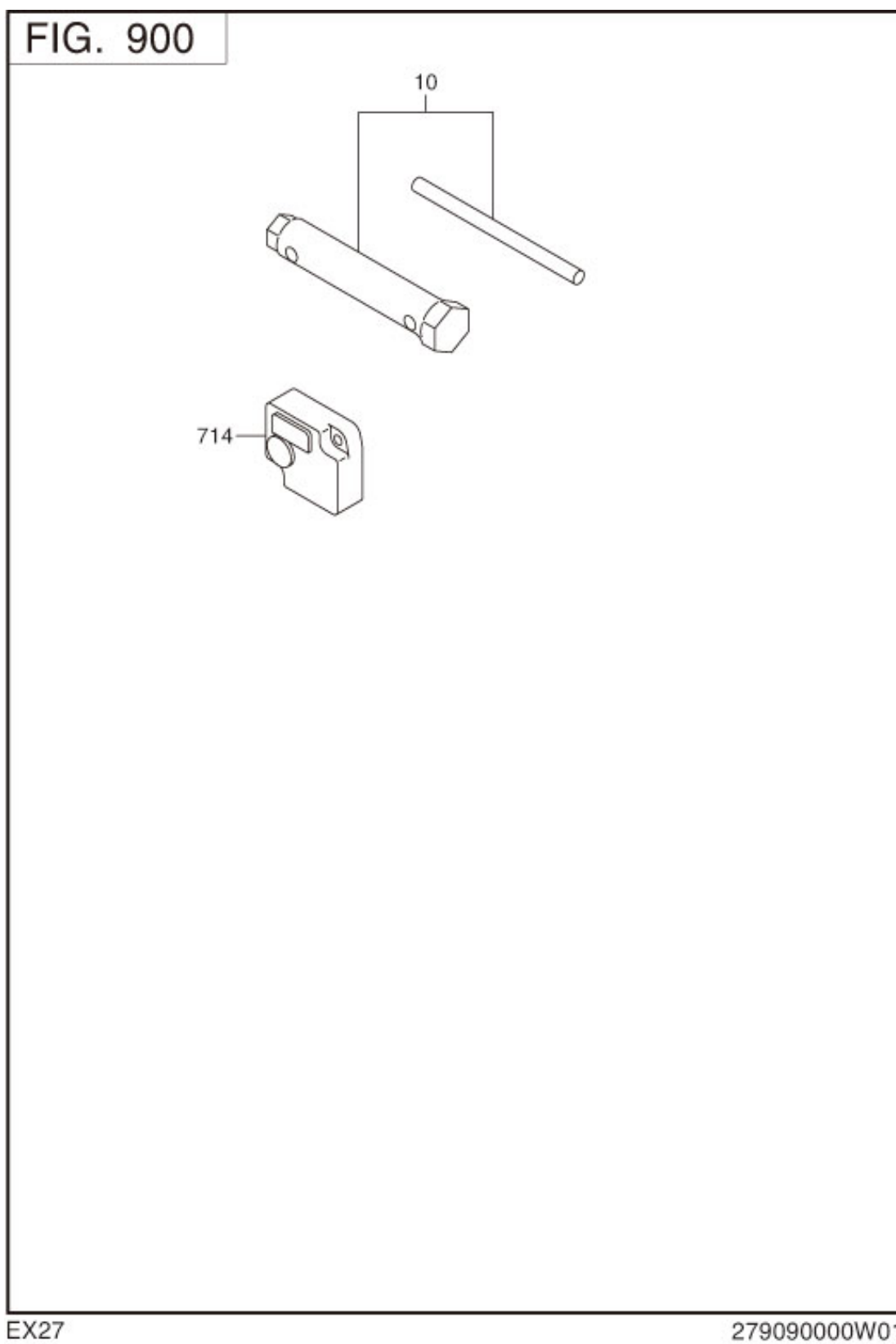
DY410

231090000W02

900 Accessory

Ref	Part Number.	Description	Qty	Remark
10	228-90301-10	ACCESSORY TOOLS KIT	1	

900 Accessory



900 Accessory

Ref	Part Number.	Description	Qty	Remark
10	277-90301-H0	ACCESSORY TOOL KIT	1.00	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

Part Number Index

The Part Number Index is a numeric index of all part numbers included in this manual. The index shows what page(s) the part is used on.

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
001-04062-00	27	013-00602-40	39	060-04000-30	17	228-33222-01	23
001-04083-50	12	013-10500-30	39	061-01500-10	17	228-33301-03	23
001-10061-00	52	014-00500-40	43	064-13600-10	57	228-33401-13	23
001-13061-80	52	014-90500-20	26	065-01401-50	63	228-33501-03	23
001-13062-00	35	014-90600-40	35	065-50002-70	63	228-33601-03	23
001-13064-00	15	014-90600-70	8	067-00701-00	67	228-33701-03	23
001-13081-80	51	014-90600-80	23	073-20045-40	8	228-33801-03	23
001-13082-00	7, 43, 51-52, 68	015-00400-60	26	073-20047-60	57	228-34201-11	33
001-13084-00	43	015-00400-90	63	073-20051-81	55	228-35003-03	23
001-13085-50	43	015-00600-10	43	073-20054-70	45	228-35004-03	23
001-13086-00	67	015-20600-50	65	085-00500-40	51	228-35006-03	29
001-13086-50	7, 52	015-20600-90	26	085-10408-30	51	228-35013-03	23
001-13088-50	7	017-00500-30	26	085-10408-80	51	228-35023-03	29
001-14061-60	65	017-00600-80	23	085-10604-90	51	228-35025-03	23
001-14062-50	63	017-00800-30	29	085-10607-70	52	228-35561-03	23
001-31062-51	15	017-32600-10	17	106-50116-08	49	228-35701-13	23
001-32064-50	7	017-90800-12	35	106-50128-18	49	228-35801-01	23
001-32083-51	7	018-01000-11	15	106-50132-08	49	228-36201-01	23
001-37082-01	15	018-01800-10	21	106-50136-18	49	228-36401-01	23
001-65063-50	35	018-60600-20	39	106-50144-08	49	228-41701-30	35
001-66064-50	57	020-00600-20	29	106-50185-08	49	228-41910-01	35
001-66084-00	67	020-00800-10	35	106-50186-08	49	228-42101-23	35
001-66085-00	67	020-00800-50	35	107-50121-08	49	228-42102-03	35
001-66102-00	43	020-01000-10	67	132-10KA0-31	25	228-42201-03	35
001-67103-00	67	020-52600-12	17	150-75201-03	52	228-42302-03	35
002-17050-00	43	021-11400-20	11, 67	206-50101-08	49	228-42310-02	35
002-18060-00	23, 35-36, 51	021-32000-10	7	207-26001-03	21	228-42501-23	35
002-18080-00	29, 51	021-32000-50	7, 12	212-15008-13	7	228-42904-02	35
002-19080-00	29	021-70600-70	39	222-63104-08	51	228-44201-01	35
002-35060-00	40	021-70800-10	35	222-63105-08	51	228-45001-33	35
002-38060-00	27, 51	023-00800-10	35	222-65006-03	52	228-45003-03	35
002-38080-00	55	023-02000-20	23	226-50701-08	47	228-45004-03	36
003-10060-00	43	023-02000-30	23	226-50716-08	47	228-45009-03	35
003-10080-00	51	023-02000-40	23	226-50731-08	47	228-45711-01	35
003-10100-00	35	024-00600-10	25	226-50741-08	47	228-46002-23	35
003-13050-00	25, 39	024-01300-10	15	226-50752-08	47	228-46003-03	35
003-13080-00	35	024-03000-10	7	226-50753-18	47	228-50101-00	49
003-14150-00	17	024-03200-70	23	228-14204-03	15	228-50110-08	49
003-20060-00	23, 35-36	024-10900-50	43	228-15002-03	7	228-54201-21	43
003-20080-00	29, 51, 67	031-00801-00	7	228-15003-13	7	228-55201-02	43
003-20100-00	43, 67	032-30300-10	21	228-15009-23	15	228-60101-41	57
003-70080-00	67	033-00500-10	36	228-15010-03	15	228-62106-10	52
003-70120-00	7	040-11200-30	7	228-15303-01	15	228-62108-08	52
004-31040-80	40	040-11400-30	11	228-15801-03	7	228-62109-08	52
004-31051-20	35	041-05000-11	7	228-15802-03	7	228-62110-08	52
004-31062-50	39	041-12200-10	8	228-15803-03	7	228-62610-01	51
004-31063-50	35	043-04300-15	57	228-17053-03	15	228-63102-08	51
004-35051-20	35	043-04400-50	55	228-17710-08	67	228-63103-08	51
005-19250-60	7	044-00600-20	11	228-22401-23	18	228-63105-08	51
005-26081-80	7	044-02200-50	7	228-22801-13	17	228-63120-00	51
005-30040-81	17	044-02500-70	67	228-22802-13	17	228-63120-10	51
005-30072-01	17	044-03001-60	11	228-22803-13	18	228-63125-08	51
005-30073-51	67	044-04000-20	7	228-23301-03	17	228-63201-10	51
005-32042-01	17, 23	045-00600-10	35	228-24101-03	17	228-63211-08	51
006-26100-50	35	050-51200-20	55	228-24101-13	17	228-63610-01	8
006-26100-61	60	052-10500-12	52	228-24501-03	67	228-63902-03	35
010-01001-60	67	056-10800-10	51	228-25002-03	7	228-64301-00	7
010-50601-50	15	056-11100-20	51-52	228-25004-03	7	228-65001-13	57
010-50604-10	11	056-11100-50	55	228-26001-01	7	228-65002-03	51
010-50802-50	11	056-51800-10	21	228-30105-01	33	228-65003-03	7
011-00600-10	26, 33, 43, 45, 65	056-52100-10	17	228-31604-00	23	228-65004-03	51
011-00600-20	12, 26, 40, 43, 45	060-02000-20	67	228-31604-01	23	228-65017-03	51
011-00600-30	45	060-02500-10	67	228-32600-08	29	228-65018-03	51
011-00802-40	12	060-03000-20	67	228-32601-08	29	228-65022-03	51
011-00802-50	55	060-03003-41	11	228-32710-08	29	228-65510-01	57
011-00803-10	12	060-03003-70	11	228-32720-08	29	228-65601-11	57
011-00803-20	26	060-03500-40	7	228-32731-08	29	228-66501-00	51

Part Number Index (continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
228-66601-03	51	231-91821-03	8	279-23511-17	21	980-20082-80	26
228-67602-01	52	231-99001-17	8	279-23512-17	21	980-30110-70	15, 43
228-80601-18	67	233-25002-03	17	279-30111-K1	26	KU3-11043-11	65
228-85001-03	67	234-32612-08	29	279-30111-L1	26	X56-11100-20	55
228-85001-08	67	234-32712-08	29	279-31601-01	25	X64-13600-10	55
228-85002-08	67	237-14202-03	11	279-32607-07	31	X66-00004-20	63
228-85003-08	67	237-45004-23	39	279-32615-30	31	X85-10615-80	55
228-85004-08	67	243-62101-08	52	279-32634-28	31		
228-85007-08	67	243-66001-01	51	279-32643-18	31		
228-85008-08	67	251-62350-08	59	279-32650-08	31		
228-85010-08	67	251-62450-08	59	279-32720-08	31		
228-85011-08	67	251-62453-08	59	279-32730-08	31		
228-85012-08	67	262-20202-01	17	279-32740-08	31		
228-85013-08	67	262-22502-10	17	279-32902-J1	27		
228-85014-08	67	262-22801-03	17	279-33401-H3	25		
228-85015-08	67	262-22802-03	17	279-33501-H3	25		
228-86001-08	67	262-22803-03	17	279-33601-03	25		
228-86002-01	68	262-23001-03	17	279-34201-11	26		
228-86003-18	67	262-23301-03	17	279-34201-21	26		
228-86004-08	67	262-23301-13	17	279-35601-11	25		
228-86007-08	67	262-23401-03	17	279-35902-J3	27		
228-86008-08	67	262-23401-H3	17	279-36401-03	25		
228-90301-10	71	267-45101-03	40	279-37601-01	26		
228-92301-03	29	269-33701-03	25	279-42301-43	39		
229-13110-21	15	277-15011-03	11-12	279-42301-53	39		
229-15011-03	15	277-15503-01	12	279-42502-63	39		
229-15012-13	15	277-16001-13	12	279-42701-11	39		
229-15013-13	15	277-16010-01	11	279-50110-08	47		
229-23501-27	17	277-23513-17	21	279-50120-08	47		
229-23502-27	17	277-35004-01	25	279-50125-08	47		
229-23503-27	17	277-35101-03	25	279-50145-08	47		
229-52801-02	43	277-35201-13	26	279-50202-00	47		
231-10108-11	7	277-36201-00	26	279-51202-01	45		
231-11501-21	7	277-36202-00	26	279-52702-13	45		
231-11601-03	8	277-36501-03	25	279-52711-11	45		
231-11702-01	7	277-36902-03	25	279-60102-11	55		
231-12401-02	15	277-36911-03	25	279-62103-10	59		
231-12401-12	15	277-36913-13	25	279-62302-40	59		
231-15004-03	8	277-37001-H1	27	279-62353-18	59		
231-15005-03	8	277-37101-03	25	279-62401-08	59		
231-15006-03	8	277-38601-03	25	279-62420-08	60		
231-15007-03	7	277-38701-03	25	279-62445-08	59		
231-15014-03	8	277-41901-03	12	279-62451-08	59		
231-15033-03	7	277-42201-33	39	279-62452-08	59		
231-15034-03	8	277-42801-23	39	279-62500-08	59		
231-16001-11	7	277-43303-01	39	279-62505-08	59		
231-16002-11	7	277-43502-03	39	279-62515-08	59		
231-22501-10	17	277-43701-01	39	279-62520-08	60		
231-23001-13	17	277-43801-01	55	279-62525-08	60		
231-23401-43	17	277-43902-03	39	279-62530-08	59		
231-23402-43	17	277-44501-03	39	279-62535-08	59		
231-23403-43	17	277-45004-J1	12	279-62540-08	59		
231-24202-03	17	277-45103-03	40	279-62561-08	59		
231-24301-11	17	277-46002-01	39	279-62562-08	59		
231-32601-10	29	277-62100-18	60	279-62585-08	60		
231-32601-20	29	277-62110-18	59	279-62602-01	55		
231-32605-00	29	277-73102-H1	63	279-63601-13	12		
231-32701-08	29	277-90301-H0	73	279-64502-H1	55		
231-35005-03	23	279-10102-81	11	279-75501-13	65		
231-35009-03	29	279-10102-91	11	279-76301-41	65		
231-35603-11	23	279-11002-11	11	279-79230-11	63		
231-43311-01	35	279-13001-21	12	279-79231-01	63		
231-51201-23	43	279-15001-33	12	279-79430-01	63		
231-52601-12	43	279-20901-61	21	279-95111-03	55		
231-52701-12	43	279-22501-20	21	279-99001-27	12		
231-57011-01	43	279-23001-03	21	285-62550-08	59		
231-61601-11	51	279-23301-13	21	285-62551-08	59		
231-61701-11	51	279-23401-H3	21	285-62552-08	59		
231-63301-01	52	279-23403-H3	21	941-34155-00	17		
231-91701-03	51	279-23404-H3	21	980-05060-10	7-8, 29		

Part Description Index

The Part Description Index is an alphabetical index of all part descriptions included in this manual. The index shows what page(s) the part is used on.

A

ACCESSORY TOOL KIT.....73
ACCESSORY TOOLS KIT.....71
ADAPTER CP,REDUCTION.....67
ADAPTER SUPPORT.....68
ADJUST SCREW.....26
ADJUSTING SCREW.....8, 23, 35
AIR BREATHER.....67
AIR CLEANER AY.....29, 31

B

BAFFLE 1(CASE) CP.....45
BAFFLE 2(HEAD).....45
BALANCER COVER CP.....7
BALANCER CP.....17
BALANCER GEAR 2.....17
BALANCER SHAFT.....17
BALL BEARING.....7, 11, 17, 67
BAND GUIDE.....57
BANJO.....52
BEARING HOUSING CP.....7
BLIND PLATE.....7
BLIND PLUG.....7-8
BLOWER HOUSING.....43
BLOWER HOUSING CP.....45
BOLT.....35, 43, 57, 67
BOLT & WASHER AY.....7-8, 29
BOLT AND WASHER AY.....7, 15, 35, 39, 43,
51-52, 63, 65, 67-68
BOLT(CON ROD).....17
BRACKET CP,NOZZLE 1.....51
BREATHING PLATE CP.....15
BUSH.....59, 67

C

CAM SHAFT CP.....25
CAMSHAFT AY.....23
CAMSHAFT CP.....23
CAMSHAFT GEAR CP.....23
CAP(AIR CLEANER).....29
CARBURETOR AY.....59
CENTER SCREW.....47
CHAIN GUIDE.....25
CHOKE LEVER CP.....55
CLAMP.....39, 52
CLIP.....21, 25, 35, 39, 49
COCK BODY-A.....59
COLLAR.....59
COLLET-VALVE.....25
CONNECTING ROD AY.....17, 21
CONNECTING ROD BOLT.....17, 21
CONTROL LINK UN.....35
COVER.....31
CRANK CASE CP.....11
CRANK SHAFT CP.....21
CRANKCASE CP.....7
CRANKSHAFT CP.....17
CRIP.....17

CUP.....52, 60
CYLINDER BAFFLE 1 UN.....43
CYLINDER BAFFLE 2 UN.....43
CYLINDER BAFFLE 3 UN.....43
CYLINDER HEAD CP.....12, 15
CYLINDER UN.....15

D

DEFLECTOR CP.....27
DELIVERY VALVE.....51
DOWEL PIN.....7
DRAIN SCREW.....59
DRIVING COUPLING.....67
DRIVING SHAFT CP.....67
DUST COVER 2.....43

E

ELBOW COMP,AIR/C.....31
ELEMENT.....29, 52
ELEMENT SET.....29, 31
EXHAUST ROCKERARM CP.....23
EXHAUST VALVE.....23, 25
EYE BOLT AY.....51

F

FELT.....51
FLANGE BOLT.....12, 26-27, 33, 40, 43, 45, 55,
65
FLANGE NUT.....15, 21, 26-27, 51, 55
FLOAT C/U CP.....65
FLOAT CHAMBER SUB AY.....59
FLOAT SUB ASSY.....59
FLYWHEEL.....18
FLYWHEEL CP.....63
FRICTION PLATE.....47, 49
FRICTION SPRING.....47, 49
FRICTION WASHER.....35, 39
FUEL F.BRACKET CP.....52
FUEL FILTER.....55, 57
FUEL FILTER AY.....52
FUEL PIPE 10 CP.....51
FUEL PIPE CP.....55
FUEL TANK CAP CP.....55, 57
FUEL TANK CP.....55, 57

G

GASKET.....7, 11-12, 31, 51, 59, 67
GASKET (GEAR CASE).....67
GASKET (HEAD).....12
GASKET ALUMINUM.....67
GASKET CHAMBER.....59
GASKET SET.....8, 12
GASKET(BALANCER COV).....7
GASKET(BREATHING).....15
GASKET(CASE COVER).....7
GASKET(INJ.PUMP).....51
GASKET(MUFFLER).....26, 29
GASKET(NOZZLE).....51

GASKET(OIL PAN).....8
GASKET(PUMP).....51
GASKET(ROCKER COVER).....12, 15
GASKET(TAPPET GUIDE).....23
GASKET,ALUMINUM.....7
GASKET,BEAR.HOUSING.....8
GASKET1(INSULATOR).....27
GEAR CASE COVER CP.....7
GEAR CASE CP.....67
GLASS TUBE.....55
GOVERNOR GEAR CP.....12
GOVERNOR LEVER.....39
GOVERNOR LEVER 1.....35
GOVERNOR LEVER 2 UN.....35
GOVERNOR PLATE AY.....35
GOVERNOR ROD CP.....39
GOVERNOR SHAFT.....35, 39
GOVERNOR SLEEVE.....12
GOVERNOR SLEEVE CP.....35
GOVERNOR SPRING.....35, 39
GOVERNOR YOKE.....35
GROMMET.....43, 52

H

HOSE CLAMP.....51-52, 55

I

IDLER GEAR CP.....67
IDLER SHAFT.....67
IGNITION COIL CP.....63
INJECTION PIPE CP.....52
INJECTION PUMP AY.....51
INSULATOR CP.....27
INTAKE ROCKER ARM CP.....23
INTAKE VALVE.....23, 25

J

JET MAIN.....59
JET SLOW.....60

K

KEY.....17, 21, 67
KNOB.....35

L

LABEL.....31
LABEL(AIR CLEANER).....29
LABEL(ENGINE NAME).....8
LABEL(MODEL).....55
LABEL(OPERATION).....8
LABEL(TRADE MARK).....45, 51
LABEL(WARNING).....55, 57
LABEL,AIR CLEANER.....29
LARGE END BEARING.....17-18
LINK ROD CP.....39
LOCK NUT.....17
LOCK PLATE.....36

Part Description Index (continued)

LOCK WASHER.....17

M

MAIN BEARING.....7
MAIN BEARING COVER C.....11
MUFFLER COVER CP.....26, 33
MUFFLER CP.....26, 33

N

NEEDLE BEARING.....17
NOZZLE.....51
NOZZLE AY.....51
NUT.....23, 26, 29, 31, 35–36, 39, 43, 51
NUT(CONNECTING ROD).....17

O

O RING.....7, 15, 23, 25, 35, 51–52, 67
O RING(CYLINDER).....15
O RING, BEAR. HOUSING.....8
O-RING.....51, 59–60
OIL FILTER AY.....7
OIL GAUGE.....12
OIL GAUGE CP.....8
OIL PAN.....8, 29
OIL PAN CP.....29
OIL PUMP(OUTER).....35
OIL SEAL.....7, 11, 67
OIL SENSOR CP.....65

P

PACKIN.....29
PACKING.....31, 59, 67
PIN.....67
PIN CP, TANK BAND.....57
PIN FLOAT LEVER.....59
PIN(CAM SHAFT).....25
PIN(ROCKER) CP.....25
PIN(SPRING).....25
PIN(TENTIONER).....25
PIPE KNOCK.....7, 11–12
PISTON.....17, 21
PISTON PIN.....17, 21
PISTON RING SET.....17, 21
PLATE CP, PUSH ROD.....23
PLUG.....7, 11, 67
PLUNGER AY.....51
PUSH ROD.....23
PUSH ROD SLEEVE.....23

R

RACHET.....47
RATCHET.....49
RATCHET SPRING.....47
RECOIL COVER UN.....43
RECOIL STARTER AY.....47, 49
REDUCTION GEAR 1 CP.....67
REDUCTION GEAR 2 CP.....67
REEL.....47
REEL CP.....49
RELEASE LEVER.....23, 25
RETAINER LOCK.....23

RETURN SPRING.....25, 35, 40, 49
RETURN SPRING(STOP).....35
RING NUT.....52
RIVET.....36
ROCKER ARM(EX) AY.....26
ROCKER ARM(IN) AY.....26
ROCKER COVER.....15
ROCKER COVER CP.....12
ROCKER SHAFT.....23
ROD SPRING.....39
ROPE.....49
RUBBER PIPE.....51–52, 55

S

SCREW.....40, 59–60
SCREW ADJUSTING.....59
SCREW AND WASHER AY.....35, 39
SCREW(PAN HEAD).....43
SCREW, PANHEAD.....35, 39
SELF LOCK NUT.....40
SHAFT CHOKE.....60
SHAFT SUB ASSY(TH).....59
SHIM T=0.1.....67
SHIM T=0.29.....67
SLEEVE(BALANCER).....7
SNAPRING(INNER).....17
SPACER.....23, 35
SPACER, CYLINDER.....15
SPARK ARRESTER CP.....26
SPARK PLUG.....63
SPARK PLUG CAP.....63
SPEED CONT. BRKT CP.....39
SPEED CONT. LEVER CP.....39
SPEED CONTROL 1 CP.....35
SPIRAL SPRING.....47, 49
SPRING.....59
SPRING (ADJUST).....39
SPRING DELIVERY VALV.....51
SPRING PIN.....7
SPRING RETAINER.....23, 25
SPRING WASHER.....23, 29, 35–36, 43, 51, 67
SPRING(TENTIONER).....25
START SPRING.....35
STARTER KNOB.....47, 49
STARTER PULLEY.....47
STARTER ROPE.....47
STARTING PULLEY CP.....43
STEEL BALL.....35
STEM SEAL.....11
STOP LEVER 2 CP.....35
STOP PLATE.....39
STOPPER.....35
STUD.....7, 11, 15
SWITCH AY.....63

T

TANK BAND CP.....57
TANK BRACKET 1 CP.....51
TANK BRACKET 2 CP.....51
TAPPET.....23
TAPPET GUIDE.....23
TAPPING BOLT.....26, 65
TAPPING SCREW.....26, 63

TAPPING SCREW(PAN).....43
TENSION BOLT 1 CP.....7
TENSION BOLT 2 CP.....7
TENTIONER.....25
THRUST BEARING.....7
THRUST WASHER.....49
TIMING CHAIN CP.....25

U

UNION.....55

V

VALVE ASSY NEEDLE.....59
VALVE CHOKE.....60
VALVE GUIDE.....11, 15
VALVE SPRING.....23, 25
VALVE STEM SEAL.....23
VALVE THROTTLE.....59
VINYL PIPE.....51

W

WASHER.....29, 35, 39, 43, 51, 67
WASHER(11.5X23X4).....15, 43
WING NUT.....35
WIRE 2 CP.....63
WIRE BRACKET 1.....35
WIRE CLAMP.....65
WOODRUFF KEY.....17, 21, 23

PRINTED IN THE USA

Subaru Industrial Power Products

905 Telser Road - Lake Zurich, IL 60047

Phone 847-540-7300 - Fax 847-438-5012

e-mail: sales@subarupower.com - www.subarupower.com