

7109392 GX390

Engine Breakdown



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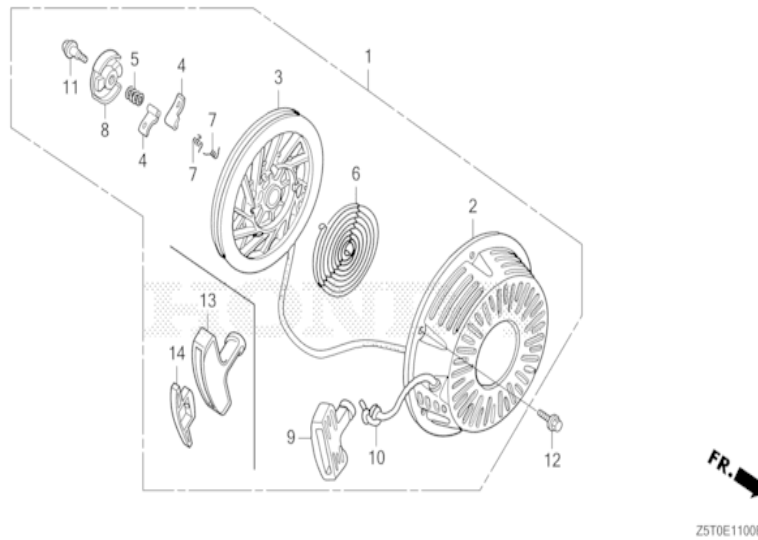
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GX390RT2(QNGN)

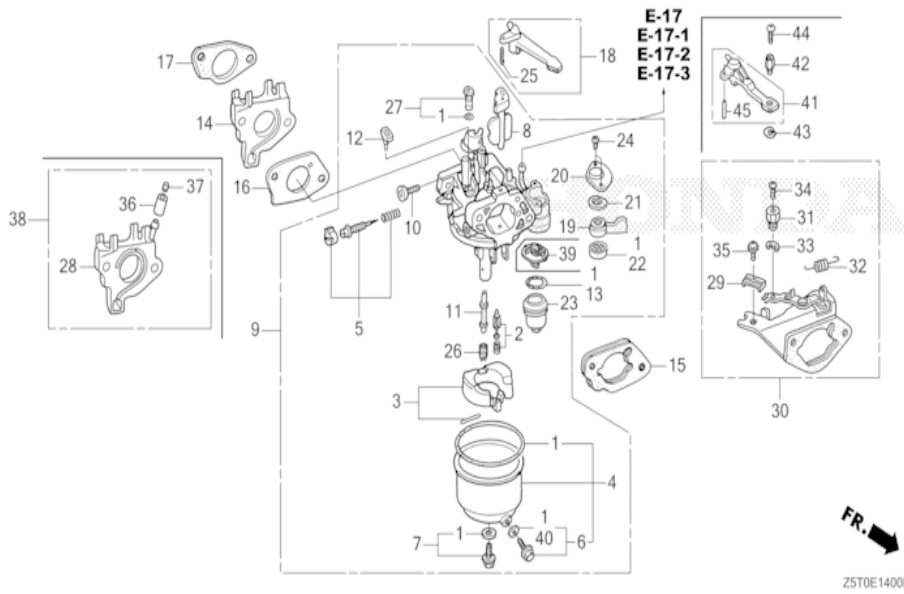
E-11 RECOIL STARTER (1)



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	28400-Z5T-013ZA	STARTER ASSY., RECOIL *R280*	1	
001	28400-Z5T-305ZA	STARTER ASSY., RECOIL (FOR U.S.A.) *R280	1	
002	28410-ZE3-W01ZP	CASE COMP., RECOIL STARTER *R280 *	1	
003	28421-ZE3-W01	PULLEY, RECOIL STARTER	1	
004	28422-ZE2-W01	RATCHET, STARTER	2	
005	28441-ZE2-W01	SPRING, FRICTION	1	
006	28442-ZE2-W01	SPRING, STARTER RETURN	1	
007	28443-ZE2-W01	SPRING, RATCHET	2	
008	28444-ZE2-W01	RETAINER, SPRING	1	
010	28462-ZE3-W01	ROPE, RECOIL STARTER	1	
011	90004-ZE2-W01	SCREW, CENTER	1	
012	95701-0601000	BOLT, FLANGE, 6X10	3	
013	28461-Z5T-003	GRIP, STARTER	1	3000001
Ref	Partnumber	Description	GX390RT2	Serial Numbers
013	28461-Z5T-305	GRIP, STARTER (COO) (FOR U.S.A.)	1	2999999
014	28463-Z5T-013	GRIP, REINFORCEMENT	1	

GX390RT2(QNGN)

E-14 CARBURETOR (1)



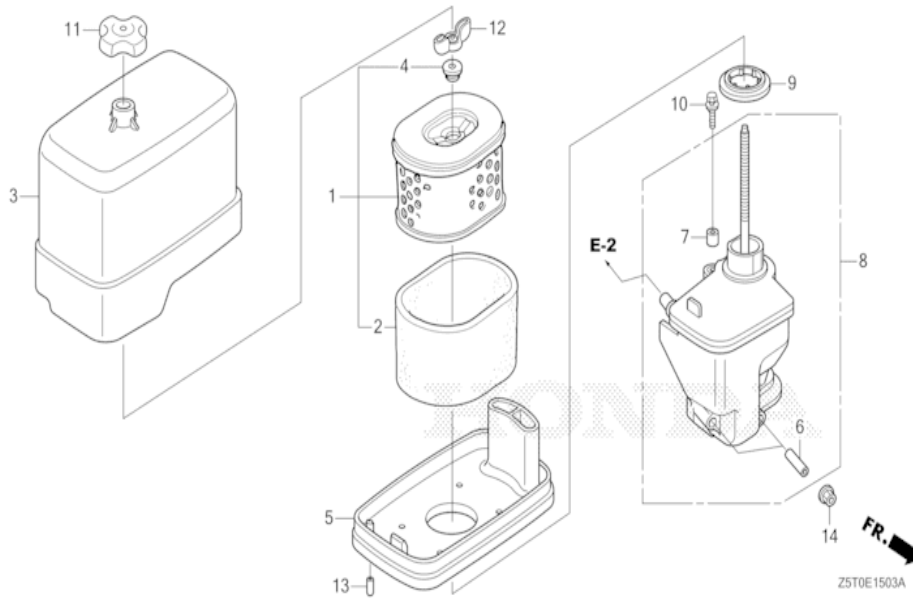
Z5T0E1400H

Ref	Partnumber	Description	GX390RT2	Serial Numbers	
001	16010-ZE2-812	GASKET SET	1		
002	16011-ZA0-931	VALVE SET, FLOAT	1		
003	16013-Z1C-003	FLOAT SET	1		
004	16015-Z5T-901	CHAMBER SET, FLOAT	1		
005	16016-ZDF-V01	SCREW SET	1		
005	16016-ZH7-W01	SCREW SET, PILOT	1		BE88A A
006	16024-Z5T-901	SCREW SET, DRAIN	1		
007	16028-Z5T-901	SCREW SET	1		
008	16044-Z5T-901	CHOKE SET	1		
009	16100-Z5T-901	CARBURETOR ASSY. (BE88A A)	1		2999999
009	16100-Z5T-922	CARBURETOR ASSY. (BEC0A A)	1	3000001	3349841
009	16100-ZBH-832	CARBURETOR ASSY. (BE88T B)	1	3349842	
010	16124-ZE0-005	SCREW, THROTTLE STOP	1		

<u>Ref</u>	<u>Partnumber</u>	<u>Description</u>	<u>GX390RT2</u>	<u>Serial Numbers</u>
011	16166-Z5T-901	NOZZLE, MAIN	1	BE88A A
011	16166-Z5T-WC1	NOZZLE, MAIN	1	BEC0A A
012	16172-ZE3-W10	COLLAR, SETTING	1	
013	16173-001-004	O-RING	1	
014	16211-Z5T-000	INSULATOR, CARBURETOR	1	
015	16220-ZA0-702	SPACER COMP., CARBURETOR	1	
016	16221-Z5T-000	PACKING, CARBURETOR	1	
017	16212-Z5T-000	PACKING, CARBURETOR INSULATOR	1	
018	16610-ZE1-000	LEVER COMP., CHOKE (STD.)	1	
019	16953-ZE1-812	LEVER, COCK	1	
020	16954-ZE1-812	PLATE, LEVER SETTING	1	
021	16956-ZE1-811	SPRING, COCK LEVER	1	
022	16957-ZE1-812	PACKING, FUEL COCK	1	
023	16967-ZE0-811	CUP, FUEL STRAINER	1	
024	93500-030061H	SCREW, PAN, 3X6	2	
025	94305-20122	PIN, SPRING, 2X12	1	
026	99101-ZH80980	JET, MAIN, #98	(1)	BE88A A
026	99101-ZH81020	JET, MAIN, #102	(1)	
026	99101-ZH81050	JET, MAIN, #105	(1)	BEC0A A
026	99101-ZH81050	JET, MAIN, #105	1	BE88A A
026	99101-ZH81080	JET, MAIN, #108	1	BEC0A A
027	99204-ZE00380	JET SET, PILOT, #38	1	BE88A A
027	99204-ZE20400	JET SET, PILOT, #40	1	BEC0A A
039	16959-Z5T-901	FILTER, CUP	1	
040	16141-Z0S-003	WASHER, PLAIN (6.2X10.7 DRAIN)	1	

GX390RT2(QNGN)

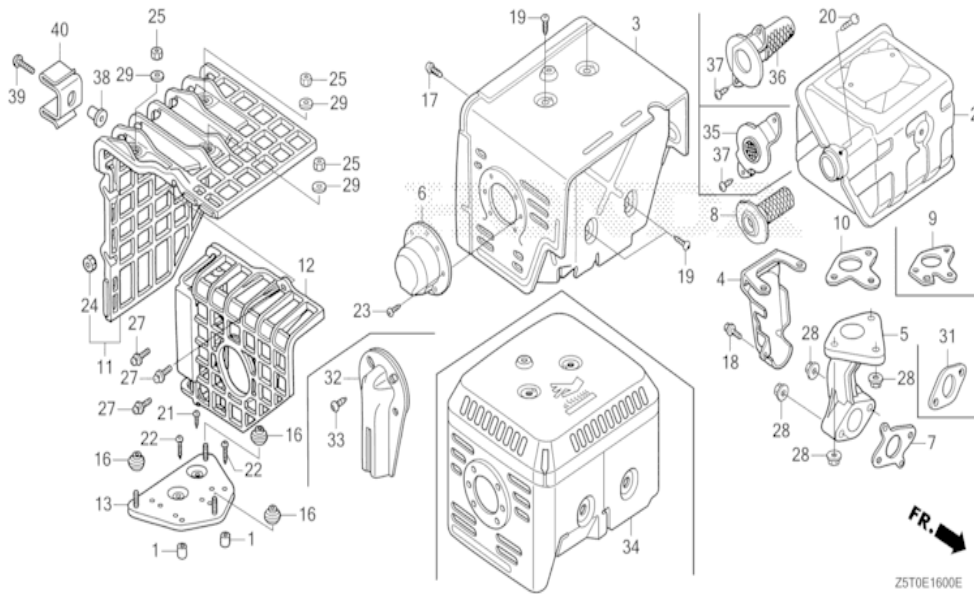
E-15-3 AIR CLEANER (4)



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	17210-ZE3-010	ELEMENT, AIR CLEANER	1	
002	17218-ZE3-000	FILTER, OUTER	1	
003	17231-Z5T-000	COVER, AIR CLEANER CASE	1	
004	17232-891-000	GROMMET, AIR CLEANER	1	
005	17235-Z5T-800	NOSE, SILENCER	1	
006	17238-ZE2-310	COLLAR, AIR CLEANER	2	
007	17239-ZE1-000	COLLAR B, AIR CLEANER	1	
008	17410-Z5T-020	ELBOW COMP., AIR CLEANER	1	
009	17417-Z5T-000	PACKING, AIR CLEANER CASE	1	
010	90009-Z1C-000	BOLT-WASHER, 6X22	1	
011	90202-Z2E-000	NUT, AIR CLEANER COVER	1	
012	90325-044-000	NUT, TOOL BOX SETTING	1	
013	90634-ZL8-H00	CAP, SEALING	1	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
014	94050-06000	NUT, FLANGE, 6MM	2	

GX390RT2(QNGN)

E-16 MUFFLER (1)

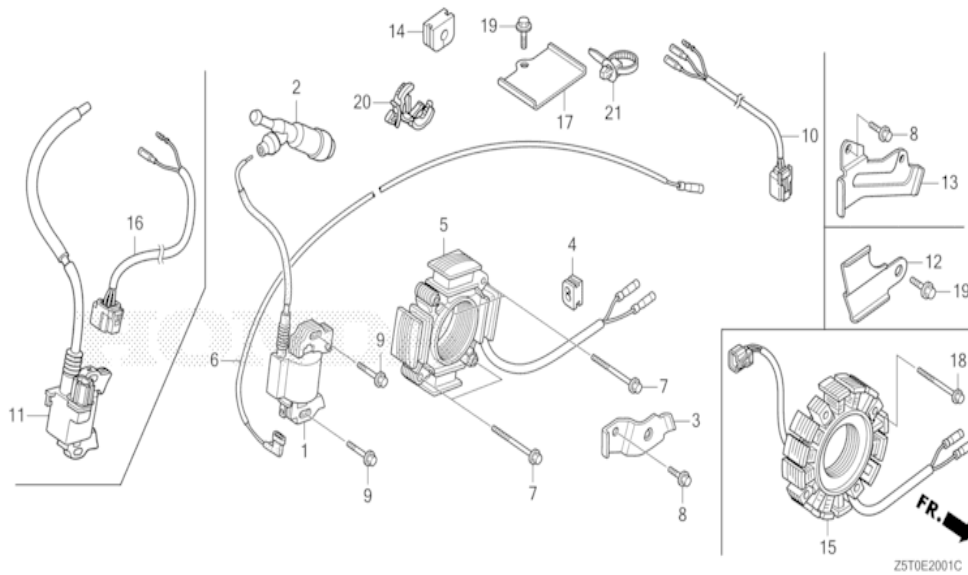


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<u>Ref</u>	<u>Partnumber</u>	<u>Description</u>	<u>GX390RT2</u>	<u>Serial Numbers</u>
002	18310-Z5T-010	MUFFLER COMP.	1	
004	18323-Z5T-W41	PROTECTOR, EX. PIPE	1	
005	18331-Z5T-000	PIPE, EX.	1	
006	18331-ZE3-811	CAP, MUFFLER	1	
007	18333-Z1C-901	GASKET, EX. PIPE	1	
010	18381-Z1C-801	GASKET, MUFFLER (THAI LEAKLESS)	1	
010	18381-ZE2-801	GASKET, MUFFLER (NIPPON LEAKLESS)	1	
017	90006-ZE2-000	SCREW, TAPPING, 6X10	1	
018	90013-883-000	BOLT, FLANGE, 6X12 (CT200)	1	
023	90055-ZE1-000	SCREW, TAPPING, 4X6	3	
028	94050-08000	NUT, FLANGE, 8MM	5	
031	18333-ZK6-Y00	GASKET, EX. PIPE	(1)	
034	18320-Z5T-000	PROTECTOR COMP., MUFFLER	1	
<u>Ref</u>	<u>Partnumber</u>	<u>Description</u>	<u>GX390RT2</u>	<u>Serial Numbers</u>
035	18336-ZE3-000	FLANGE COMP., BAFFLE	1	
036	18350-Z5T-800	ARRESTER COMP., SPARK	(1)	
037	90050-ZE1-000	SCREW, TAPPING, 5X8	2	

GX390RT2(QNGN)

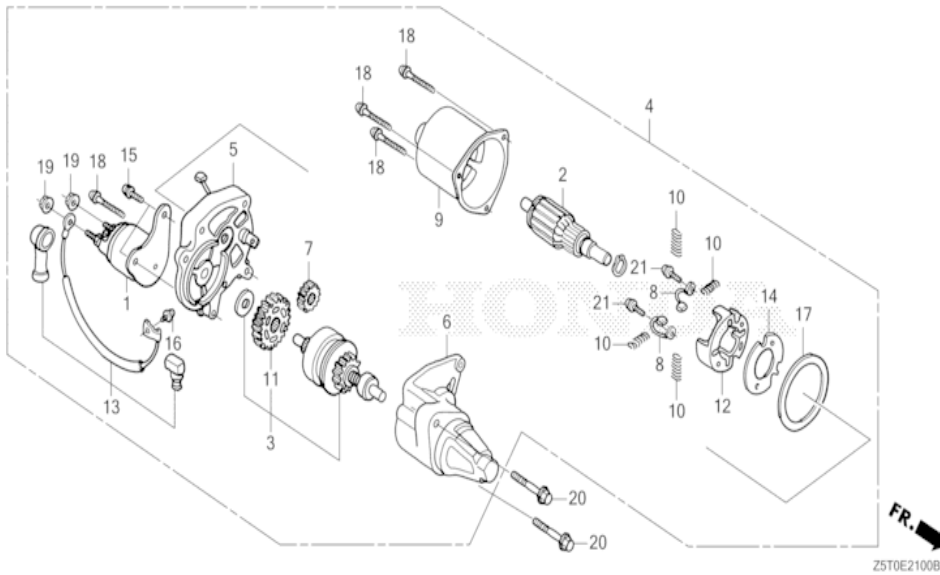
E-20-1 IGNITION COIL (2)



Ref	Partnumber	Description	GX390RT2	Serial Numbers
002	30700-Z1C-812	CAP ASSY., NOISE SUPPRESSOR (NGK Y-EZD)	1	2068439
002	30700-Z1C-813	CAP ASSY., NOISE SUPPRESSOR (NGK Y-EZD)	1	2068440
003	31511-ZE2-W00	CLAMPER, CORD	1	
004	31512-ZE2-000	GROMMET, CORD	1	
005	31630-Z1C-003	COIL ASSY., CHARGE (12V-17A)	1	
005	31630-ZE2-W01	COIL ASSY., CHARGE (12V/18A)	1	
007	90012-888-000	BOLT, FLANGE, 6X40 (CT200)	4	
008	90013-883-000	BOLT, FLANGE, 6X12 (CT200)	1	
009	90015-883-000	BOLT, FLANGE, 6X28 (CT200)	2	
010	32110-Z5K-810	HARNESS ASSY., ENGINE WIRE (SEL)	1	
011	30500-Z5T-003	COIL ASSY., IGNITION	1	
011	30500-Z5T-004	COIL ASSY., IGNITION (IIDA)	1	
011	30500-Z5T-005	COIL ASSY., IGNITION (MAHLE)	1	4222943
Ref	Partnumber	Description	GX390RT2	Serial Numbers
011	30500-Z5T-005	COIL ASSY., IGNITION (MAHLE)	1	4222943

GX390RT2(QNGN)

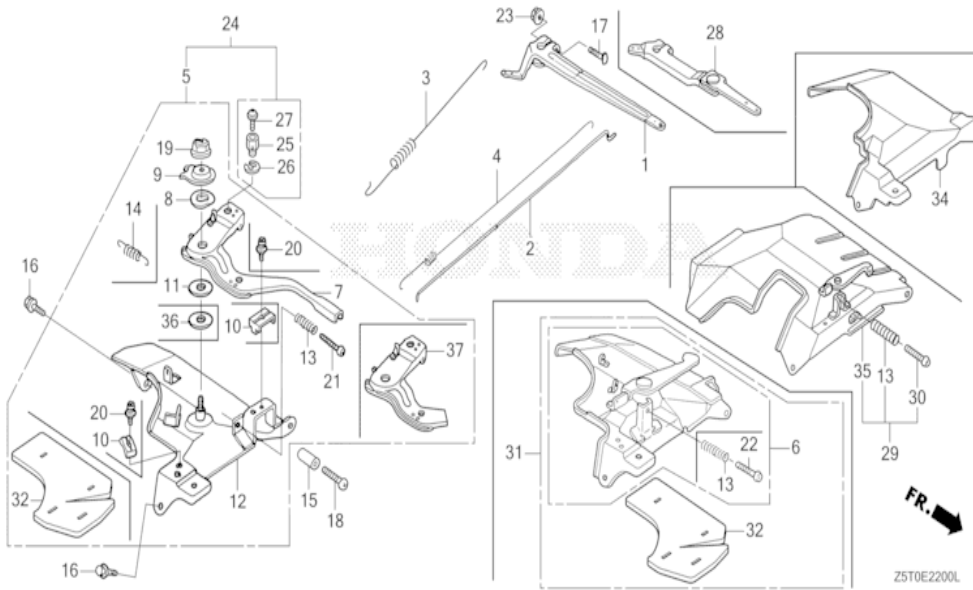
E-21 STARTER MOTOR (1)



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	31204-ZA0-003	CONTACTOR ASSY.	1	
002	31206-ZE3-003	ARMATURE COMP.	1	
003	31207-ZE3-003	CLUTCH COMP., OVERRUNNING	1	
003	31208-ZE3-003	CLUTCH COMP., OVERRUNNING	1	
004	31210-ZE3-023	MOTOR UNIT, STARTER	1	
004	31210-ZE3-033	MOTOR UNIT, STARTER	1	
005	31211-ZE2-003	BRACKET, CENTER	1	
006	31212-ZE3-003	BRACKET, FR.	1	
007	31213-ZE2-003	GEAR, DRIVE PINION	1	
008	31215-ZE2-003	BRUSH	2	
009	31218-ZE3-003	YOKE COMP.	1	
010	31219-ZE2-003	SPRING, BRUSH RETURN	4	
011	31222-ZE3-791	GEAR, REDUCTION	1	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
012	31231-ZE2-003	HOLDER, BRUSH	1	
013	31232-ZE3-003	WIRE, WATER COVER	1	
014	31233-ZE2-003	INSULATOR	1	
015	90007-ZE2-003	BOLT-WASHER, 5X14	2	
016	90110-ZE2-003	SCREW-WASHER, 4X6	1	
017	91601-ZE2-003	PACKING	1	
018	93892-0503218	SCREW-WASHER, 5X32	4	
019	94070-06080	NUT-WASHER, 6MM	2	
020	95701-0803508	BOLT, FLANGE, 8X35	2	
021	31219-ZE3-003	SCREW-WASHER, 4X14	2	

GX390RT2(QNGN)

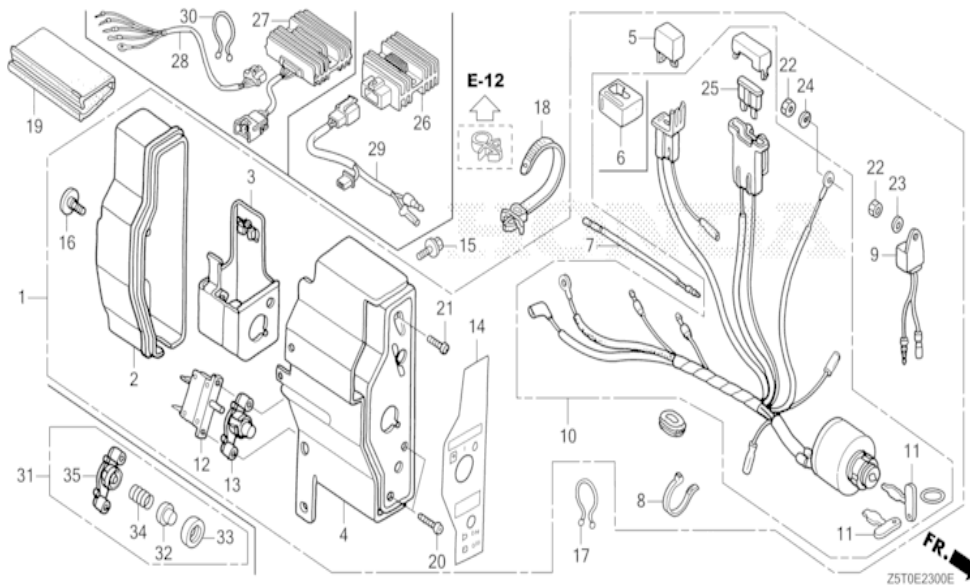
E-22 CONTROL



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	16551-ZE3-000	ARM, GOVERNOR	1	
002	16555-ZE3-000	ROD, GOVERNOR	1	
003	16561-ZE3-000	SPRING, GOVERNOR (L=137.5MM)	1	
004	16562-ZE3-000	SPRING, THROTTLE RETURN	1	
005	16500-Z5T-307	CONTROL ASSY. (REMOTE) (FOR U.S.A.)	1	
005	16500-Z5T-810	CONTROL ASSY. (REMOTE) (ROD)	1	
007	16571-ZE3-W00	LEVER, CONTROL	1	
008	16574-ZE1-000	SPRING, LEVER	1	
009	16575-ZE2-W00	WASHER, CONTROL LEVER	1	
010	16576-891-000	HOLDER, CABLE	1	
011	16578-ZE1-000	SPACER, CONTROL LEVER	1	
012	16580-Z5T-000	BASE COMP., CONTROL	1	
013	16584-883-300	SPRING, CONTROL ADJUSTING	1	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
014	16592-883-310	SPRING, CABLE RETURN	1	
016	90013-883-000	BOLT, FLANGE, 6X12 (CT200)	2	
017	90015-Z5T-000	BOLT, GOVERNOR ARM	1	
019	90114-SA0-000	NUT, SELF-LOCK, 6MM	1	
020	93500-050160A	SCREW, PAN, 5X16	1	
021	93500-050320A	SCREW, PAN, 5X32	1	
023	94050-06000	NUT, FLANGE, 6MM	1	

GX390RT2(QNGN)

E-23 CONTROL BOX (1)

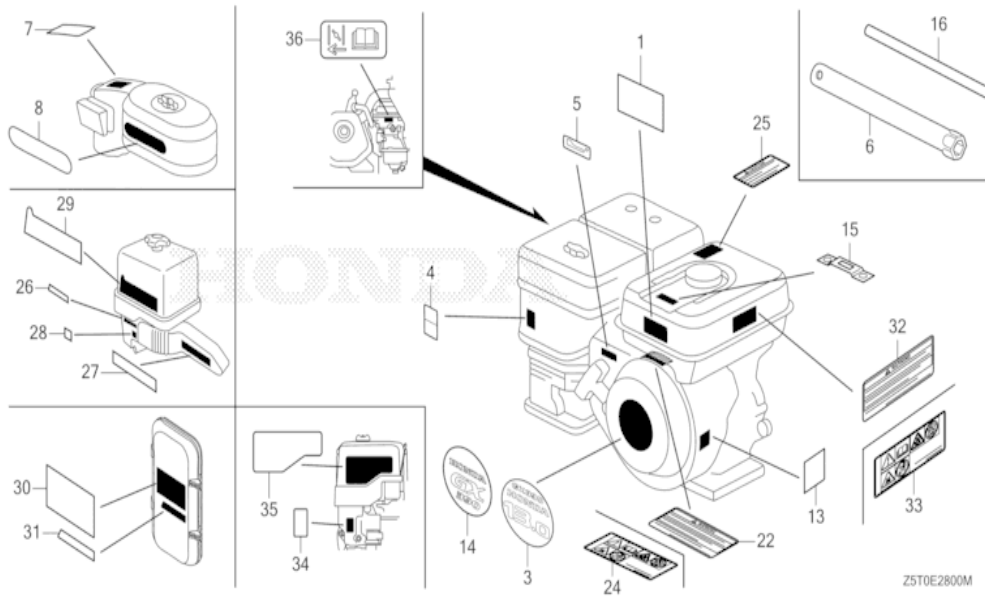


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Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	31610-Z5T-841ZB	BOX ASSY., CONTROL (18A) *R280*	1	
002	31612-ZE2-003	CASE, CONTROL	1	
003	31614-ZE2-003	BRACKET, CASE MOUNTING	1	
004	31615-ZE3-003ZE	PANEL COMP., CONTROL *R280 *	1	
008	32902-892-003	BAND	1	
010	35100-Z5T-841	SWITCH ASSY., COMBINATION (18A)	1	
011	35111-880-013	KEY COMP. (HONDA LOCK)	2	
014	87529-Z4S-820	MARK, CONTROL BOX (EXP)	1	
015	90013-883-000	BOLT, FLANGE, 6X12 (CT200)	2	
016	90380-MA6-010	SCREW, SPECIAL, 6X12	1	
018	90672-SA0-003	STRAP, CABLE, 118MM (BLACK)	1	
019	91406-ZE2-003	TUBE, FASTENER, 30MM	1	
021	93500-040120H	SCREW, PAN, 4X12	1	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
022	94001-043900S	NUT, HEX., 4MM	1	
024	94111-04800	WASHER, SPRING, 4MM	1	
025	98200-31500	FUSE, BLADE (15A)	1	
025	98200-32500	FUSE, BLADE (25A)	1	
027	31620-ZG5-033	RECTIFIER ASSY., REGULATOR (20A)	1	
028	32110-ZE2-W00	HARNESS ASSY., SUB WIRE	1	
030	90630-751-000	CLIP, PURSE LOCK	1	

GX390RT2(QNGN)

E-28 LABEL/TOOL

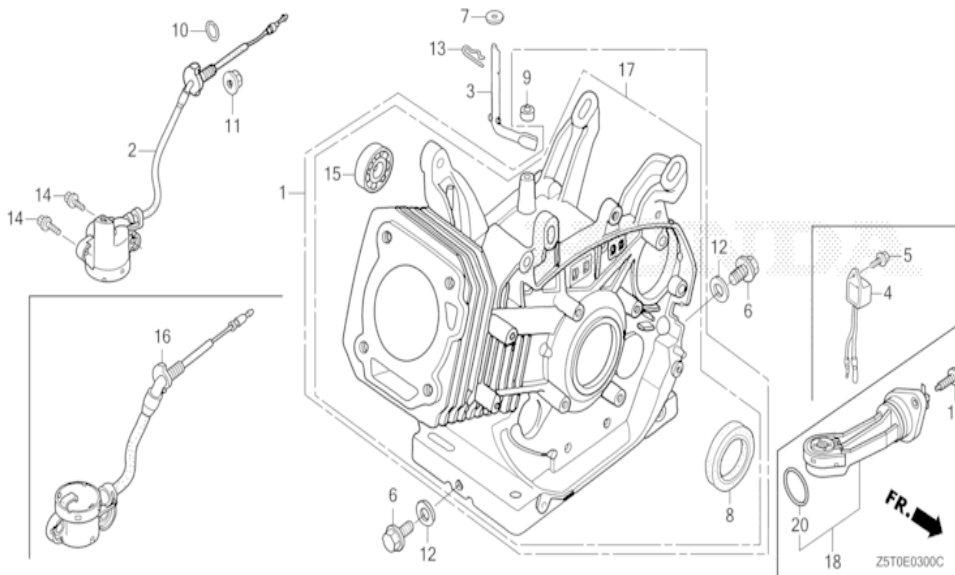


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Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	87516-Z4H-010	MARK, OPERATOR CAUTION (ENGLISH) (MADE I	1	3859751
001	87516-Z4H-020	MARK, OPERATOR CAUTION (ENGLISH) (MADE I	1	3859752
004	87528-Z5T-000	MARK, CHOKE	1	3456088
005	87532-ZH7-000	MARK, THROTTLE INDICATION	1	
006	89216-Z0T-800	WRENCH, SPARK PLUG	(1)	
014	87521-Z5T-000	EMBLEM (HONDA GX390)	1	
034	87528-Z4M-000	MARK, CHOKE	1	3456089

GX390RT2(QNGN)

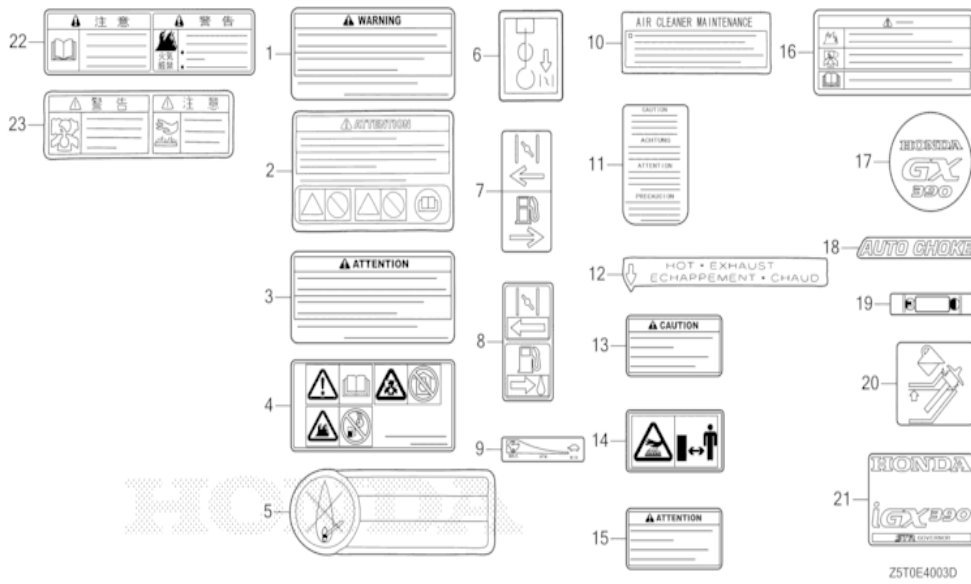
E-3 CYLINDER BARREL



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	12000-Z5T-405	BARREL ASSY., CYLINDER (SELFSTARTER+ALER	1	3359807
001	12000-Z5T-415	BARREL ASSY., CYLINDER (SELFSTARTER+ALER	1	3359808
003	16541-ZE3-010	SHAFT, GOVERNOR ARM	1	
006	90131-883-000	BOLT, DRAIN PLUG, 12X15	2	
007	90446-KE1-000	WASHER, 8.2X17X0.8	1	
008	91201-Z1C-003	OIL SEAL, 35X52X8 (NOK)	1	
008	91201-Z7E-003	OIL SEAL, 35X52X8	1	
009	91203-952-771	OIL SEAL, 8X14X5	1	
009	91203-Z7E-003	OIL SEAL, 8X14X5	1	
010	91353-671-004	O-RING, 14MM (NOK)	1	
011	94050-10000	NUT, FLANGE, 10MM	1	
012	94109-12000	WASHER, DRAIN PLUG, 12MM	2	
013	94251-10000	PIN, LOCK, 10MM	1	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
014	95701-0601200	BOLT, FLANGE, 6X12	2	
015	91004-KZR-602	BEARING, RADIAL BALL, 6202 (FUJIKOSHI)	1	3359808
015	96100-6202000	BEARING, RADIAL BALL, 6202	1	
016	35480-Z5T-003	SWITCH ASSY., OIL LEVEL	1	4219153
016	35480-ZF6-003	SWITCH ASSY., OIL LEVEL	1	

GX390RT2(QNGN)

E-40-3 OTHER PARTS (MARK)

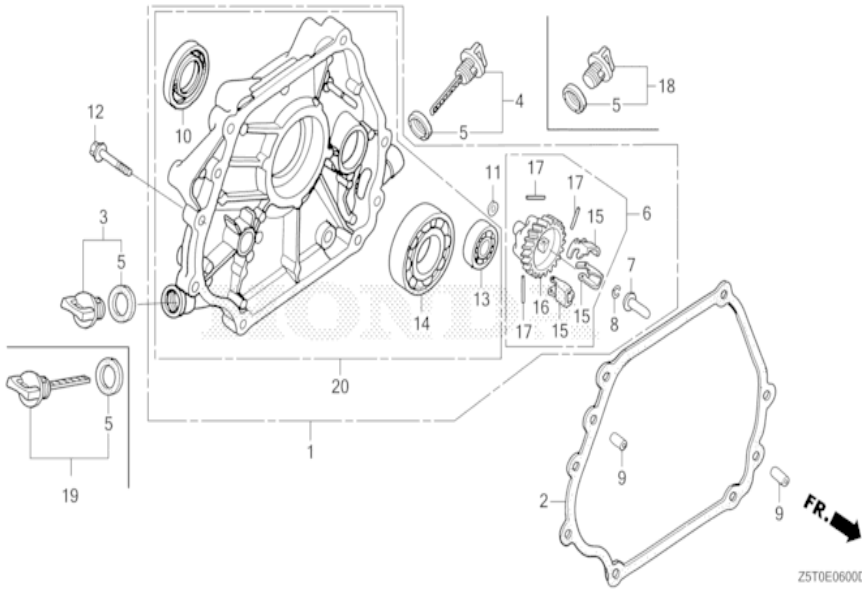


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Ref	Partnumber	Description	GX390RT2	Serial Numbers
003	87516-Z4H-801	MARK, OPERATOR CAUTION (FRENCH) (MADE IN	1	3859751
003	87516-Z4H-802	MARK, OPERATOR CAUTION (FRENCH) (MADE IN	1	3859752
004	87519-Z4H-000	MARK, OPERATOR CAUTION (PICTOGRAPH)	1	1619385
004	87519-Z4H-000	MARK, OPERATOR CAUTION (PICTOGRAPH)	1	3859751
004	87519-Z4H-010	MARK, OPERATOR CAUTION (PICTOGRAPH)	1	3859752
013	87539-Z0J-000	MARK, EX. CAUTION (ENGLISH)	1	
014	87539-Z0J-800	MARK, EX. CAUTION (PICTOGRAPH)	1	
015	87539-Z0J-810	MARK, EX. CAUTION (FRENCH)	1	

GX390RT2(QNGN)

E-6 CRANKCASE COVER (1)

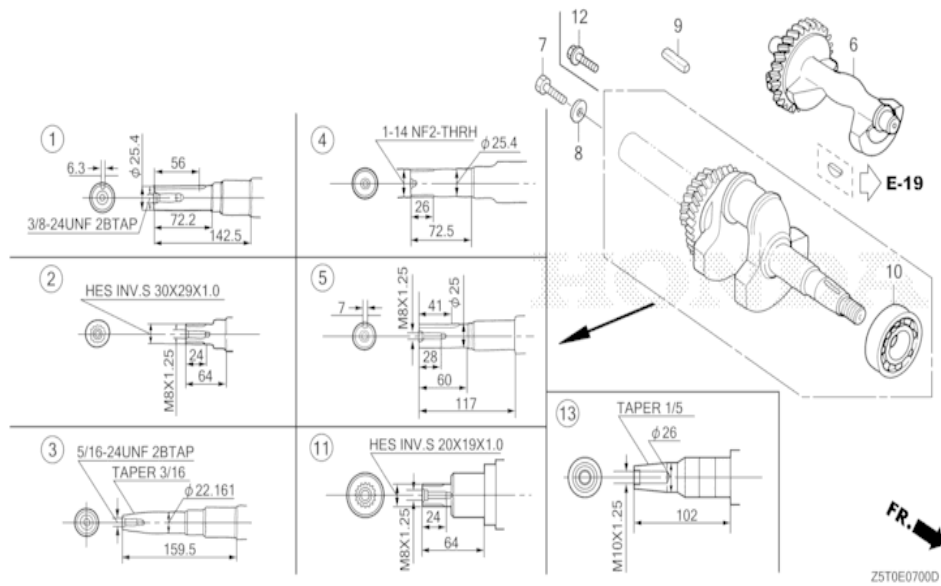


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Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	11300-Z1C-600	COVER ASSY., CRANKCASE	1	3359807
001	11300-Z1C-601	COVER ASSY., CRANKCASE	1	3359808
002	11381-Z5T-000	PACKING, CRANKCASE COVER	1	
003	15600-Z0T-820	CAP ASSY., OIL FILLER (BLACK)	1	
004	15600-Z1C-000	CAP ASSY., OIL FILLER	1	
005	15625-Z0T-800	PACKING, OIL FILLER CAP	2	
006	16510-ZE3-000	GOVERNOR ASSY.	1	
007	16531-Z0A-000	SLIDER, GOVERNOR	1	
008	90602-ZE1-000	CLIP, GOVERNOR HOLDER	1	
009	90701-HC4-000	DOWEL PIN, 8X12	2	
010	91201-Z1C-003	OIL SEAL, 35X52X8 (NOK)	1	
011	94101-06800	WASHER, PLAIN, 6MM	1	
012	95701-0804000	BOLT, FLANGE, 8X40	7	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
013	91004-KZR-602	BEARING, RADIAL BALL, 6202 (FUJIKOSHI)	1	3359808
013	96100-6202000	BEARING, RADIAL BALL, 6202	1	
014	96100-6207000	BEARING, RADIAL BALL, 6207	1	
015	16511-ZE8-000	WEIGHT, GOVERNOR	3	
016	16512-ZE3-000	HOLDER, GOVERNOR WEIGHT	1	
017	16513-ZE2-000	PIN, GOVERNOR WEIGHT	3	

GX390RT2(QNGN)

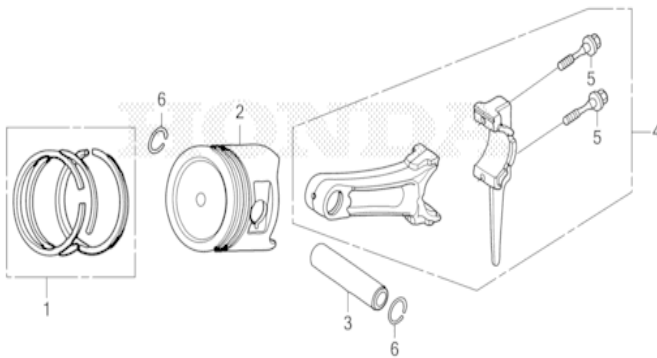
E-7 CRANKSHAFT



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	13310-ZF6-W12	CRANKSHAFT COMP.	1	
006	13351-Z1C-900	WEIGHT, BALANCER	1	
009	90745-ZE2-600	KEY, 6.3X6.3X43	1	
010	91001-ZF6-013	BEARING, RADIAL BALL, 6207SH	1	

GX390RT2(QNGN)

E-8 PISTON

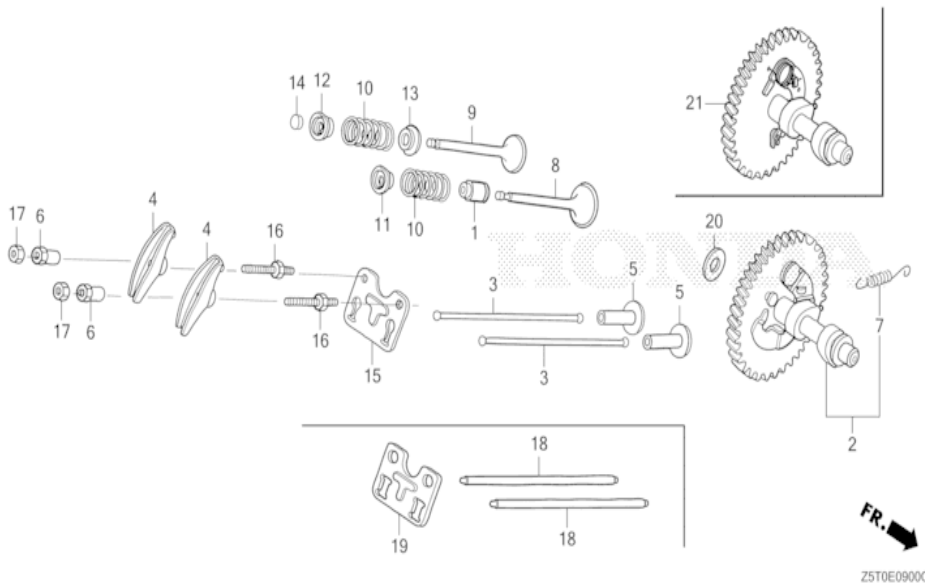


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Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	13010-Z5R-004	RING SET, PISTON (STD.) (TEIKOKU)	1	
001	13010-Z5T-003	RING SET, PISTON (STD.) (RIKEN)	1	
002	13101-Z1C-900	PISTON (STD.)	1	
002	13102-Z5T-800	PISTON (0.25)	(1)	
002	13103-Z5T-800	PISTON (0.50)	(1)	
002	13104-Z5T-800	PISTON (0.75)	(1)	
003	13111-Z5T-000	PIN, PISTON	1	
004	13200-Z1C-305	ROD ASSY., CONNECTING (0.25 UNDER SIZE)	(1)	
004	13200-Z1C-900	ROD ASSY., CONNECTING (STD.)	1	
005	90001-ZE8-000	BOLT, CONNECTING ROD	2	
006	90601-ZE3-000	CLIP, PISTON PIN, 20MM	2	

GX390RT2(QNGN)

E-9 CAMSHAFT



Ref	Partnumber	Description	GX390RT2	Serial Numbers
001	12209-ZE8-003	SEAL, VALVE STEM	1	
003	14410-Z1C-000	ROD, PUSH	2	
004	14431-ZE2-010	ARM, VALVE ROCKER	2	
005	14441-ZE2-000	LIFTER, VALVE	2	
006	14451-Z4M-000	PIVOT, ROCKER ARM	2	
008	14711-Z5T-900	VALVE, IN.	1	
009	14721-Z5T-900	VALVE, EX.	1	
010	14751-Z1C-000	SPRING, VALVE	2	
012	14771-Z8S-000	RETAINER, IN. VALVE SPRING	1	
013	14775-ZE2-010	SEAT, VALVE SPRING	1	
015	14791-Z1D-000	GUIDE, PUSH ROD	1	
016	90012-ZE0-010	BOLT, PIVOT, 8MM	2	
017	90206-ZE1-000	NUT, PIVOT ADJUSTING	2	
Ref	Partnumber	Description	GX390RT2	Serial Numbers
021	14100-Z5T-910	CAMSHAFT COMP. (STD.)	1	
021	14100-Z5T-910	CAMSHAFT COMP. (STD.)	1	3802784
021	14100-Z5T-911	CAMSHAFT COMP. (STD.)	1	3802785