

GENERATOR

EU70isN

PARTS CATALOGUE

1

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Instruction for use of parts catalogue

- **This parts catalogue was prepared based on the latest information available as of July 01, 2014.**
- See the parts catalogue news for any revision that is made after July 01, 2014.
- **Always specify the part number when ordering a part.**
 - Check the model, type, serial numbers, color, maker, and the size as needed before ordering a part.
 - Note that the illustrations (part drawings) can differ from the actual parts in shape. They are given just to help you to refer to the parts.
- **When modifications or additions to this parts catalogue are made, a revised edition will be issued at an appropriate time, with successively progressing revision numbers on the cover. 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 Honda distributor.**

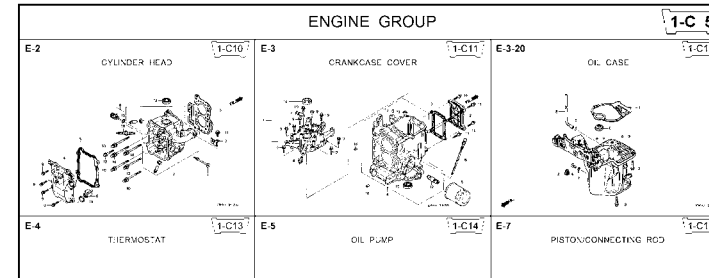
Initial version issue date July 01, 2014
Honda Motor Co., Ltd.

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How to refer to the part information

A Reference with "Illustrated index"



B Reference with "Part number index"

PART NO. INDEX

Part Number	Address	Page	Ref.	Part Number	Address	Page
06000				15212-ZW9-000	1-C14	3C
06316-ZW9-000	1-69	88	1	15220-ZW9-003	1-C14	3C
11000				15332-ZW9-000	1-E8	55
11300-ZW9-405	1-C11	27	1	15332-ZW9-A30	1-E11	5E
11300-ZW9-406	1-C11	27	1	15400-PFB-004	1-C11	27
11340-ZW9-000	1-C11	27	2	15422-ZW9-000	1-C14	3C
11342-ZW9-000	1-C11	27	3	15473-881-000	1-C14	3C
11381-ZW9-003	1-C12	28	1	15474-ZW9-000	1-C14	3C
				15611-921-000	1-C10	2E
				15655-ZW9-000	1-C11	27
				16000		
12000				16010-ZV4-005	1-D4	3E
12000-ZW9-405ZA	1-C11	27	4	16011-ZV4-005	1-D4	3E
12155-ZV4-A00	1-C13	29	1	16013-ZW9-003	1-D4	3E
12166-ZW9-000	1-C10	26	1	16016-ZW9-003	1-D4	3E
12209-GB4-681	1-C16	32	1	16016-ZW9-721	1-D4	3E
12210-ZW9-405ZA	1-C10	26	2	16023-ZW9-003	1-D4	3E
12216-ZE2-300	1-E8	55	1	16024-ZV4-650	1-D4	3E
	1-E11	58	1	16028-ZV4-650	1-D4	3E

C Reference with "Part name index"

PART NAME INDEX

Part name	Address	Page	Ref.
[A]			
ABSORBER , FUEL	1-E15	62	5
ARMATURE COMP.	1-D11	43	7
ARM COMP. , LINK JOINT	1-G6	85	18
ARM COMP. , SHIFT LINK	1-G6	85	14
ARM COMP. , TILT	1-F15	79	20
ARM , FUEL PUMP ROCKER	1-C16	32	4
ARM , REVERSE LOCK	1-F15	79	18
ARM , SHIFT LINK	1-F11	74	7
ARM , STOPPER	1-D1	33	12
ARM , THROTTLE REMOTE	1-F11	74	6
ARM , VALVE ROCKER	1-C16	32	3
[B]			
BAG , TOOL , 160MM	1-G5	84	10
BAND	1-G6	86	37
BAND B1 , WIRE	1-F6	69	1
BAND , CORD	1-F3	67	18
BAND , TUBE CLIP , 11MM	1-E15	63	20
BAND , TUBE CLIP , 12.5MM	1-E15	63	19

Address No. 1-C10

E-2 CYLINDER HEAD

Block No.

Ref No.

Ref. No.	Part No.	Description	Reqd. QTY						Serial No.	Parts catalogue code
			99D1	99D1	1001	1001	1001	1001		
1	12166-ZW9-000	STOPPER, ENGINE SIDE	2	2	2	2	2			
2	12210-ZW9-000ZA	HEAD COMP., CYLINDER	1	1	1	1	1			
3	12251-ZW9-003	GASKET, CYLINDER HEAD	1	1	1	1	1			
4	12310-ZW9-000	COVER COMP., HEAD	1	1	1	1	1			
5	12312-ZW9-000	PACKING, HEAD COVER	1	1	1	1	1			
6	15611-921-000	CAP, OIL (NO GAUGE)	1	1	1	1	1			
7	16617-ZW9-000	HOLDER, CABLE	1	1	1	1	1	SC,SG		
	16617-ZW9-010		1	1	1	1	1	1001801	LHC,LHD	
			1	1	1	1	1		LHC,LHD	
8	35673-ZV5-003	SENSOR ASSY., WATER	1	1	1	1	1			
9	90003-ZW9-000	BOLT, FLANGE, 6X22	4	4	4	4	4			
10	90007-ZW9-003	BOLT, FLANGE, 8X83	6	6	6	6	6			
11	90011-ZW9-000	BOLT, FLANGE, 6X14(CT200)	1	1	1	1	1			
12	90020-ZW9-000	BOLT, FLANGE, 8X40	2	2	2	2	2			
13	91202-KJ9-003	OIL SEAL, 20X32X6	1	1	1	1	1			
14	91301-805-000	O-RING, 26X2.7	1	1	1	1	1			
15	91307-PK2-005	O-RING, 9.5X1.5(HONDA KIKAKI)	1	1	1	1	1			
16	98059-55916	PLUG, SPARK (CR5EH-9)	2	2	2	2	2			
	98059-55926	PLUG, SPARK (U16FER9)	2	2	2	2	2			

Service item F.R.T.

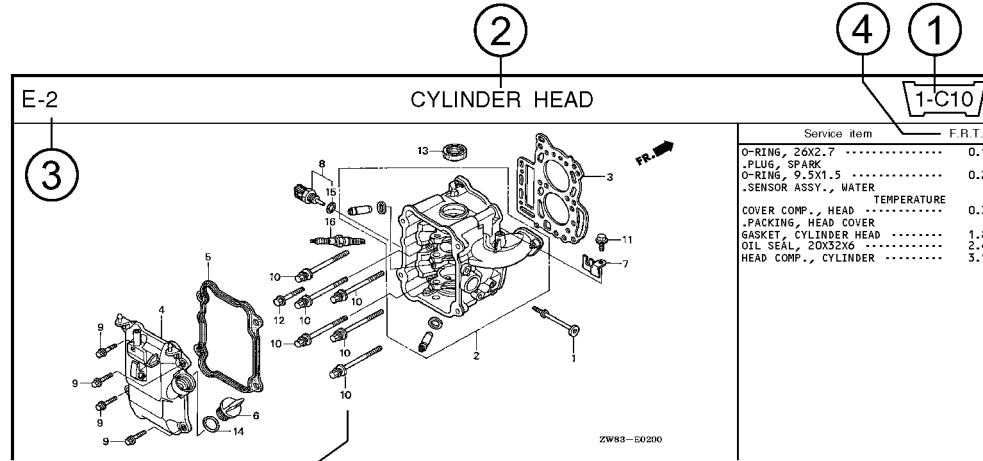
O-RING, 26X2.7	0.1
PLUG, SPARK	0.2
O-RING, 9.5X1.5	0.2
SENSOR ASSY., WATER	0.3
COVER COMP., HEAD	0.3
PACKING, HEAD COVER	1.8
GASKET, CYLINDER HEAD	2.4
OIL SEAL, 20X32X6	2.4
HEAD COMP., CYLINDER	3.1

ZW83-50200

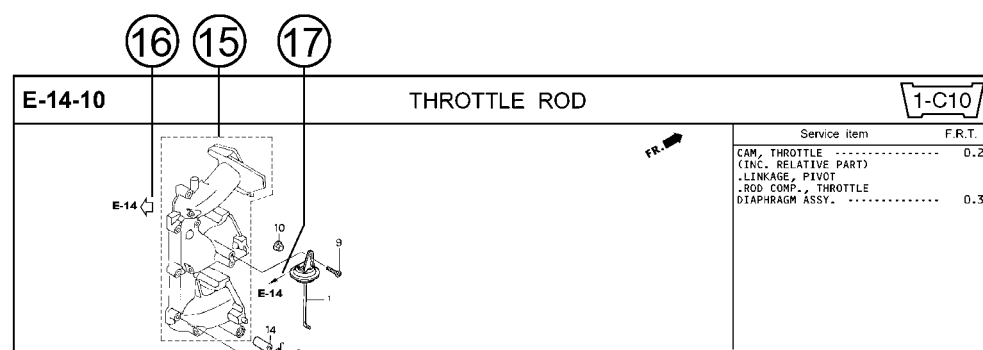
Page No.

2000.09.20 E

Part catalogue structure

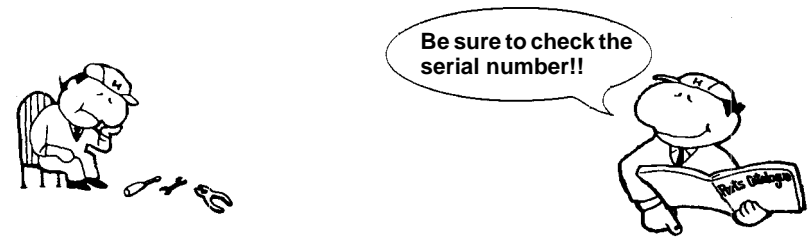


Ref. No.	Part No.	Description	Reqd. QTY						Serial No.	Parts catalogue code
			BF 9/9D1	BFP 9/9D1	BF 10D1	BFP 10D1	BF 10B1	BFP 10B1		
1	12166-ZW9-000	STOPPER, ENGINE SIDE	2	2	2	2	2	2		
2	12210-ZW9-000ZA	HEAD COMP., CYLINDER								
3	12251-ZW9-003	GASKET, CYLINDER HEAD	1	1	1	1	1	1		
4	12310-ZW9-000	COVER COMP., HEAD	1	1	1	1	1	1		
5	12312-ZW9-000	PACKING, HEAD COVER	1	1	1	1	1	1		
6	15611-921-000	CAP, OIL (NO GAUGE)	1	1	1	1	1	1		
7	16617-ZW9-000 16617-ZW9-010	HOLDER, CABLE	1	1	1	1	1	1	SC,SG 1001800 LHC,LHD	



- ① **Address number**
 - Address No. is provided (in place of the page No.) to help you refer to the part with the part No. or part name.
- ② **Block title** ③ **Block number**
- ④ **Service item/Flat rate time**
- ⑤ **Reference number**
 - Title number marked with the parenthesis or parentheses indicates that it continues from the previous page.
- ⑥ **Part number** ⑦ **Honda color code**
- ⑧ **Description**
- ⑨ **Assemblies**
 - Sections framed with broken lines in the exploded view drawings are available as complete assemblies. (Their individual parts can also be obtained.)
- ⑩ **Color description**
- ⑪ **Note**
 - Notes are shown with the parentheses in the part name column.
- ⑫ **Required quantity**
 - Required QTY shown in the parenthesis or parentheses indicates the optional part.
 - Required QTY marked with "N" Indicates the optional part that should be selected as needed.
 - Required QTY indicates the number of the part used in the block.
- ⑬ **Serial number**
- ⑭ **Type**
 - When the type column is blank, it indicates that the part is applicable to all types.
 - As the type of the actual unit may differ from the "parts catalogue, type" please refer to "Models, types and applicable serial numbers" for confirmation.
- ⑮ **Parts enclosed within a dotted line**
 - Parts enclosed within a dotted line are covered in a different block.
- ⑯ **Hollow arrow**
 - A hollow arrow indicates the block No. for the parts enclosed within a dotted line.
- ⑰ **Solid arrow**
 - A solid arrow indicates the block No. the part in question is connected to.

When the parts were revised



Ref. No.	Part No.	Description	Reqd. QTY						Serial No.
			BF 9.9D1	BFP 9.9D1	BF 10D1	BFP 10D1	BF 10B1	BFP 10B1	
1	12166-ZW9-000	STOPPER, ENGINE SIDE	2	2	2	2	2	2	
2	12210-ZW9-000ZA	HEAD COMP., CYLINDER *NH8*	1	1	1	1	1	1	
3	12251-ZW9-003	GASKET, CYLINDER HEAD	1	1	1	1	1	1	
4	12310-ZW9-000	COVER COMP., HEAD	1	1	1	1	1	1	
5	12312-ZW9-000	PACKING, HEAD COVER	1	1	1	1	1	1	
6	15611-921-000	CAP, OIL (NO GAUGE)	1	1	1	1	1	1	
7	16617-ZW9-000	HOLDER, CABLE (###)	1	1	1	1	1	1	
	16617-ZW9-010		1	1	1	1	1	1	

The number has been used from the initial model without revision.

When shown at the left side, it is applicable to the models of No.1001801 and the subsequent numbers.

When shown at the right side, it is applicable to the models up to No.1001800.

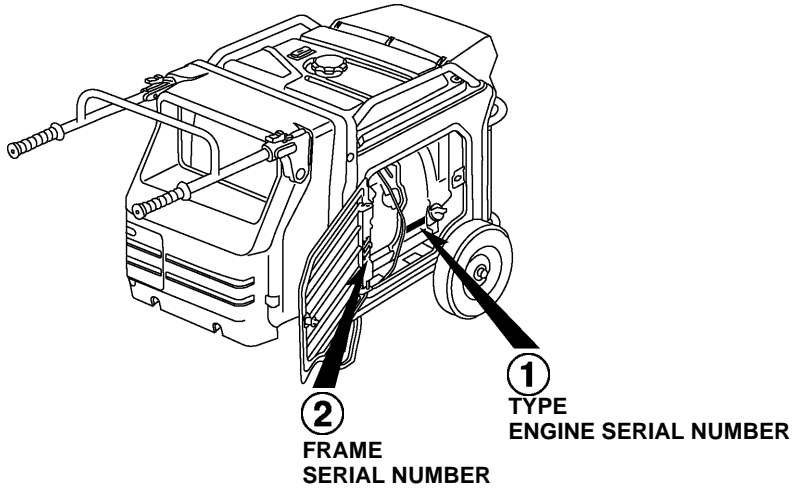
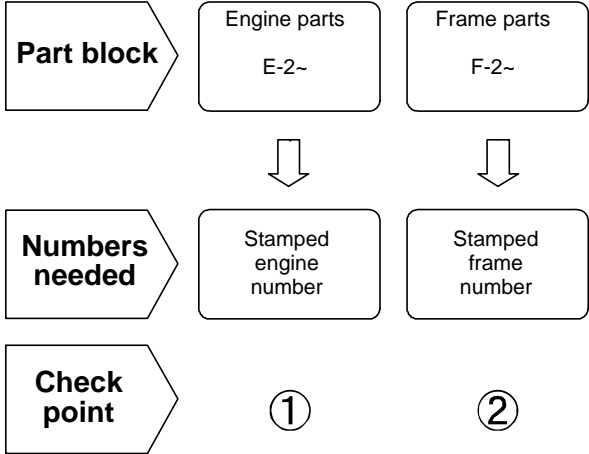
- The parts listed with "###" at the end of the parts name have limited supply period (parts not for sale).

Abbreviations used in the parts catalogue

• The following abbreviations are used in the parts name column.

- | | |
|--|-----------------------------|
| A Ampere | FR.Front |
| A.C. Alternating current | IN.Inlet |
| ASSY. Assembly | L (100L) .Link (100 Links) |
| AT. Automatic transmission | L.Left |
| C.D.I. Capacitive discharge ignition | MMMillimeter |
| COMP. ... Complete | MT.Manual Transmission |
| D.C. Direct current | P.T.O.Power take off |
| EX. Exhaust | R.Right |
| G.F.C.I ... Ground fault circuit interruptor | RR.Rear |
| HEX. Hexagonal | STD.Standard |
| H.S.T. Hydrostatic transmission | T (22T) ...Tooth (22 Teeth) |
| | V Volt |
| | WWatt |

How to check the part block and serial numbers



Models, parts catalogue codes and applicable serial numbers

- Models, parts catalogue codes and applicable serial Nos. given in this parts catalogue can be identified as follows.

Model	Type	Parts catalogue type	Engine		Applicable engine serial No.	Applicable frame serial No.
			Model	Type		
EU70isN	RDT	RDT	GX390T2	EX3	GCAGD-1000001~	EEJD-1000001~

Fuel hose, general purpose hoses and vinyl hose

- The standard part fuel hose, general purpose hose and vinyl hose may be substituted by the coiled bulk part.
- When ordering the standard part fuel hose, general purpose hose and vinyl hose use the bulk part number written in the parts catalog in brackets () underneath the part name.
- When exchanging the hose, cut and use at the specified length as mentioned in the part name.
(For the method of cutting the bulk part, and method of filling out orders etc., please refer to the instructions issued with the bulk part.)

Bulk part number of fuel hose, general purpose hose and vinyl hose.

Example: 9 5 0 0 1 - 7 5 0 0 1 - 5 0 M

Bulk part number:
Refers to the bulk part.

Marking code (fuel hose and general purpose hose)

Change code (Vinyl hose)

Indicates number mark or change sequence, however, the code for the bulk part must be strictly 0 (zero).

Types of code:

- | | | | | | |
|-------------|--|----------------|-------------|--------------|---------------|
| • Fuel hose | 2: Red outside braid
(3 mm inside dia. only) | • General hose | 1: Ash gray | • Vinyl hose | 1: Clear |
| | 5: Black inside braid | | 2: Ash gray | | 2: Black |
| | 3: Red (3 mm inside dia. only) | | 3: Black | | 3: Light red |
| | 4: Ash gray with red stripe
(3 mm inside dia. only) | | 5: Black | | 6: Light red |
| | 6: Black | | | | 7: Pale black |

Lengths:

- 001: 1 m (standard)
003: 3 m
008: 8 m } Application or specification of some parts is not settled.

I.D code: (fuel hose and general purpose hose)

- | | | | | |
|------------|--------------------|--------------------|-----------------------------|-----------------------------|
| 30: 3.0 mm | 50: 5.0 mm | 70: 7.0 mm | 11: 11 mm | 12: 12 (outside dia. 17) mm |
| 35: 3.5 mm | 55: 5.3 mm, 5.5 mm | 75: 7.3 mm, 7.5 mm | 91: 12 (outside dia. 15) mm | 14: 14 mm |
| 45: 4.5 mm | 65: 6.5 mm | 80: 8.0 mm | 92: 12 (outside dia. 16) mm | 17: 17 mm |

ID./OD. code: (vinyl hose)

- | | | | | |
|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| 01: ID. 2.9, OD. 6.8 mm | 12: ID. 5.0, OD. 7.0 mm | 21: ID. 8.0, OD. 9.0 mm | 37: ID. 11.0, OD. 15.0 mm | 50: ID. 16.0, OD. 19.0 mm |
| 03: ID. 3.0, OD. 6.0 mm | 10: ID. 5.0, OD. 8.0 mm | 23: ID. 8.0, OD. 12.0 mm | 38: ID. 12.0, OD. 13.0 mm | 55: ID. 17.5, OD. 20.5 mm |
| 05: ID. 3.5, OD. 6.5 mm | 11: ID. 5.0, OD. 9.0 mm | 25: ID. 9.0, OD. 11.0 mm | 39: ID. 12.0, OD. 14.0 mm | 60: ID. 22.0, OD. 27.0 mm |
| 07: ID. 4.0, OD. 7.0 mm | 14: ID. 6.0, OD. 9.0 mm | 27: ID. 9.0, OD. 13.0 mm | 40: ID. 12.0, OD. 16.0 mm | |
| 08: ID. 4.5, OD. 6.5 mm | 17: ID. 7.0, OD. 9.0 mm | 33: ID. 10.0, OD. 14.0 mm | 43: ID. 13.0, OD. 15.0 mm | |
| 09: ID. 4.5, OD. 8.0 mm | 19: ID. 7.0, OD. 11.0 mm | 36: ID. 11.0, OD. 13.0 mm | 45: ID. 14.0, OD. 18.0 mm | |

Hose type:

- 1: Fuel hose
3: Vinyl hose
5: General hose

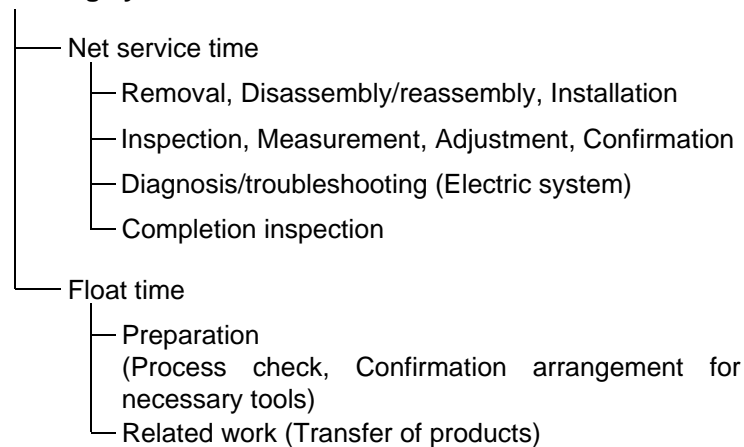
⊙ **CAUTION: It is DANGEROUS to confuse the fuel hose with the general purpose hose or vinyl hose.**

Never use a general purpose hose or vinyl hose in place of a fuel hose or vice versa. Always use the correct bulk part in the parts catalogue, according to the service manual or the instructions issued with the bulk part.

FLAT RATE SERVICE TIME

Flat rate service time (FRT) means the standard time required to service a product, which is listed in this manual to help the dealers control the actual working process and calculate the service charge by using it as a guide.

FRT setting system



* Float time is set by multiplying the net service time by a given coefficient.

Editorial style

The service items shown in the text are listed with the exchange work time for the repair sales parts as the subject. Other representative service items not using repair parts (removal/installation, adjustment, inspection/measuring, and other work) are listed collectively in the list in the preface, classified according to the work.

FRT setting standard

- Decimal system (in unit of 0.1) is adopted to set FRT as it is convenient to calculate the wage.
Example: (0.1) → 6 minutes, (0.2) → 12 minutes
[Labor cost per hour] x [FRT] = [Wage]
- FRT is set with a hand tool.
- Service items and FRT can be subject to change depending on development of tools and service equipment and improvement in service procedure.

Work procedure

- As the work procedure is set with the work time according to the method in the separate Service Manual, refer to this Manual as required.
- Work methods permitting servicing in the shortest time still permitting assurance of safe work and product warranty are used for the setting of service items not listed in the Service Manual.
- Work basically is to be performed by one person, and when two or more people are required, setting is done as the total time for the number of people.
- The set value for the technological level of the workers uses a person with three years of experience in the repair of Honda products as the standard.
- Special tools and service equipment used to set FRT are those specified or recommended in Service Manual.

Service item whose FRT is not presented

- Accessories and service parts that are not listed to use in this manual.
 - Locations with little aging deterioration or breakage during normal use.
 - Service work that can be finished by one touch.
 - Service work that is seldom done (i.e. extremely small causes of trouble and service frequency).
 - Products and parts whose location for installation differs according to its status of use and application.
- * When FRT is not presented, please calculate wages based on appropriate actual work time.

Operation not included of FRT

- Oil and coolant water draining, Waiting time for warming up operation and etc..
- Additional operation that involves removal/installation of standard exterior equipment.
- Indirect time spent for service by visiting the customer, trade-in, and delivery.
- Indirect time required for ordering and delivery of parts.
- Cost for grease, adhesive agent, etc. used for service work.

**Explanation of FRT by using an example
(The example may differ from the actual presented items)**

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
①	1111L1	(1, 3, 4, 7) VALVE, INTAKE4.1	②
②		• NOTE: OHV type	③
③	1111L1A	• Includes: Engine removal and installation One head (intake all) add1.4	④

- ① Reference No. of the illustration of part that shows location of the replacement work.
- ② FRT is an abbreviation of Flat Rate Time indicating the standard service time required for the replacement.
- ③ LON is an abbreviation of Labor Operation Number, and it is a classification of the service items by the work unit code.

The same operation code is used regardless of the models.

Standard operation is indicated with 6 digits code, and additional operation is indicated with 7 digits code.

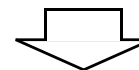
- ④ Indicating the intake valve replacement and FRT4.1.
- ⑤ Indicating FRT1.4 that will be added when additional operation (whole intake side of one cylinder head) is done in association with intake valve replacement.

- ⑥ Indicating work condition or application condition of the service item.
- ⑦ Indicating work contents that are included in the service item.
- ⑧ Indicating a reference No. whose operation and time are the same as FRT4.1 for the intake valve.

(The application range is limited to the service items without an LON setting within a same block.)

**How to refer to the service item by using the sample
(intake valve replacement)**

Open to the page of the block where the intake valve's spare part illustration is shown.



Look for the intake valve illustration, and refer to the service item and FRT that agree with the reference No.

Indication mark for the listing of service items that continues to the following page

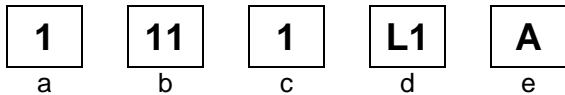
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2	1111L1	VALVE, INTAKE	4.1
	.	.	.
	.	.	.

+
Mark indicated at the last line.

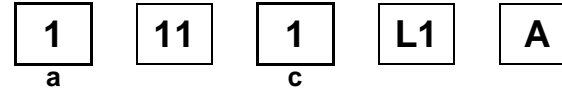
Indication of the block with no setting of FRT

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
NO INFORMATION			

• LON code system



- a) Category code..... Engine
- b) Location/function code..... Engine upper
- c) Operation code..... Replace
- d) Operation sequence number (Unit code can be shown with alphabet)
..... Intake valve
(No regular rule of code)
- e) Additional code One head (intake all)
(No regular rule of code)



a) Category codes and classification

Code	Category
1	Engine
2	Power drive
3	Fuel & Exhaust
4	Frame & Body
5	Steering
6	Electrical
7	Axle & Brake
8	Control system
9	-
0	Attachments

c) Operation codes and classification

Code	Operation category
1	Replace, Removal/Installation, Change
2	Overhaul
3	Adjust, Rotation
4	(Paint-related work: Top-coat)
5	Test, Inspect/diagnose, Measurement
6	(Overhaul-related work: Rebore)
7	(Overhaul-related work: Reseal)
8	(Resurface)
9	(Paint-related work: Refinish)
0	Repair, Cleaning, Air bleeding

Major service items without using spare parts
Removal/Installation, Adjustment, Inspection/Measurement, Other work

E: Engine, T: Transmission, D: Drive system, B: Body and related parts

• Removal/Installation

Set with the parts configuration in the status of being removed from the product.

	LON	DESCRIPTION	FRT
E	1001A0	ENGINE AND GENERATOR-REMOVAL/INSTALLATION	1.9
	3111Y8	THROTTLE BODY ASSEMBLY-REMOVAL/INSTALLATION	0.5
B	3101H1	FUEL TANK-REMOVAL/INSTALLATION	0.4
	6221B3	CONTROL PANEL ASSEMBLY-REMOVAL/INSTALLATION	0.8
	6221E2	INVERTER UNIT-REMOVAL/INSTALLATION	0.3

• Adjustment

	LON	DESCRIPTION	FRT
E	1113A1	VALVE CLEARANCE-ADJUSTMENT NOTE: For 1 product	0.4

• Inspection/Measurement

	LON	DESCRIPTION	FRT
E	1105A0	ENGINE OIL-INSPECTION	0.1
	1115A0	CYLINDER COMPRESSION-TEST	0.2
	3115A0	FUEL PRESSURE/DISCHARGE-TEST	0.2
B	6225A8	GENERATOR CONTROL UNIT-DIAGNOSE	0.4

• Other work

	LON	DESCRIPTION	FRT
E	1101E1	ENGINE OIL-CHANGE INCLUDES: Engine oil-inspection	0.1
	3120A0	AIR CLEANER-CLEANING INCLUDES: Air cleaner-inspection	0.2
	3130A0	SPARK ARRESTER-CLEANING INCLUDES: Spark arrester-inspection	0.2
	6140A0	SPARK PLUG-ADJUSTMENT/CLEANING INCLUDES: Spark plug check NOTE: For 1 product	0.1

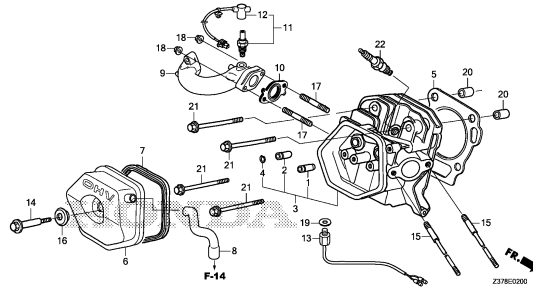
ENGINE GROUP

B13

E-2

CYLINDER HEAD

C 1

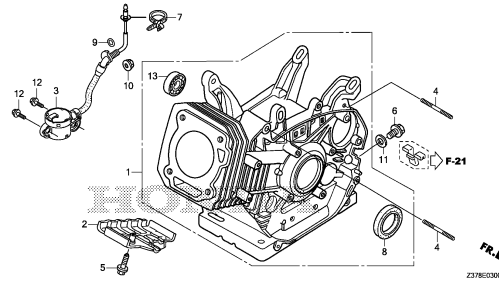


2378C0300

E-3

CYLINDER BARREL

C 2

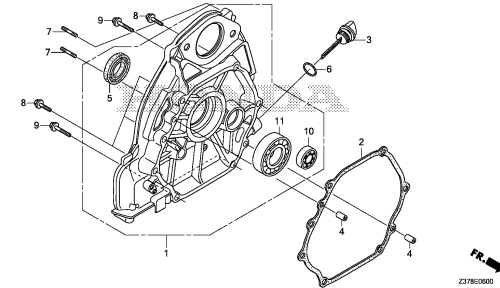


2378C0300

E-6

CRANKCASE COVER

C 3

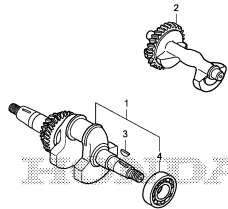


2378C0600

E-7

CRANKSHAFT

C 4

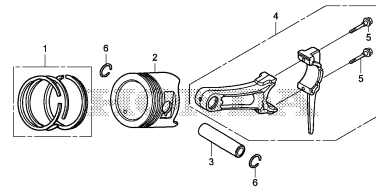


2378C0700

E-8

PISTON/CONNECTING ROD

C 5

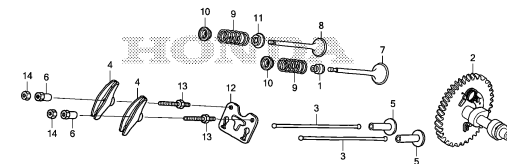


2378C0800

E-9

CAMSHAFT

C 6

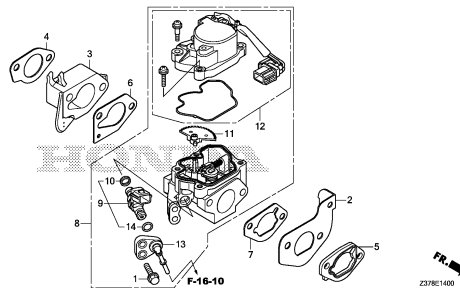


2378C0900

E-14

THROTTLE BODY

C 9

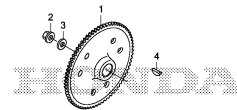


2378E1400

E-19

FLYWHEEL

C10

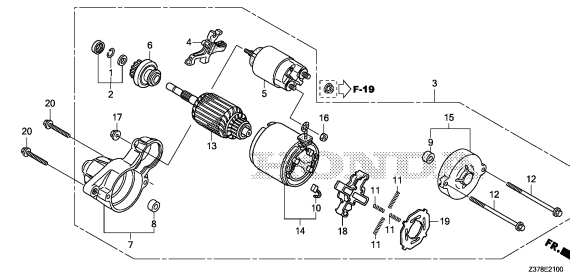


2378E1900

E-21

STARTER MOTOR

C11



2378E2100

2

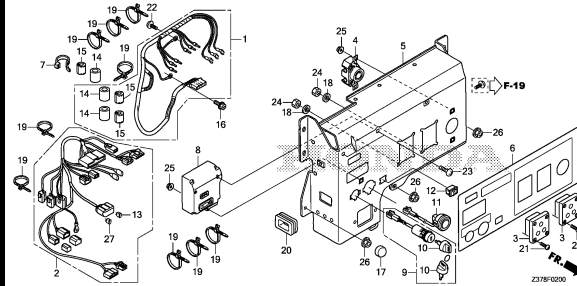
FRAME GROUP

B14

F-2

CONTROL PANEL

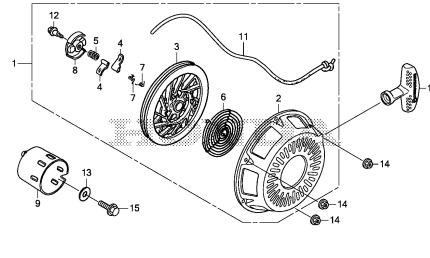
D 1



F-9

RECOIL STARTER

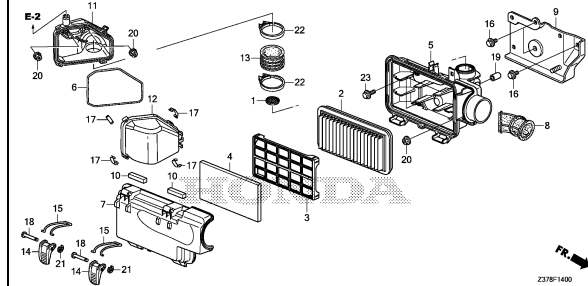
D 3



F-14

AIR CLEANER

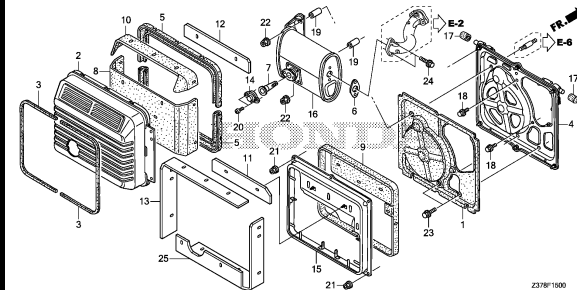
D 4



F-15

MUFFLER

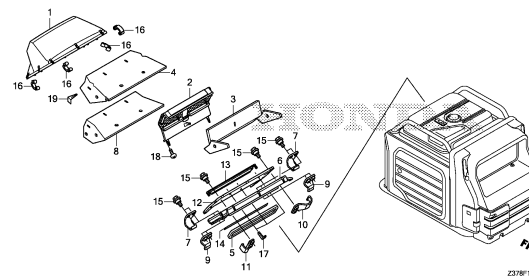
D 5



F-15-10

EXHAUST DUCT

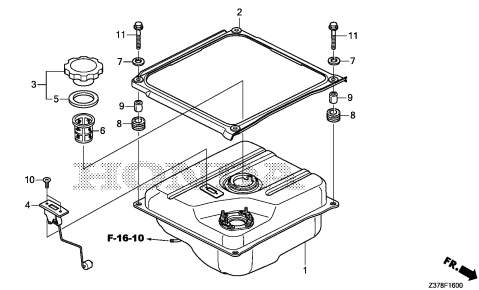
D 7



F-16

FUEL TANK

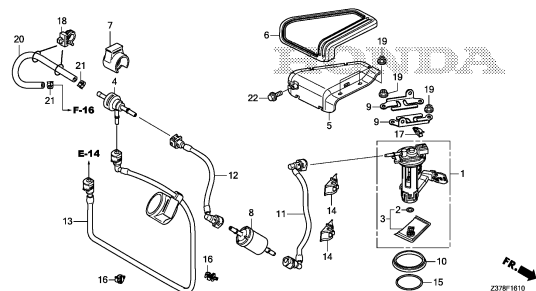
D 8



F-16-10

FUEL PUMP

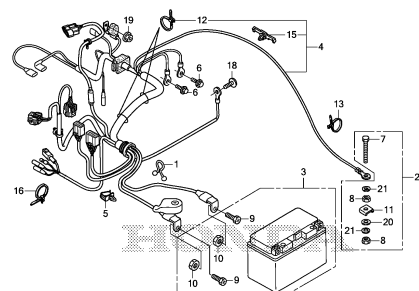
D 9



F-19

ENGINE WIRE HARNESS

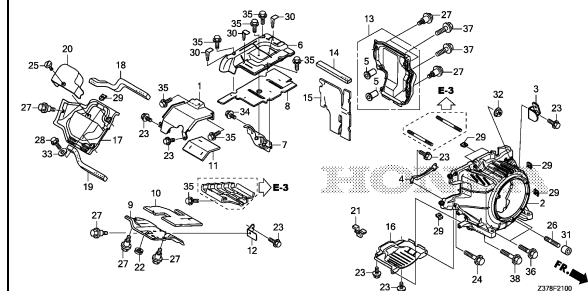
D10



F-21

SHROUD/FAN COVER

D11



3

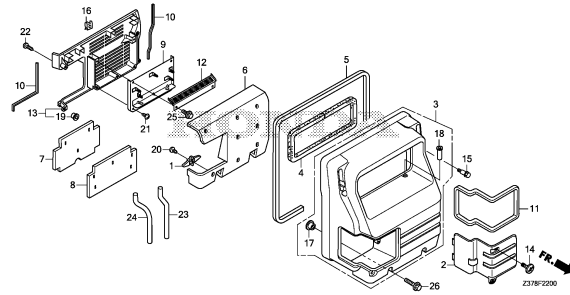
FRAME GROUP

B15

F-22

FRONT COVER

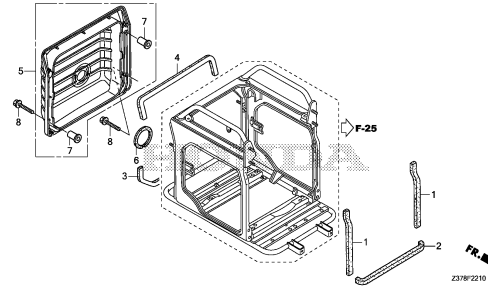
D13



F-22-10

REAR COVER

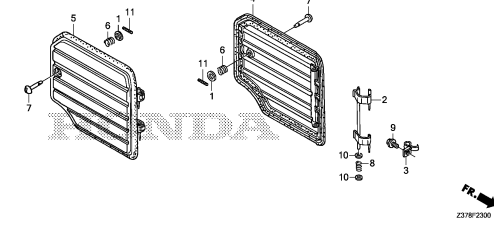
D15



F-23

MAINTENANCE COVER

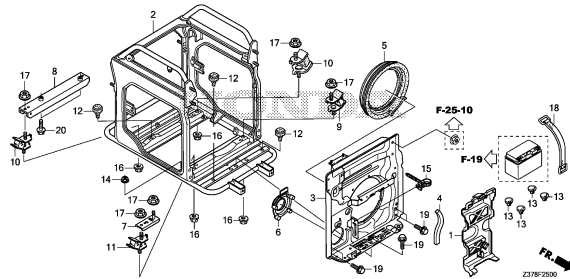
D16



F-25

FRAME

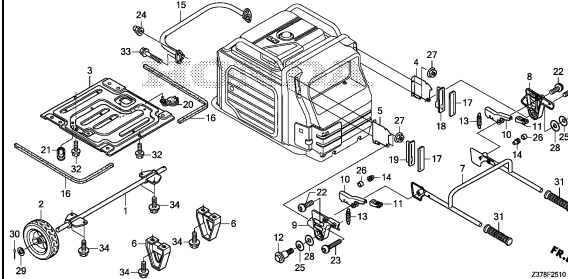
E 1



F-25-10

HANDLE/WHEEL

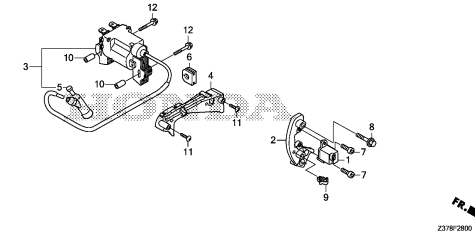
E 3



F-28

IGNITION COIL

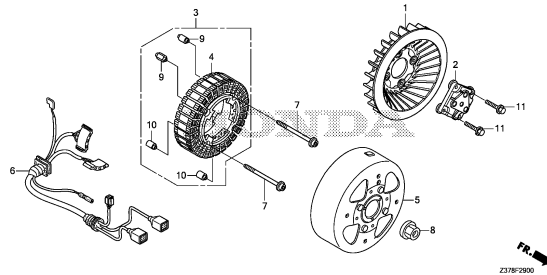
E 5



F-29

GENERATOR

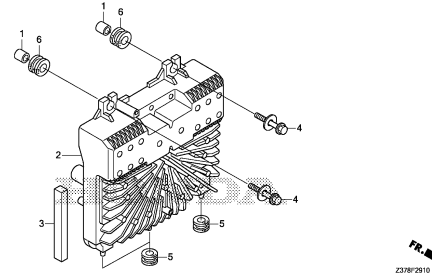
E 6



F-29-10

INVERTER

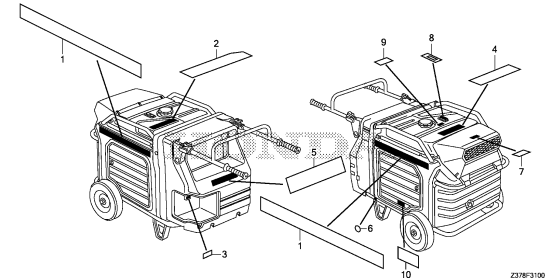
E 7



F-31

LABEL

E 8



3

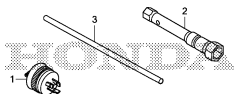
FRAME GROUP

B16

F-32

E 9

TOOL

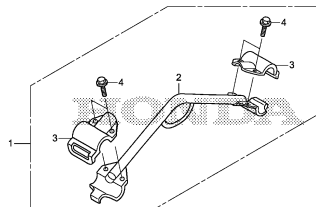


Z378F3200

FOP-1

E10

HANGER KIT

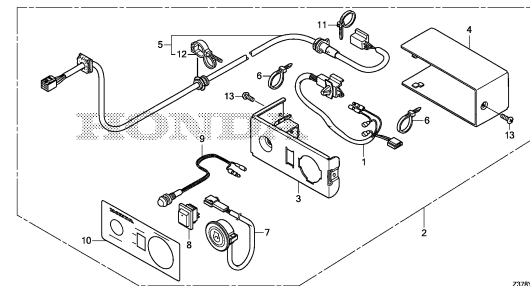


Z378Y0100

FOP-2

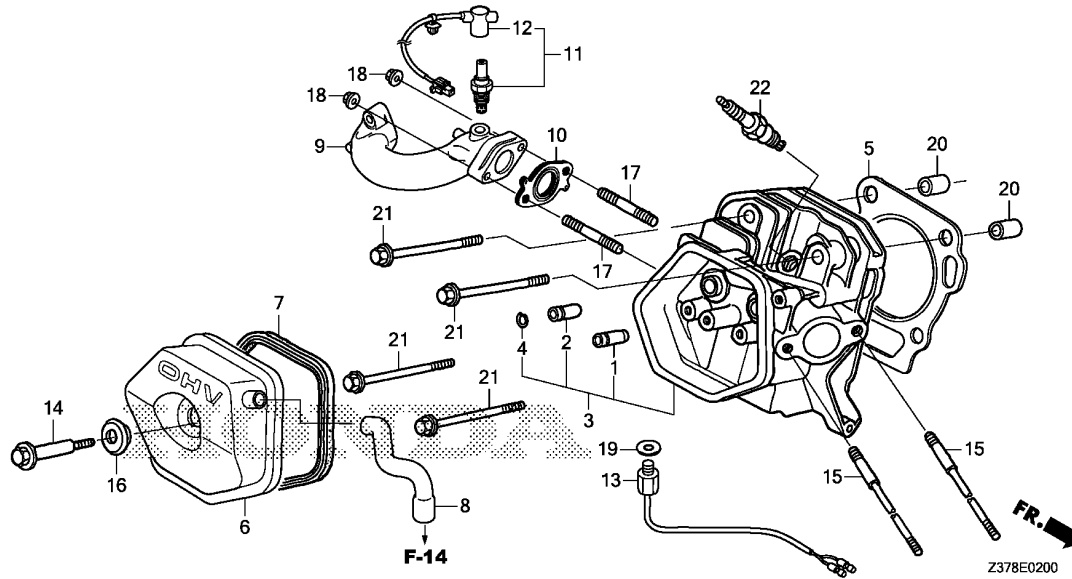
E11

REMOTE CONTROL BOX



Z378Y0200

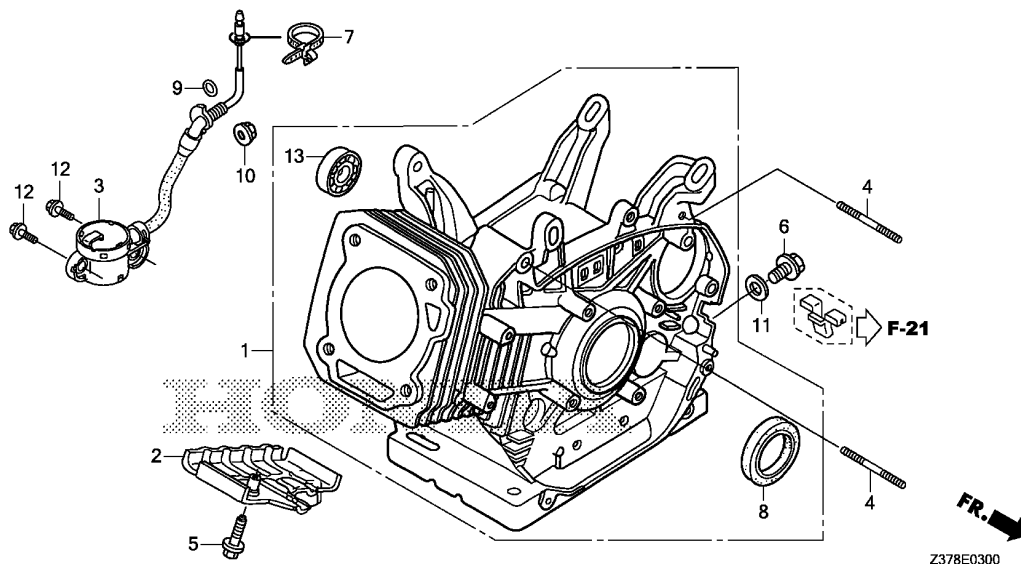
3



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1111E9	GUIDE, INTAKE VALVEINCLUDES: Valve clearance adjustment	2.5
	1111E9E	.Replace intake and exhaust all add	0.3
2	1111E8	GUIDE, EXHAUST VALVEINCLUDES: Valve clearance adjustment	2.5
	1111E8E	.Replace intake and exhaust all add	0.3
3	1111N3	HEAD, CYLINDERINCLUDES: Valve clearance adjustment and reface	2.4
5	1111N4	GASKET, CYLINDER HEAD	2.0
6	1111D5	CYLINDER HEAD COVER AND/OR PACKING	0.1
8	1111K5	TUBE, BREATHER	0.1
9	3131C9	PIPE, EXHAUST	0.6
10	3131B5	GASKET, EXHAUST PIPE	0.6
11	312175	SENSOR, OXYGEN	0.8
12	3121S0	CORD, OXYGEN SENSOR	0.8
13	6171C1	SENSOR, TEMPERATURE	0.4
22	6141C1	PLUG, SPARK	0.1
		.INCLUDES: Spark plug check	

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	12204-ZE2-306	GUIDE, IN. VALVE(O.S.)	1			
2	12205-ZK6-305	GUIDE, EX. VALVE(O.S.)	1			
3	12210-Z1C-406	HEAD COMP., CYLINDER	1			
4	12216-ZE2-300	CLIP, VALVE GUIDE	1			
5	12251-Z5T-003	GASKET, CYLINDER HEAD (NIPPON LEAKLESS)	1			
6	12310-ZE3-791	COVER COMP., HEAD (BREATHER TUBE JOINT)	1			
7	12391-ZE2-020	PACKING, HEAD COVER	1			
8	15721-Z1C-C00	TUBE, BREATHER	1			
9	18331-Z1C-C00	PIPE, EX.	1			
10	18333-Z1C-901	GASKET, EX. PIPE	1			
11	35655-Z1C-C31	SENSOR, OXYGEN(NGK)	1			
12	35657-Z1C-C01	CORD COMP., OXYGEN SENSOR ...	1			
13	35673-ZF6-F42	SENSOR ASSY., TEMPERATURE ...	1			
14	90014-Z5T-000	BOLT, HEAD COVER	1			
15	90042-Z1C-C30	BOLT, STUD, 8X126.5	2			
16	90441-ZE2-010	WASHER COMP., HEAD COVER	1			
17	92900-08032-0E	BOLT, STUD, 8X32	2			
18	94050-08000	NUT, FLANGE, 8MM	2			
19	94102-08800	WASHER, PLAIN, 8MM	1			
20	94301-12200	DOWEL PIN, 12X20	2			
21	95701-10080-00	BOLT, FLANGE, 10X80	4			
22	98079-56876	PLUG, SPARK(BPR6ES)(NGK)	1			





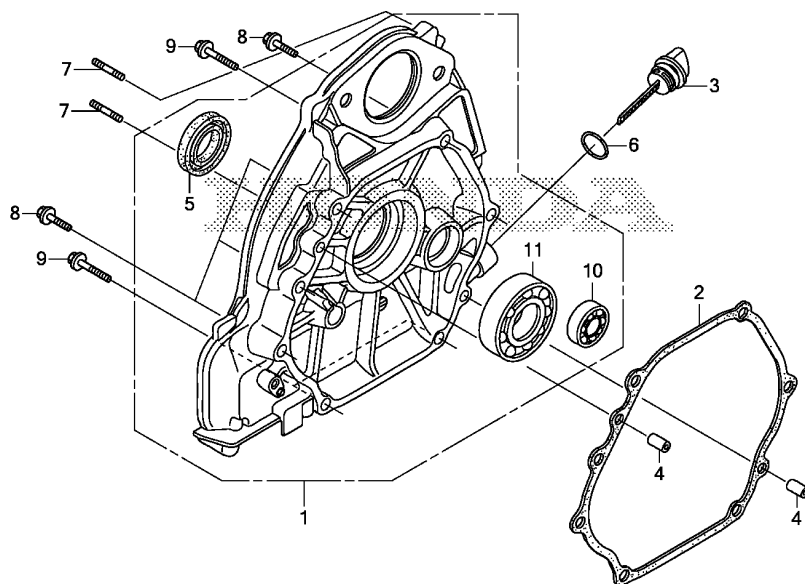
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1101A0	BARREL, CYLINDERINCLUDES: Engine removal and installation	3.8
2	4141E3	SHROUD, ENGINE (9)	0.3
3	6151E8	SWITCH, OIL LEVELINCLUDES: Engine removal and installation	3.6
8	1101E4	OIL SEAL, CRANKSHAFT :FRONT .. .INCLUDES: Engine removal and installation	3.8
13	1101F4	BEARING, BALANCER WEIGHT :FRONTINCLUDES: Engine removal and installation	3.9

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	12000-ZF6-Q20	BARREL ASSY., CYLINDER	1			
2	19645-Z11-000	SHROUD COMP., ENGINE	1			
3	35480-ZF6-003	SWITCH ASSY., OIL LEVEL	1			
4	90045-ZG1-750	BOLT, STUD, 6X30	2			
5	90121-952-000	BOLT, FLANGE, 6X25(CT200) ...	1			
6	90131-883-000	BOLT, DRAIN PLUG, 12X15	1			
7	90674-ZV1-003	BAND, CABLE	1			
8	91201-Z1C-003	OIL SEAL, 35X52X8(NOK)	1			
9	91353-671-004	O-RING, 14MM(NOK)	1			
10	94050-10080	NUT, FLANGE, 10MM	1			
11	94109-12000	WASHER, DRAIN PLUG, 12MM	1			
12	95701-06012-08	BOLT, FLANGE, 6X12	2			
13	96100-62020-00	BEARING, RADIAL BALL, 6202 ..	1			

E-6

CRANKCASE COVER

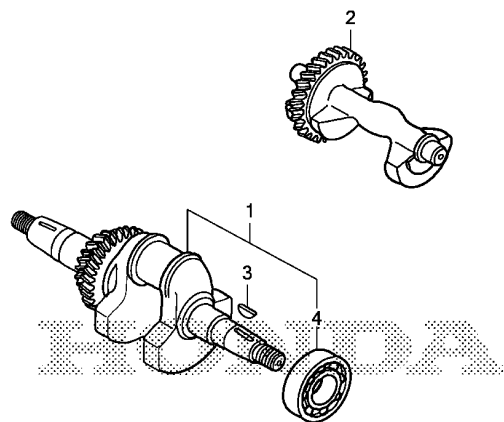
C 3



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1101F1	COVER, CRANKCASEINCLUDES: Engine removal and installation	3.5
2	1101E9	PACKING, CRANKCASE COVERINCLUDES: Engine removal and installation	3.5
5	1101E5	OIL SEAL, CRANKSHAFT :REARINCLUDES: Engine removal and installation	3.5
10	1101F5	BEARING, BALANCER WEIGHT :REAR .INCLUDES: Engine removal and installation	3.5
11	1101A6	BEARING, CRANKSHAFT :REARINCLUDES: Engine removal and installation	3.7

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	11300-ZF6-415	COVER ASSY., CRANKCASE	1			
2	11381-Z5T-000	PACKING, CRANKCASE COVER	1			
3	15620-ZE2-700	CAP, OIL FILLER	1			
4	90701-HC4-000	DOWEL PIN, 8X12	2			
5	91201-Z1C-003	OIL SEAL, 35X52X8(NOK)	1			
	91201-ZE3-004	OIL SEAL, 35X52X8(ARAI)	1			
6	91301-805-000	O-RING, 26X2.7	1			
7	92900-08055-0B	BOLT, STUD, 8X55	2			
8	95701-08040-00	BOLT, FLANGE, 8X40	4			
9	95701-08060-00	BOLT, FLANGE, 8X60	3			
10	96100-62020-00	BEARING, RADIAL BALL, 6202 ..	1			
11	96100-62070-00	BEARING, RADIAL BALL, 6207 ..	1			

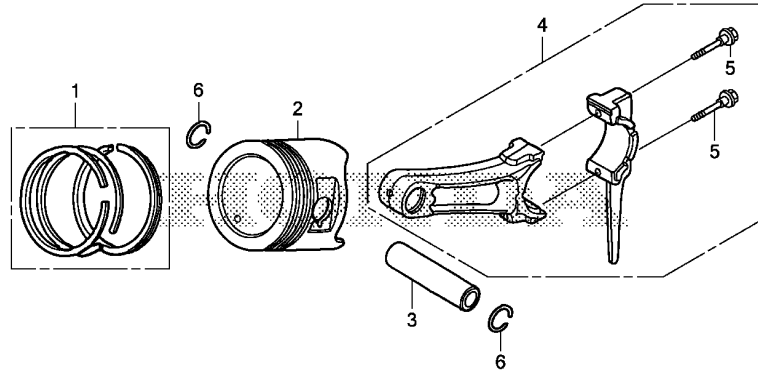
2



FR. →
Z378E0700

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1101F0	CRANKSHAFTINCLUDES: Engine removal and installation	3.6
2	1101D8	WEIGHT, BALANCERINCLUDES: Engine removal and installation	3.5
4	1101A4	BEARING, CRANKSHAFT :FRONTINCLUDES: Engine removal and installation	3.7

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	13310-ZF6-F42	CRANKSHAFT COMP.	1		
2	13351-Z1C-900	WEIGHT, BALANCER	1		
3	90741-ZE2-000	KEY, SPECIAL WOODRUFF, 25X18	1		
4	91001-ZF6-013	BEARING, RADIAL BALL, 6207SH	1		

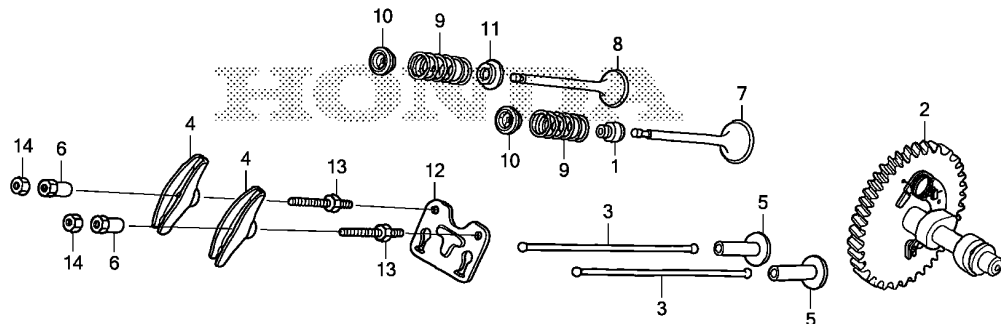


FR. Z378E0800

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2		(1,3,4)	
1111R1		PISTON AND/OR RING SET AND/OR BEARING AND/OR RODINCLUDES: Engine removal and installation .INCLUDES: Inspection/Measurement/Cleaning	3.8

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	13010-Z1C-C01	RING SET, PISTON(STD.)	1			
	13011-Z1C-C01	RING SET, PISTON(0.25)	(1)			
	13012-Z1C-C01	RING SET, PISTON(0.50)	(1)			
	13013-Z1C-C01	RING SET, PISTON(0.75)	(1)			
2	13101-Z1C-900	PISTON	1			
	13102-Z5T-800	PISTON(0.25)	(1)			
	13103-Z5T-800	PISTON(0.50)	(1)			
	13104-Z5T-800	PISTON(0.75)	(1)			
3	13111-Z5T-000	PIN, PISTON	1			
4	13200-Z1C-305	ROD ASSY., CONNECTING (0.25 UNDER SIZE)	(1)			
	13200-Z1C-900	ROD ASSY., CONNECTING	1			
5	90001-ZE8-000	BOLT, CONNECTING ROD	2			
6	90601-ZE3-000	CLIP, PISTON PIN, 20MM	2			

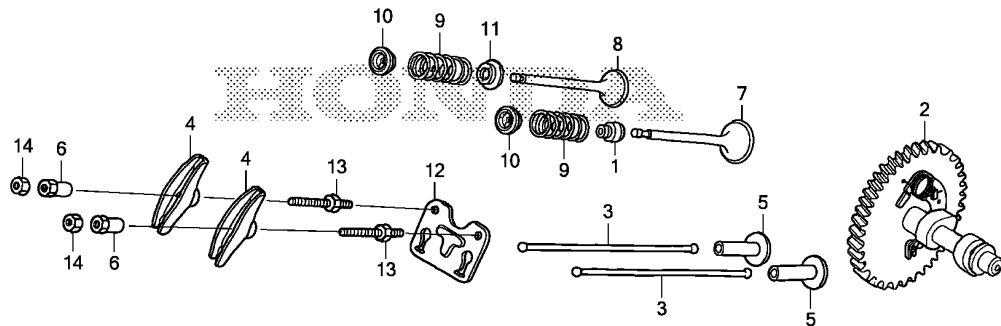




FR. →
Z378E0900

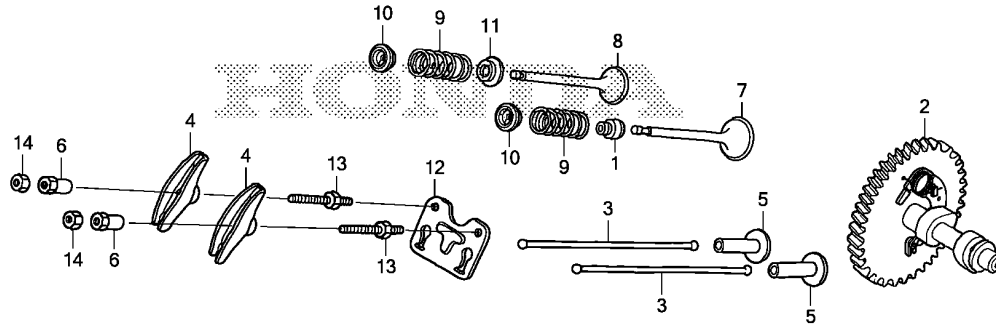
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1111K2	SEAL, INTAKE VALVE STEMINCLUDES: Valve clearance adjustment	1.9
2	1111C2	CAMSHAFTINCLUDES: Engine removal and installation .INCLUDES: Valve clearance adjustment	3.5
3	1111L6	ROD, PUSH :INTAKEINCLUDES: Valve clearance adjustment	0.4
	1111L7	ROD, PUSH :EXHAUSTINCLUDES: Valve clearance adjustment	0.4
	1111L8	ROD, PUSH :BOTHINCLUDES: Valve clearance adjustment	0.5
4	1111A2	ARM, ROCKER :INTAKEINCLUDES: Valve clearance adjustment	0.4
	1111A2A	.Replace exhaust rocker arm add	0.1
	1111A1	ARM, ROCKER :EXHAUSTINCLUDES: Valve clearance adjustment	0.4

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	12209-ZE8-003	SEAL, VALVE STEM	1			
2	14100-Z5T-910	CAMSHAFT COMP.(STD.)	1			
3	14410-Z1C-000	ROD, PUSH	2			
4	14431-ZE2-010	ARM, VALVE ROCKER	2			
5	14441-ZE2-000	LIFTER, VALVE	2			
6	14451-ZE1-013	PIVOT, ROCKER ARM	2			
7	14711-Z1C-810	VALVE, IN.	1			
8	14721-Z1C-C00	VALVE, EX.(FI)	1			
9	14751-Z1C-000	SPRING, VALVE	2			
10	14771-Z8S-000	RETAINER, IN. VALVE SPRING ..	2			
11	14775-ZE2-010	SEAT, VALVE SPRING	1			
12	14791-Z1D-000	GUIDE, PUSH ROD	1			
13	90012-ZE0-010	BOLT, PIVOT, 8MM	2			
14	90206-ZE1-000	NUT, PIVOT ADJUSTING	2			



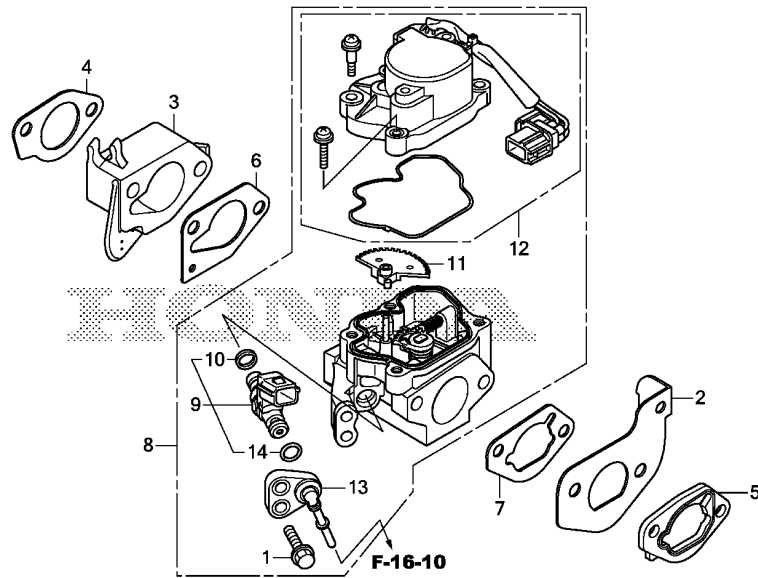
FR. Z378E0900

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
+ 4	1111A1A	.Replace intake rocker arm add	0.1
5	1111L9	LIFTER, VALVE :INTAKE	3.5
		.INCLUDES: Engine removal and installation	
		.INCLUDES: Valve clearance adjustment	
	1111M0	LIFTER, VALVE :EXHAUST	3.5
		.INCLUDES: Engine removal and installation	
		.INCLUDES: Valve clearance adjustment	
	1111M1	LIFTER, VALVE :BOTH	3.5
		.INCLUDES: Engine removal and installation	
		.INCLUDES: Valve clearance adjustment	
7	1111L1	VALVE, INTAKE	2.2
		.INCLUDES: Valve clearance adjustment and reface	
	1111L1E	.Replace intake and exhaust all add	0.2
8	1111L0	VALVE, EXHAUST	2.2
		.INCLUDES: Valve clearance adjustment and reface	



FR. 
Z378E0900

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
+ 8	1111L0E	.Replace intake and exhaust all add	0.2
9	1111P3	SPRING, VALVE :INTAKE	2.1
		.INCLUDES: Valve clearance adjustment	
	1111P3A	.Replace intake and exhaust all add	0.1
	1111P4	SPRING, VALVE :EXHAUST	2.1
		.INCLUDES: Valve clearance adjustment	
	1111P4A	.Replace intake and exhaust all add	0.1



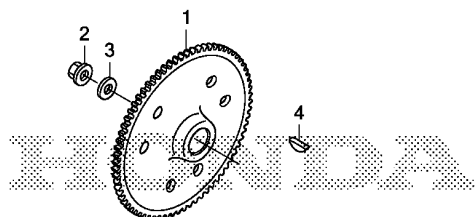
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
3		(4)	
3111Z1		THROTTLE BODY INSULATOR AND/OR PACKING	0.5
5	3121F1	SPACER, THROTTLE BODY	0.2
6	3121H9	PACKING, THROTTLE BODY	0.5
7		(2)	
3121D9		PACKING, AIR CLEANER	0.3
8	3121F5	THROTTLE BODY	0.6
9		(10,14)	
3111B9		INJECTOR, FUEL	0.4
11	3111Z0	GEAR, THROTTLE BODY MIDDLE ...	0.5
12	6151F0	MOTOR, THROTTLE CONTROL	0.6
13	3111Y9	JOINT, INJECTOR	0.3

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	16080-KPH-701	BOLT, FLANGE, 5X20	2			
2	16105-Z1C-C00	HOLDER, COUPLER	1			
3	16211-Z1C-C00	INSULATOR, THROTTLE BODY	1			
4	16212-Z5T-000	PACKING, CARBURETOR INSULATOR	1			
5	16220-ZA0-702	SPACER COMP., CARBURETOR	1			
6	16221-Z1C-C00	PACKING, THROTTLE BODY	1			
7	16269-Z1C-D90	PACKING, AIR CLEANER	1			
8	16400-Z1C-C01	THROTTLE BODY ASSY.(BLHOA A)	1			
9	16450-Z1C-C01	INJECTOR ASSY., FUEL	1			
10	16472-KPC-D50	RING, SEAL	1			
11	16614-Z2E-003	GEAR, MIDDLE	1			
12	16646-Z1C-C01	COVER ASSY., MOTOR	1			
13	17560-GGL-J00	JOINT COMP., INJECTOR	1			
14	91301-KZL-931	O-RING, 6.3X2.2	1			



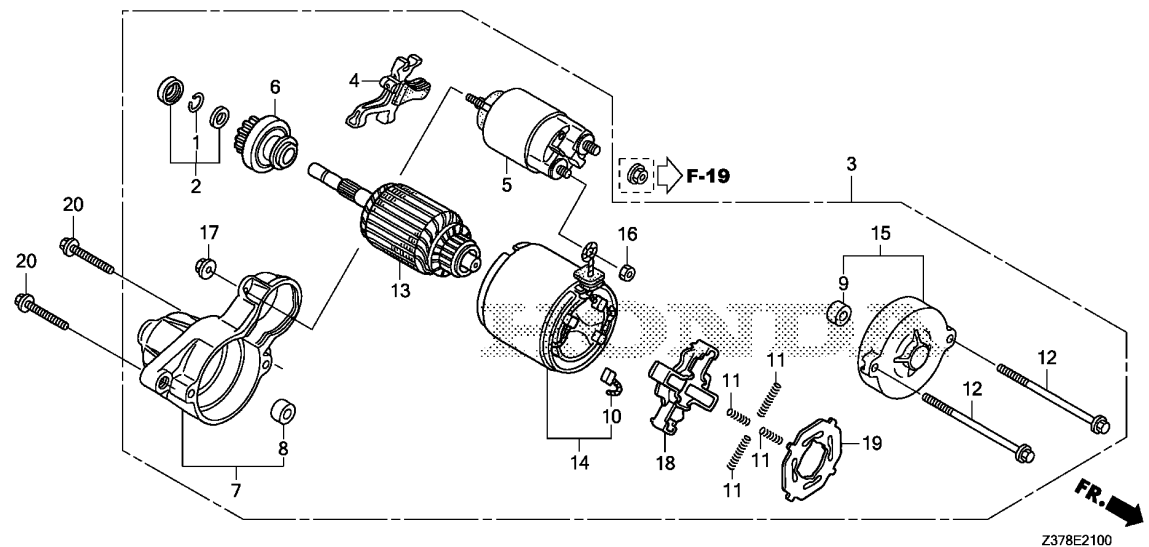
Ref. No.	L.O.N. (Relative ref. Number)	Description	F.R.T.
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1	2161B5	FLYWHEEL	0.8
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Z378E1900

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	31110-ZF6-F40	FLYWHEEL COMP.	1		
2	90201-ZE3-V00	NUT, SPECIAL, 16MM	1		
3	90473-ZF6-F40	WASHER, FLYWHEEL	1		
4	90741-ZE2-000	KEY, SPECIAL WOODRUFF, 25X18	1		



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
3	6121D5	MOTOR, STARTER	1.3
5	6121C9	SWITCH, STARTER MAGNETIC	1.4
6	6121B0	CLUTCH, OVERRUNNING	1.6
7	6121C2	HOUSING, DRIVE SIDE	1.5
10	6121A9	BRUSH, STARTER	1.5
11	6121G0	SPRING, STARTER BRUSH	1.4
.NOTE: Same time for two units or more			
13	6121A0	ARMATURE, STARTER	1.7
14	6121D1	YOKE, STARTER	1.4
18	6121B6	HOLDER, STARTER BRUSH	1.4

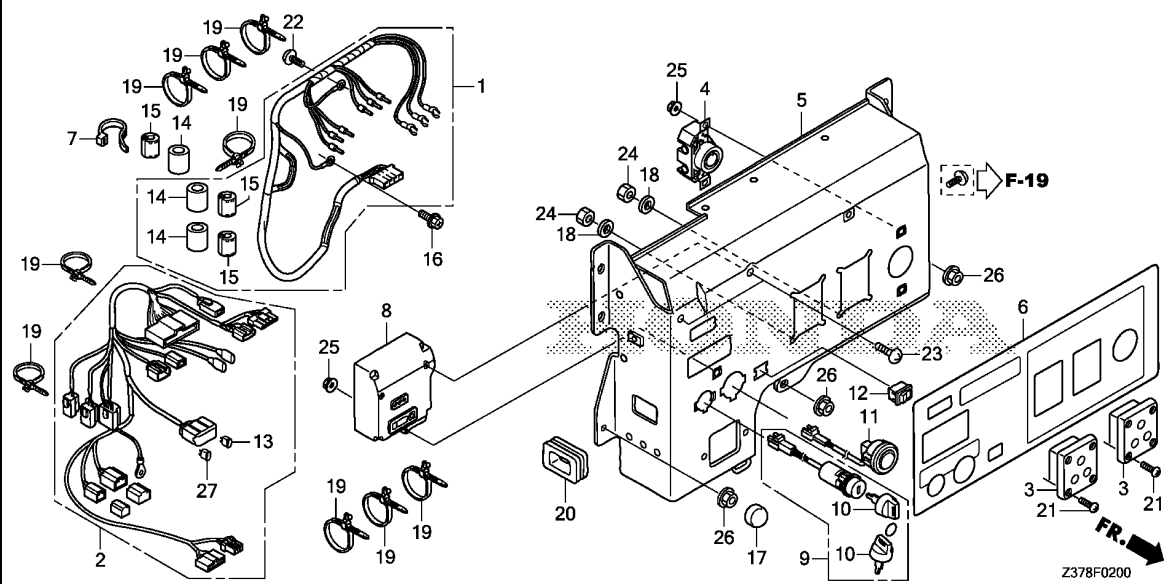
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	30201-PH9-004	RING, SNAP(DENSO)	1			
2	30202-PZ1-003	COLLAR SET, CLUTCH STOP	1			
3	31200-Z1C-C01	MOTOR ASSY., STARTER(DENSO)	1			
4	31203-Z1C-C01	LEVER, PINION DRIVE	1			
5	31204-Z2E-003	SWITCH ASSY., MAGNET	1			
6	31207-ZF6-F41	CLUTCH COMP., OVERRUNNING	1			
7	31208-ZF6-F41	HOUSING COMP., DRIVE SIDE	1			
8	31209-PH9-004	BEARING A	1			
9	31210-PH9-004	BEARING B	1			
10	31211-PH9-004	BRUSH	4			
11	31212-PH9-004	SPRING, BRUSH	4			
12	31214-PH9-004	BOLT, THROUGH	2			
13	31217-Z1C-C01	ARMATURE COMP.	1			
14	31218-PH9-004	YOKE COMP.	1			
15	31219-ZF6-F41	FRAME COMP., COMMUTATOR END	1			
16	31220-PH9-004	NUT, HEX., 8MM	1			
17	31223-RYE-A01	NUT	2			
18	31231-PH9-004	HOLDER, BRUSH	1			
19	31233-PH9-004	INSULATOR, BRUSH HOLDER	1			
20	95701-10035-00	BOLT, FLANGE, 10X35	2			



F-2

CONTROL PANEL

D 1

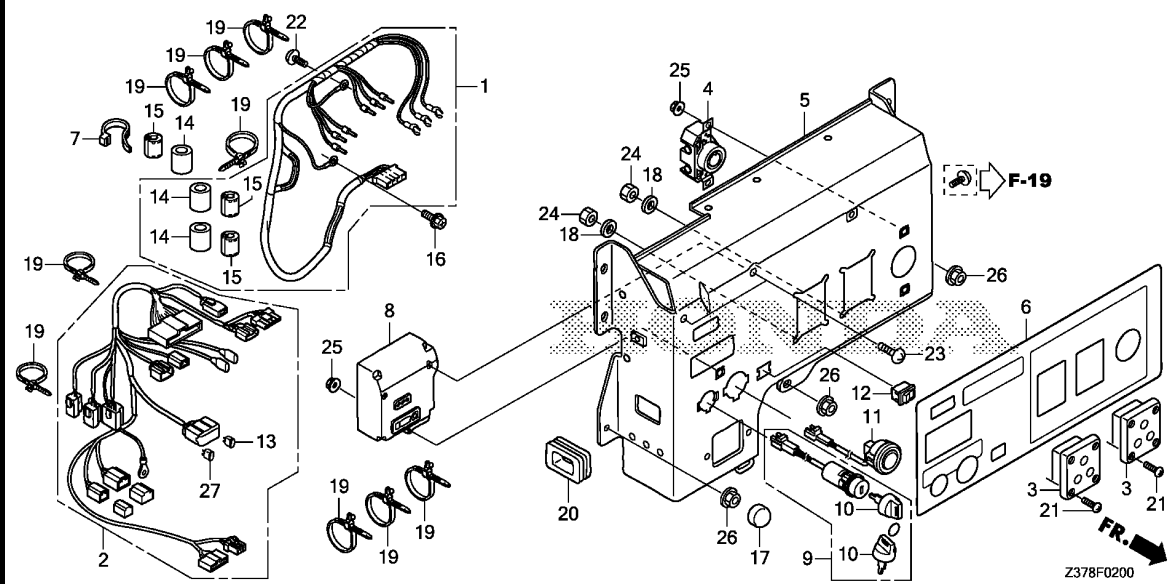


Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	6111C3	HARNESS, MAIN WIRE	1.1
2	6111B9	HARNESS, CONTROL WIRE	1.0
3		(4)	
	6221D5	RECEPTACLE/CONSENT, CONTROL PANEL	0.8
	6221E5	RECEPTACLE/CONSENT, CONTROL PANEL :ALL	0.9
5	6221N9	PANEL, GENERATOR CONTROL	1.1
8	6201C2	CONTROL UNIT, GENERATOR	0.9
9	6151E1	SWITCH, COMBINATION	0.8
11	6151F4	SWITCH, START	0.8
12	6151E5	SWITCH, AUTO THROTTLE	0.8
15	6221P4	FILTER, SUB NOISE	0.9
		.NOTE: Upper side	
	6221T9	FILTER, SUB NOISE(A)	0.4
		.NOTE: Lower side	

Z378F0200

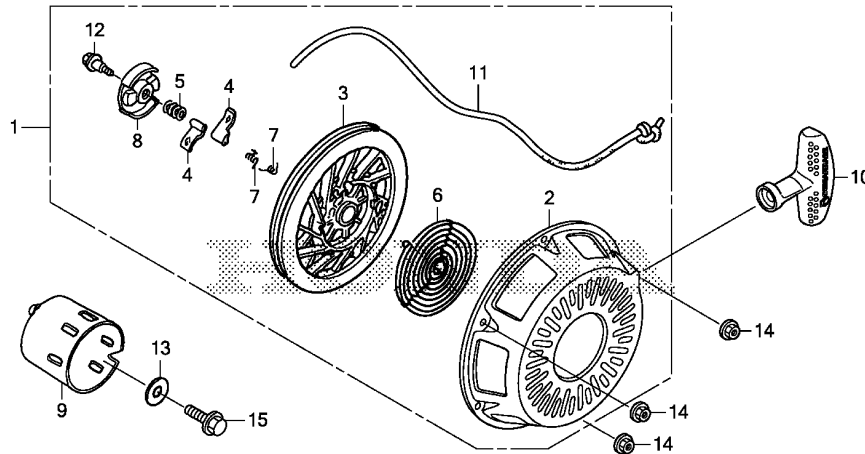
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	32100-Z37-R00	HARNESS ASSY., MAIN WIRE	1			
2	32150-Z37-R00	HARNESS ASSY., CONTROL WIRE ..	1			
3	32330-ZC5-K41	CONSENT(15A/250V)	2			
4	32331-Z26-E81	RECEPTACLE(30A-250V)	1			
5	32346-Z37-R00	PANEL, CONTROL	1			
6	32366-Z37-R00	MARK, PANEL	1			
7	32727-PE1-660	BAND, TUBE	1			
8	34110-Z37-R01	CONTROL UNIT, GENERATOR	1			
9	35100-Z37-A31	SWITCH ASSY., COMBINATION ...	1			
10	35110-766-003	KEY ASSY., COMBINATION SWITCH (RED)	2			
11	35150-Z37-A32	SWITCH ASSY., START	1			
12	36214-Z11-A01	SWITCH COMP., AUTO-THROTTLE (OTAX)	1			
13	38206-797-A01	FUSE, BLADE(3A)	1			
14	38398-Z07-C60	SUPPORTER, FILTER	3			
15	38398-Z37-000	FILTER, SUB NOISE(AC)	3			
16	90031-875-000	SCREW, TAPPING, 5X12	1			
17	90083-ZY3-A01	CAP, BOLT(16X9.5)	1			
18	90504-ZC5-N40	WASHER, PLAIN, 3MM	8			
19	90672-SB2-003	STRAP, CABLE, 105MM(BLACK) ..	9			
20	91654-Z11-000	GROMMET, CONTROL HARNESS	1			
21	93500-03012-1H	SCREW, PAN, 3X12	8			
22	93500-05008-3J	SCREW, PAN, 5X8	1			
23	93500-05012-0G	SCREW, PAN, 5X12	2			

3



Z378F0200

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
24	94001-03080-0S	NUT, HEX., 3MM	8			
25	94050-04000	NUT, FLANGE, 4MM	3			
26	94050-06080	NUT, FLANGE, 6MM	3			
27	98200-31500	FUSE, BLADE (15A)	1			

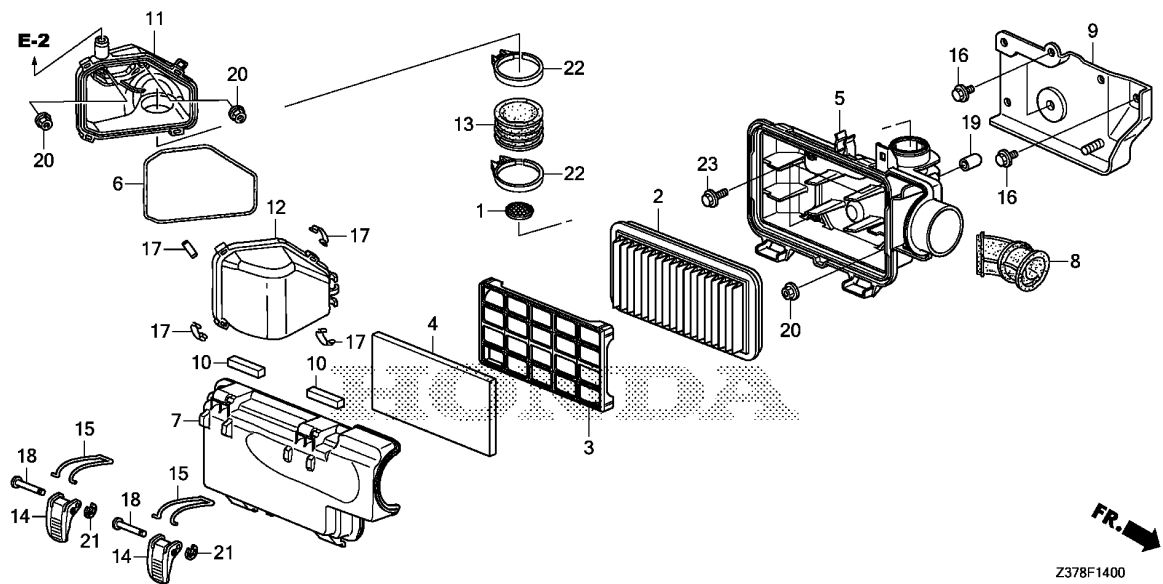


Z378F0900

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	1121B9	STARTER, RECOIL	0.5
3	1121B1	REEL, RECOIL STARTER	0.6
4	1121B0	STARTER RATCHET AND/OR SPRING .NOTE: Same time for two units	0.5
6	1121B7	SPRING, RECOIL STARTER RETURN (5)	0.6
8	1121A4	GUIDE, RATCHET	0.5
9	1121A9	PULLEY, RECOIL STARTER	1.8
10	1121A3	GRIP, RECOIL STARTER	0.1
11	1121B3	ROPE, RECOIL STARTER	0.6

3

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	28400-Z37-003	STARTER ASSY., RECOIL	1		
2	28410-Z11-003	CASE COMP., RECOIL STARTER ..	1		
3	28421-ZE3-W01	PULLEY, RECOIL STARTER	1		
4	28422-ZE2-W01	RATCHET, STARTER	2		
5	28441-ZE2-W01	SPRING, FRICTION	1		
6	28442-ZE2-W01	SPRING, STARTER RETURN	1		
7	28443-ZE2-W01	SPRING, RATCHET	2		
8	28444-ZE2-W01	RETAINER, SPRING	1		
9	28451-Z25-R50	PULLEY, STARTER	1		
10	28461-Z37-000	GRIP, STARTER	1		
11	28462-ZK3-003	ROPE, RECOIL STARTER	1		
12	90004-ZE2-W01	SCREW, CENTER	1		
13	90409-952-000	WASHER, 10MM	1		
14	94050-06080	NUT, FLANGE, 6MM	3		
15	95701-10025-08	BOLT, FLANGE, 10X25	1		



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	3121F6	TRAP, FRAME	0.2
2	3121B8	ELEMENT, AIR CLEANER	0.1
		.INCLUDES: Air cleaner element -inspection	
4	3121C1	FILTER, OUTER	0.1
		.INCLUDES: Outer filter-inspection	
5	3121A5	CASE, AIR CLEANER	0.2
6	3121P8	SEAL, AIR CLEANER CHAMBER	0.1
8	3121P9	RUBBER, AIR CLEANER	0.2
11	3121P7	CASE, AIR CLEANER CHAMBER	0.2
13	3121K5	TUBE, AIR CLEANER CONNECTING ..	0.2

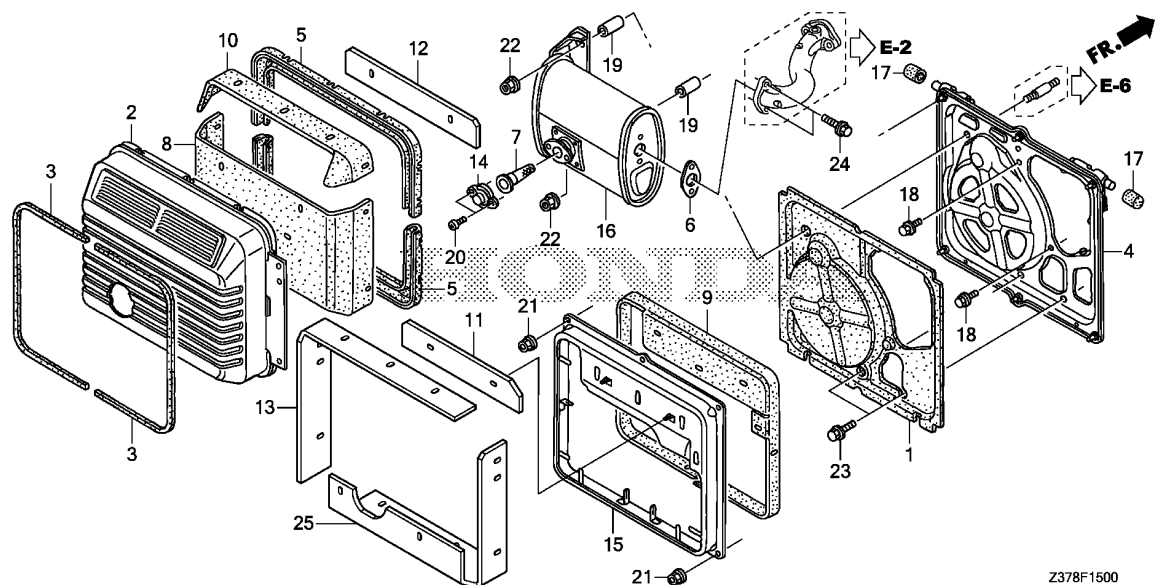
Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	17203-ZY1-000	TRAP, FLAME	1		
2	17211-Z3S-003	ELEMENT, AIR CLEANER	1		
3	17212-Z0A-010	GRID, AIR CLEANER	1		
4	17218-Z0A-810	FILTER, OUTER	1		
5	17220-Z37-000	CASE COMP., AIR CLEANER	1		
6	17229-Z25-000	SEAL, AIR CLEANER CHAMBER ...	1		
7	17231-Z37-000	COVER, AIR CLEANER	1		
8	17232-Z25-000	RUBBER, AIR CLEANER	1		
9	17233-Z37-000	BRACKET, AIR CLEANER	1		
10	17252-Z37-000	SEAL, AIR CLEANER	2		
11	17270-Z25-000	CASE COMP., AIR CLEANER			
		CHAMBER	1		
12	17273-Z25-010	COVER, AIR CLEANER CHAMBER ..	1		
13	17274-Z25-000	TUBE, AIR CLEANER CONNECTING	1		
14	63232-Z37-000	LEVER, FASTENER	2		
15	63237-Z37-000	SPRING, FASTENER WIRE	2		
16	90014-952-000	BOLT, FLANGE, 6X14(CT200) ...	3		
17	90659-Z35-000	CLAMP, CASE	4		
18	90754-ZY9-000	PIN, 5X44.5	2		
19	90852-Z23-F10	CAP, SEALING	1		
20	94050-06080	NUT, FLANGE, 6MM	3		
21	94540-04029	E-RING, 4MM	2		
22	95018-54250	BAND, AIR CLEANER CONNECTING			
		TUBE(54)	2		
23	95701-06022-08	BOLT, FLANGE, 6X22	3		



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MUFFLER

D 5

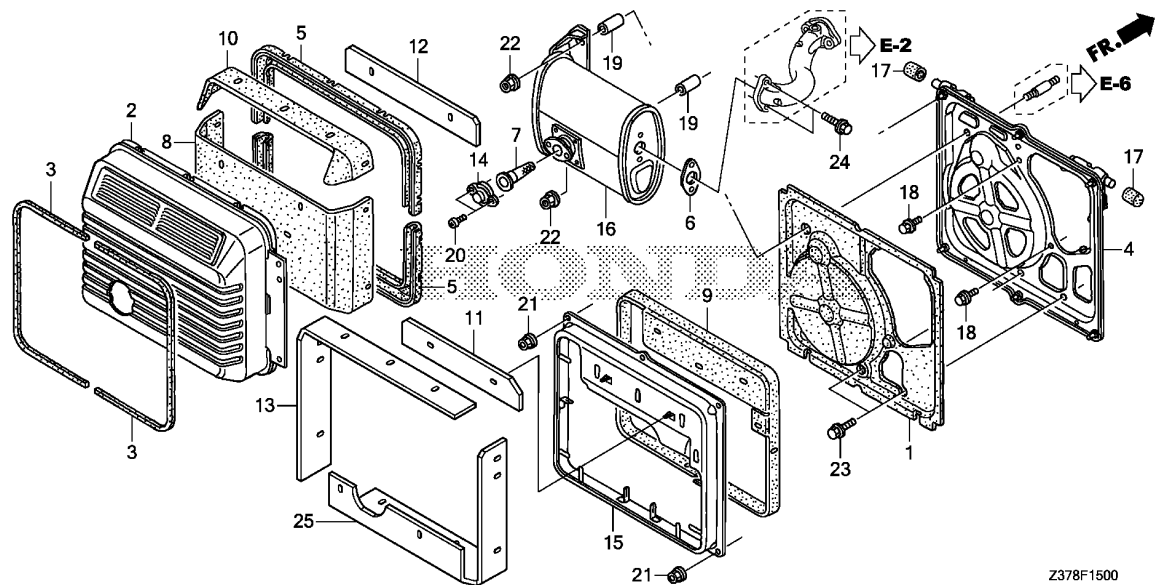


Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	3131H7	SEPARATOR, MUFFLER :INNER (3)	0.5
2	3131D9	PROTECTOR, EXHAUST MUFFLER :OUTER	0.4
4	3131D8	PROTECTOR, EXHAUST MUFFLER :INNER	0.8
5	3131G6	SEAL, MUFFLER PROTECTOR	0.5
.NOTE: Same time for two units			
6	3131H9	GASKET, EXHAUST PIPE(A)	0.4
7	3131A1	ARRESTER, SPARK	0.1
.INCLUDES: Spark arrester check			
8	3131P1	INSULATOR, MUFFLER PROTECTOR (A)	0.4
9	3131P2	INSULATOR, MUFFLER PROTECTOR (B)	0.5
10	3131P3	(11,12,13,25) INSULATOR, MUFFLER PROTECTOR (C)	0.4
14	3131D0	PIPE, EXHAUST TAIL	0.1
15	3131P4	GUIDE, EXHAUST AIR	0.5
16	3131C5	MUFFLER, EXHAUST	0.4

Z378F1500

3

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	18318-Z25-R50	SEPARATOR, MUFFLER INNER	1			
2	18320-Z37-R00ZA	PROTECTOR COMP., MUFFLER OUTER *NH105*...MAT BLACK (#15-#20)	1			
3	18322-Z25-000	SEAL, 10X5X785	2			
4	18325-Z11-R30	PROTECTOR COMP., MUFFLER INNER	1			
5	18329-Z25-000	SEAL, MUFFLER PROTECTOR	2			
6	18333-ZB7-800	GASKET, EX. PIPE	1			
7	18355-Z11-A30	ARRESTER, SPARK	1			
8	18376-Z11-A60	INSULATOR, MUFFLER PROTECTOR (A)	1			
9	18377-Z25-000	INSULATOR, MUFFLER PROTECTOR (B)	1			
10	18378-Z25-000	INSULATOR, MUFFLER PROTECTOR (C)	1			
11	18379-Z37-R00	INSULATOR, MUFFLER PROTECTOR (D)	1			
12	18380-Z37-R00	INSULATOR, MUFFLER PROTECTOR (E)	1			
13	18381-Z37-R00	INSULATOR, MUFFLER PROTECTOR (F)	1			
14	18390-Z25-000	PIPE COMP., EX. TAIL	1			
15	18510-Z37-R00	GUIDE COMP., EX. AIR	1			
16	18710-Z37-000	MUFFLER COMP.	1			
17	50388-Z11-000	RUBBER, STOPPER	2			
18	90013-883-000	BOLT, FLANGE, 6X12(CT200) ...	2			
19	91554-Z25-000	COLLAR, MUFFLER	2			



Z378F1500

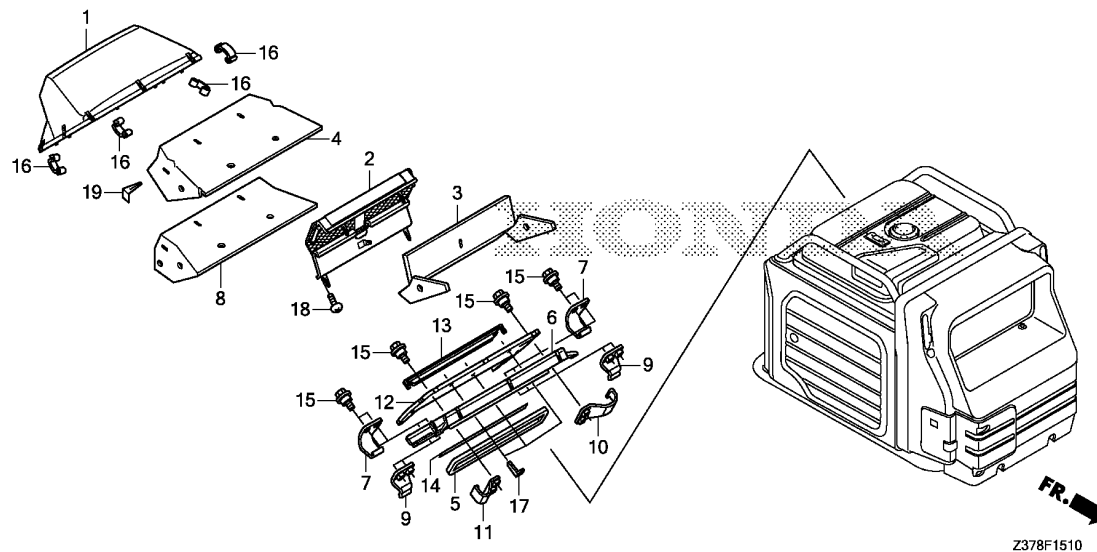
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
20	93500-05016-4J	SCREW, PAN, 5X16	2			
21	94050-06070	NUT, FLANGE, 6MM	6			
22	94050-08080	NUT, FLANGE, 8MM	2			
23	95701-08016-08	BOLT, FLANGE, 8X16	2			
24	95701-08040-08	BOLT, FLANGE, 8X40	2			
25	18382-Z37-R00	INSULATOR, MUFFLER PROTECTOR	1			
		(G)				



F-15-10

EXHAUST DUCT

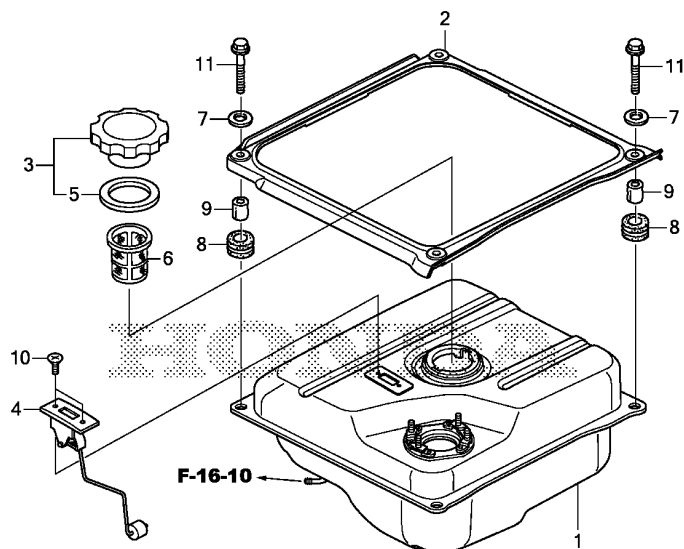
D 7



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1		(2,3,4,8)	
3131R2		DUCT, EXHAUST MUFFLER :UPPER	0.2
6		(5,12)	
3131R5		DUCT, EXHAUST MUFFLER :UNDER	0.2

3

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	63350-Z37-R00ZA	DUCT, EX. UPPER *NH314*.....CONDUCT GRAY	1		
2	63351-Z37-R00ZA	GUIDE COMP., EX. DUCT AIR *NH105*...MAT BLACK (#15-#20)	1		
3	63352-Z37-R00	INSULATOR A, EX. DUCT UPPER	1		
4	63353-Z37-R00	INSULATOR B, EX. DUCT UPPER	1		
5	63354-Z25-R50	SEAL, EX. DUCT UNDER	1		
6	63355-Z37-R00ZA	DUCT, EX. UNDER *NH314*.....CONDUCT GRAY	1		
7	63356-Z25-R50	BRACKET A, EX. DUCT	2		
8	63356-Z37-R00	INSULATOR D, EX. DUCT UPPER	1		
9	63357-Z25-R50	BRACKET B, EX. DUCT	2		
10	63358-Z25-R50	BRACKET C, R. EX. DUCT	1		
11	63359-Z25-R50	BRACKET C, L. EX. DUCT	1		
12	63362-Z37-R00	INSULATOR, EX. DUCT UNDER	1		
13	63363-Z25-R50	HOLDER, EX. UNDER INSULATOR	1		
14	63364-Z37-R00	PLATE	1		
15	90109-434-000	BOLT, SPECIAL, 6MM	8		
16	90659-Z35-000	CLAMP, CASE	8		
17	90686-ZG3-300	CLIP, INSULATOR BIND(A)	3		
18	93913-25110	SCREW, TAPPING, 5X10(PO)	6		
19	90687-Z09-S50	CLIP, INSULATOR BIND	2		



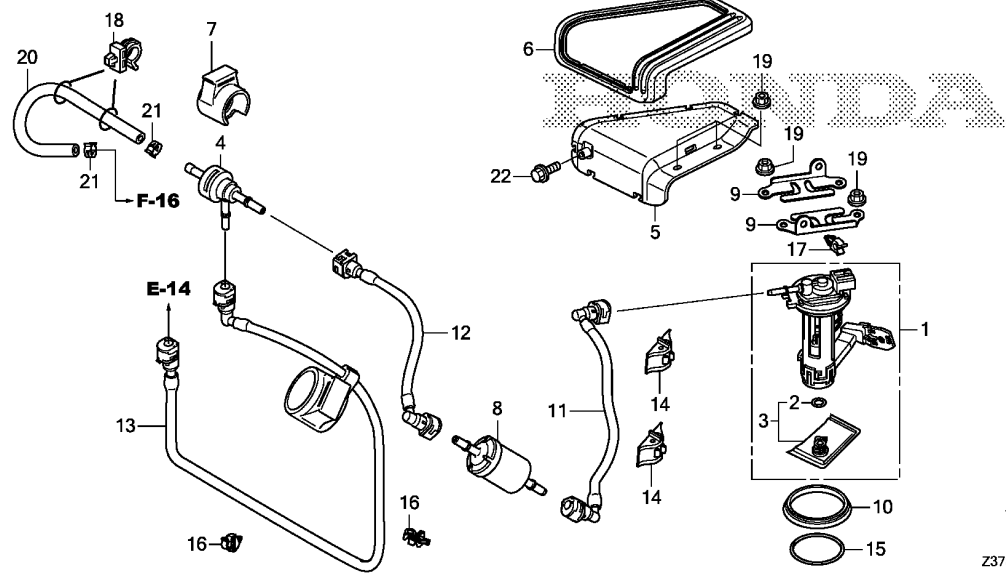
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	3101H7	TANK, FUEL	0.8
2	3101U2	SEAL, FUEL TANK	0.6
3		(5)	
	3101M7	CAP, FUEL FILLER	0.1
4	6171A1	METER/GAUGE UNIT, FUEL	0.1
6	3101A6	FILTER, FUEL	0.1

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	17510-Z37-R00ZA	TANK COMP., FUEL *R280*.....POWER RED	1			
2	17537-Z25-000	SEAL, FUEL TANK	1			
3	17620-899-013	CAP COMP., FUEL FILLER	1			
4	17630-Z37-000	METER ASSY., FUEL	1			
5	17631-899-000	PACKING, FUEL FILLER CAP	1			
6	17670-Z26-S60	FILTER COMP., FUEL	1			
7	90501-Z15-000	WASHER, 6MM	4			
8	90851-Z37-000	RUBBER, TANK CUSHION	4			
9	91551-Z25-000	COLLAR, TANK CUSHION	4			
10	93600-05010-0A	SCREW, FLAT, 5X10	2			
11	95701-06025-07	BOLT, FLANGE, 6X25	4			

F-16-10

FUEL PUMP

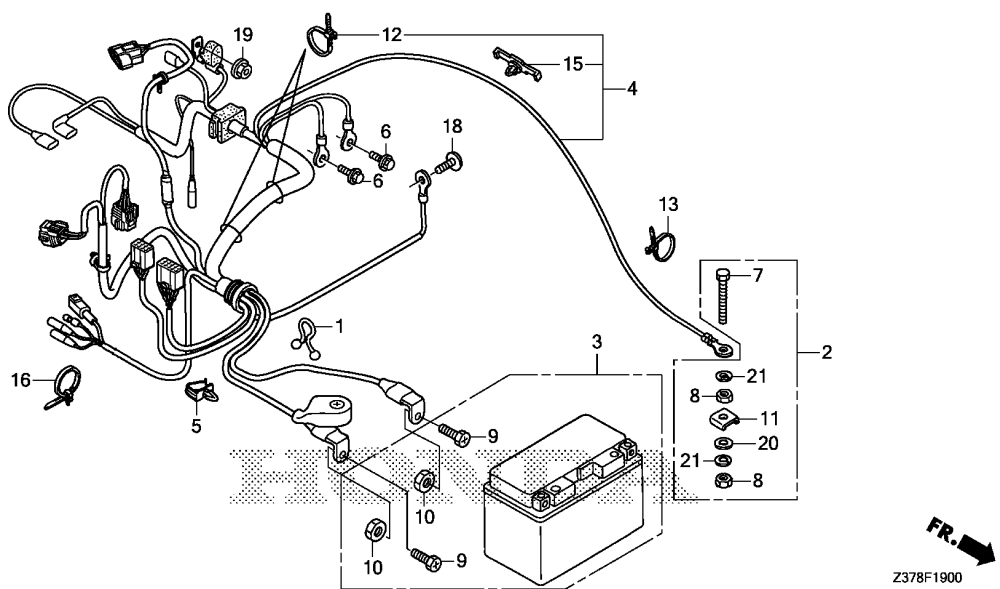
D 9



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1		(10,15)	
3101H9		PUMP, FUEL	0.3
3		(2)	
3101Z2		FILTER, FUEL PUMP	0.3
4		REGULATOR ASSEMBLY, PRESSURE ..	0.3
5		(6)	
3101A4		COVER, FUEL PUMP	0.2
8		STRAINER, FUEL	0.3
11		3101C1 HOSE, FUEL (A)	0.6
12		3101B9 HOSE, FUEL (B)	0.2
13		3101B1 HOSE, FUEL	0.3
20		3101F6 TUBE, FUEL	0.2

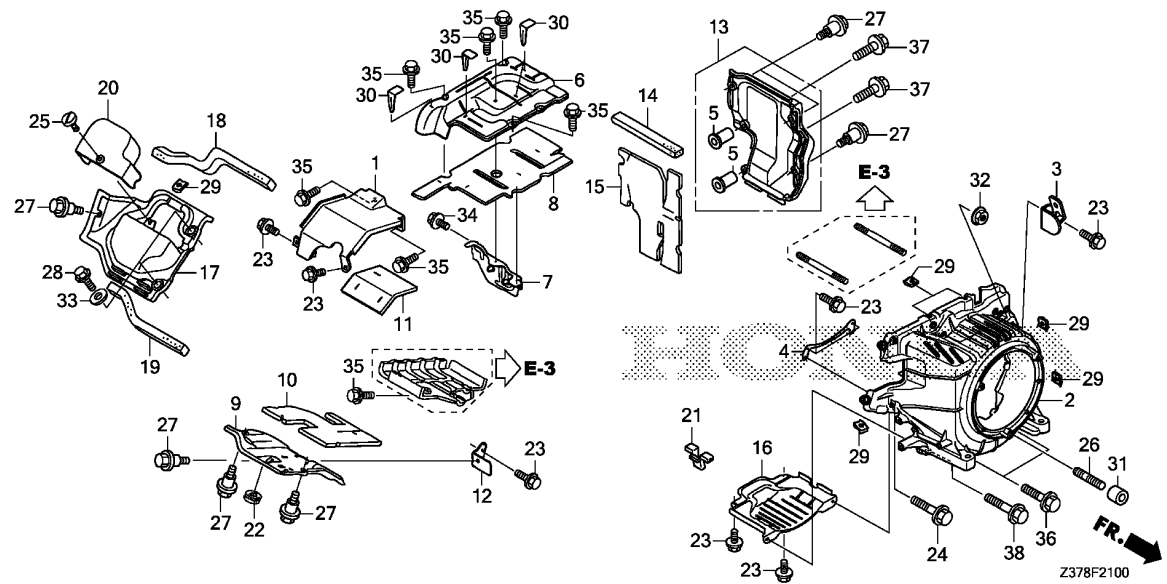
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Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	16700-Z37-R01	PUMP UNIT, FUEL	1			
2	16706-GGL-J01	O-RING, 6.8X1.9	1			
3	16707-Z37-R01	FILTER SET	1			
4	16710-KRE-R01	REGULATOR UNIT, PRESSURE	1			
5	16715-Z37-000ZA	COVER, FUEL PUMP				
		NH700M				
		ALABASTER SILVER METALLIC	1			
6	16716-Z37-000	SEAL, FUEL PUMP COVER	1			
7	16718-Z37-R00	RUBBER, REGULATOR MOUNTING ..	1			
8	16910-KVS-611	FILTER COMP., FUEL	1			
9	17517-Z37-000	RETAINER, FUEL PUMP	2			
10	17518-GGL-J00	DUST SEAL	1			
11	17552-Z37-R01	HOSE COMP. A, FUEL FEED	1			
12	17553-Z37-R01	HOSE COMP. B, FUEL FEED	1			
13	17560-Z37-R00	HOSE COMP., FUEL	1			
14	17567-Z37-000	GROMMET, FUEL FEED	2			
15	17572-Z37-000	O-RING, FUEL PUMP	1			
16	17936-SL5-A01	CLIP, THROTTLE WIRE	2			
17	53723-SF1-951	CLIP, RETURN PIPE, 6MM	1			
18	90651-679-003	HOLDER, ROD(BLACK)	2			
19	94050-06080	NUT, FLANGE, 6MM	6			
20	95001-55280-50	HOSE, FUEL, 5.5X280	1			
21	95002-41050-08	CLAMP, TUBE(D10.5)	2			
22	95701-06012-07	BOLT, FLANGE, 6X12	1			



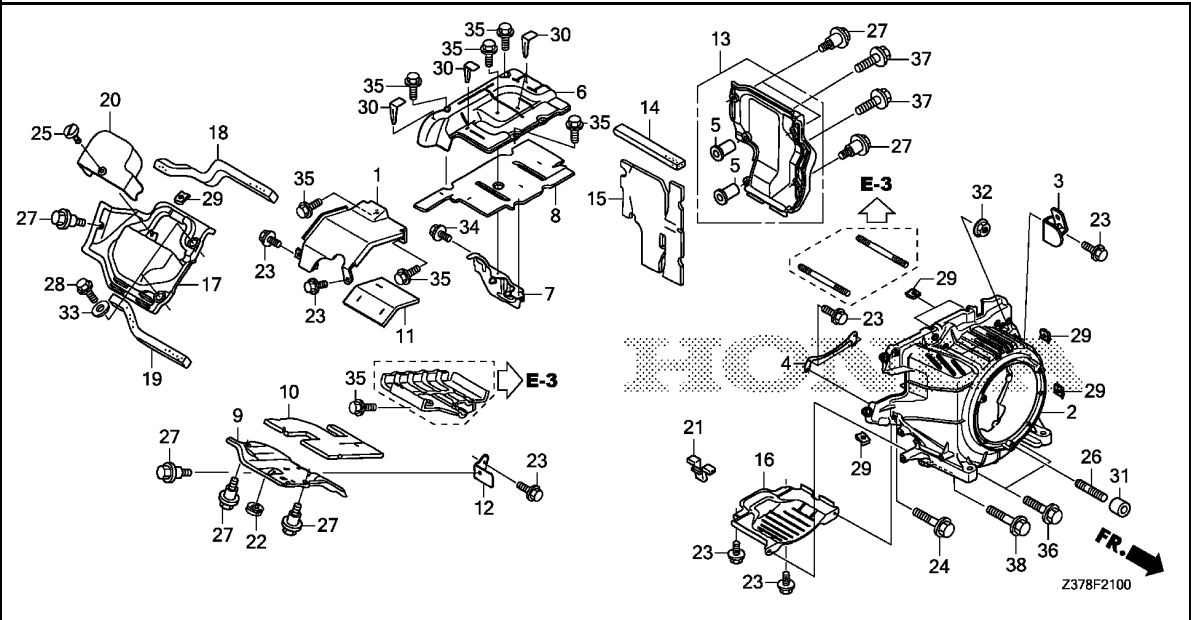
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2	6221E1	TERMINAL SET, EARTH	0.2
3	6101A7	BATTERY	0.2
4	6111C0	HARNESS, ENGINE WIRE	1.8

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU 70 isN			
1	15712-PD1-811	CLIP, BREATHER TUBE PROTECTOR	1			
2	31428-Z37-000	TERMINAL SET, EARTH	1			
3	31500-Z25-U51	BATTERY(YTZ14S)(GS YUASA) ...	1			
4	32110-Z37-A00	HARNESS ASSY., ENGINE WIRE(JN)	1			
5	32172-GJ1-003	CLIP B, HARNESS	1			
6	90013-883-000	BOLT, FLANGE, 6X12(CT200) ...	2			
7	90111-Z22-000	BOLT, HEX., 6X28	1			
8	90112-Z22-000	NUT, HEX., 6MM	2			
9	90122-KCW-007	BOLT, BATTERY TERMINAL	2			
10	90306-KCW-007	NUT, BATTERY TERMINAL	2			
11	90501-ZA7-640	RETAINER, 6MM	1			
12	90672-SAO-003	STRAP, CABLE, 118MM(BLACK) ..	2			
13	90672-SB2-003	STRAP, CABLE, 105MM(BLACK) ..	1			
15	91507-693-003	CLIP, WIRE HARNESS(BLACK) (50MM)(HARNESS TAPING)	1			
16	91507-P01-003	CLIP B, HARNESS BAND (DARK BROWN)(129.4MM)	1			
18	93500-05008-3J	SCREW, PAN, 5X8	1			
19	94070-08080	NUT-WASHER, 8MM	1			
20	94101-06800	WASHER, PLAIN, 6MM	1			
21	94111-06000	WASHER, SPRING, 6MM	2			

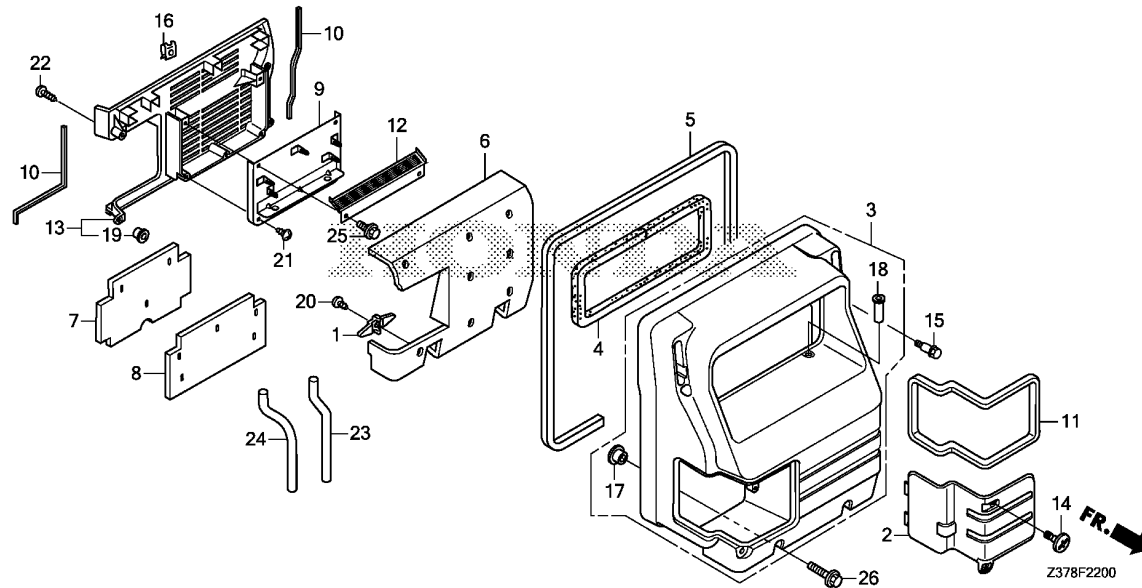


Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1		(11)	
	4141E6	SHROUD, CYLINDER HEAD	1.1
2	1141G8	COVER, ENGINE COOLING FAN	1.7
6	4141E2	SHROUD, ENGINE :UPPER	0.6
8	4141J2	INSULATOR, SHROUD :UPPER	0.6
9	4141E0	SHROUD, ENGINE :LOWER	0.3
10	4141J1	INSULATOR, SHROUD :LOWER	0.3
13		(14)	
	4141D9	SHROUD, ENGINE :LEFT	0.1
15	4141J3	INSULATOR. SIDE COVER :LEFT ..	0.1
16	4141F3	SHROUD, ENGINE UNDER	2.0
		.INCLUDES: Engine removal and installation	
17		(18,19)	
	4141F4	SHROUD, HEAD COVER	0.1
20	4131L7	COVER, SPARK PLUG MAINTENANCE	0.1

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	19015-Z37-000	SHROUD, HEAD	1			
2	19611-Z37-405	COVER, FAN	1			
3	19612-Z25-000	PLATE, R. SIDE	1			
4	19617-Z11-000	BRACKET, FAN COVER	1			
5	19619-ZL8-300	COLLAR, FAN COVER	2			
6	19631-Z11-000	SHROUD, UPPER	1			
7	19634-Z37-000	BRACKET, UPPER SHROUD	1			
8	19637-Z11-000	INSULATOR, UPPER SHROUD	1			
9	19641-Z11-010	SHROUD, LOWER	1			
10	19647-Z11-010	INSULATOR, SHROUD LOWER	1			
11	19647-Z37-000	INSULATOR, HEAD SHROUD	1			
12	19649-Z11-000	BRACKET, LOWER SHROUD	1			
13	19665-Z11-000	SHROUD COMP., R. SIDE	1			
14	19666-Z11-000	SEAL, R. SIDE COVER	1			
15	19668-Z11-000	INSULATOR, R. SIDE COVER	1			
16	19671-Z11-000	SHROUD, UNDER	1			
17	19681-Z37-000	SHROUD, HEAD COVER	1			
18	19683-Z11-000	SEAL, HEAD COVER SHROUD UPPER	1			
19	19684-Z11-000	SEAL, HEAD COVER SHROUD LOWER	1			
20	63347-Z11-000	COVER, PLUG	1			
21	63714-Z25-000	RUBBER, OIL CHECK	1			
22	64266-MG9-770	GROMMET, SPEAKER PANEL	1			
23	90013-883-000	BOLT, FLANGE, 6X12(CT200) ...	8			
24	90018-ZE1-000	BOLT, FLANGE, 6X23(CT200) ...	1			
25	90102-Z07-003	SCREW, SPECIAL, 6X16	1			



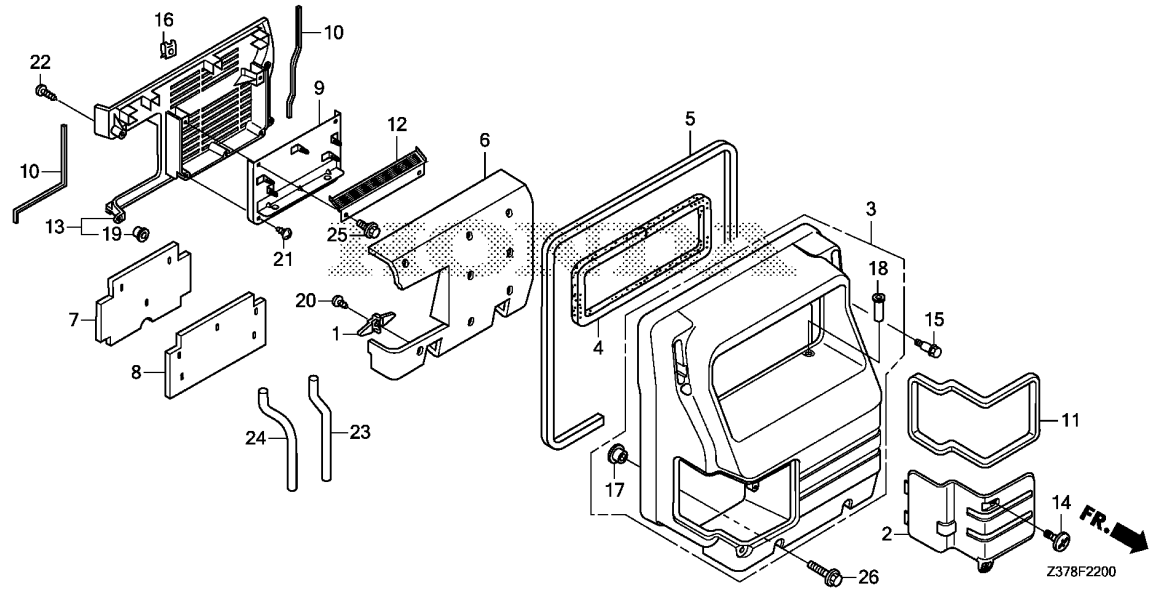
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
26	90102-Z37-000	BOLT, STUD, 6X20(CT200)	3			
27	90103-Z11-000	BOLT, SPECIAL, 6MM	7			
28	90110-Z11-000	BOLT, FLANGE, 6X12(CT200)	2			
29	90320-747-000	NUT, SPRING, 6MM	6			
30	90686-ZG3-300	CLIP, INSULATOR BIND(A)	4			
31	91552-Z37-000	COLLAR, 6.6X13.8X10	3			
32	94050-06080	NUT, FLANGE, 6MM	2			
33	94103-06700	WASHER, PLAIN, 6MM	2			
34	95701-06012-07	BOLT, FLANGE, 6X12	1			
35	95701-06012-08	BOLT, FLANGE, 6X12	8			
36	95701-06020-08	BOLT, FLANGE, 6X20	2			
37	95701-06022-07	BOLT, FLANGE, 6X22	2			
38	95701-06030-08	BOLT, FLANGE, 6X30	2			



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2		(11)	
4131K5		COVER, MAINTENANCE	0.1
3		(4,5)	
410107		COVER, GENERATOR :FRONT	0.3
6		4141AQ INSULATOR, FRONT COVER	0.3
13		(7,8,9,12)	
4131DP		PLATE, AIR SEPARATOR	0.3

3

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	19656-Z25-R50	CLIP, INSULATOR	8		
2	63151-Z37-R00ZA	COVER, MAINTENANCE *NH314*.....CONDUCT GRAY	1		
3	63510-Z37-R00ZA	COVER COMP., FR. *NH314*.....CONDUCT GRAY	1		
4	63521-Z37-000	SEAL, CONTROL PANEL	1		
5	63522-Z25-R50	SEAL A, FR. COVER	1		
6	63531-Z37-R00	INSULATOR A, FR. COVER	1		
7	63535-Z37-R00	INSULATOR, PLATE(A)	1		
8	63536-Z37-R00	INSULATOR, PLATE(B)	1		
9	63539-Z37-R00	PLATE, AIR SEPARATOR(B)	1		
10	63548-Z37-R00	SEAL, SEPARATOR(A)	2		
11	63551-Z37-R00	SEAL, MAINTENANCE COVER	1		
12	63556-Z37-R00	PLATE, AIR SEPARATOR(C)	1		
13	63660-Z37-R00	PLATE COMP., AIR SEPARATOR ..	1		
14	90102-Z07-003	SCREW, SPECIAL, 6X16	2		
15	90104-Z11-000	BOLT, SPECIAL, 6X26	2		
16	90320-747-000	NUT, SPRING, 6MM	2		
17	90506-Z37-R00	COLLAR, FR. COVER(A)	2		
18	91553-Z37-R00	BUSH, FR. COVER	2		
19	91554-Z37-R00	COLLAR, FR. COVER	4		
20	93911-25220	SCREW, TAPPING, 5X12	8		
21	93913-25210	SCREW, TAPPING, 5X12	3		
22	93913-25520	SCREW, TAPPING, 5X20(PO)	4		
23	95005-75315-20	TUBE, 7.3X315	1		



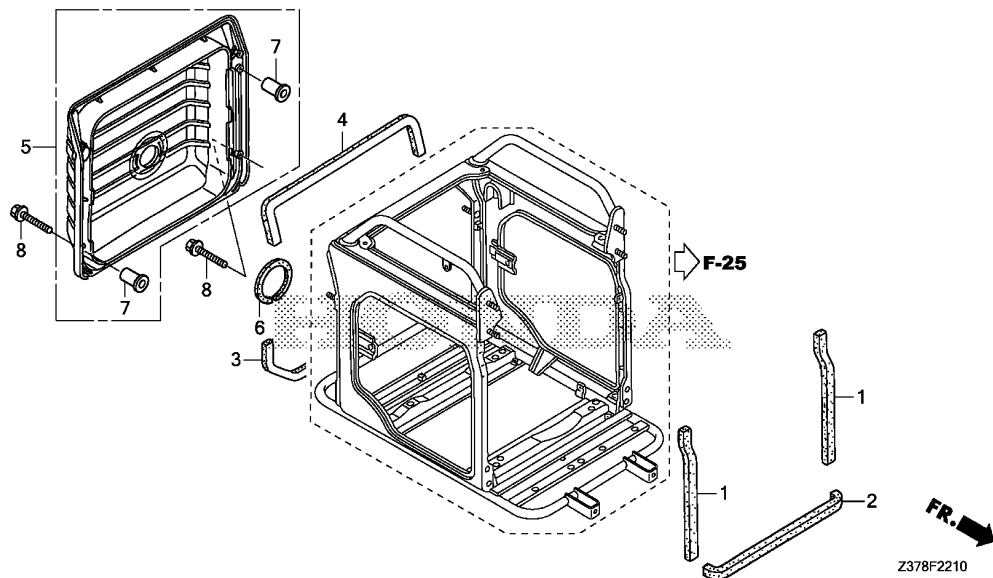
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
24	95005-75360-20	TUBE, 7.3X360 (95005-75001-20M)	1			
25	95701-06012-08	BOLT, FLANGE, 6X12	2			
26	95701-06020-07	BOLT, FLANGE, 6X20	2			



F-22-10

REAR COVER

D15

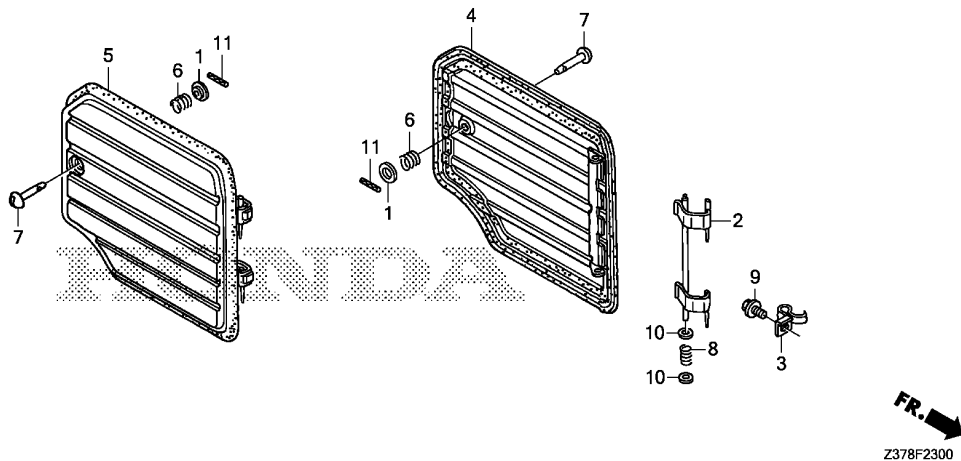


Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
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5	(3,4)	COVER, GENERATOR :REAR	0.3
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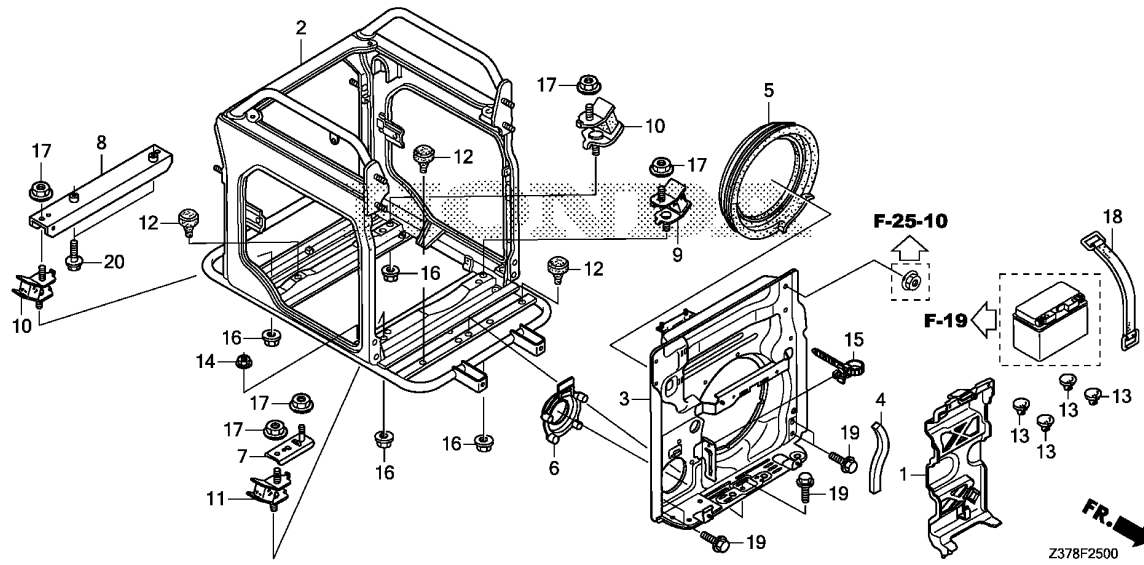
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Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	63163-Z25-000	SEAL, 10X6X320	2		
2	63164-Z25-000	SEAL, 10X10X500	1		
3	63166-Z25-R50	SEAL, RR. UNDER	1		
4	63167-Z25-000	SEAL, 10X5X640	1		
5	63310-Z25-000ZA	COVER COMP., RR. *NH314*.....CONDUCT GRAY	1		
6	63312-Z25-000	SEAL, 10X8X290	1		
7	90508-Z25-R50	COLLAR, COVER	6		
8	95701-06030-07	BOLT, FLANGE, 6X30	2		



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2		(8)	
4131AU		HINGE, MAINTENANCE COVER :LEFT	0.1
3	4131AV	SPRING, HINGE PLATE	0.1
4	4131AS	COVER, MAINTENANCE :LEFT	0.2
5	4131AT	COVER, MAINTENANCE :RIGHT	0.2
6		(7)	
4131AW		SPRING, MAINTENANCE COVER LOCK :LEFT	0.2
4131AX		SPRING, MAINTENANCE COVER LOCK :RIGHT	0.2

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU 70 isN			
1	50129-862-000	RETAINER, LOCK SPRING	2			
2	63140-Z25-000	HINGE COMP., R. MAINTENANCE COVER	1			
3	63142-Z25-000	SPRING, HINGE PLATE	1			
4	63150-Z37-000ZA	COVER ASSY., R. MAINTENANCE *R280*.....POWER RED	1			
5	63170-Z37-000ZA	COVER ASSY., L. MAINTENANCE *R280*.....POWER RED	1			
6	63173-Z25-000	SPRING, COVER LOCK	2			
7	63175-Z25-000	PIN, COVER LOCK	2			
8	63191-Z25-000	SPRING, MAINTENANCE COVER ...	1			
9	90002-MC7-000	BOLT, FLANGE, 5X8	1			
10	90405-463-000	WASHER, 8MM	2			
11	94305-40203	PIN, SPRING, 4X20	2			



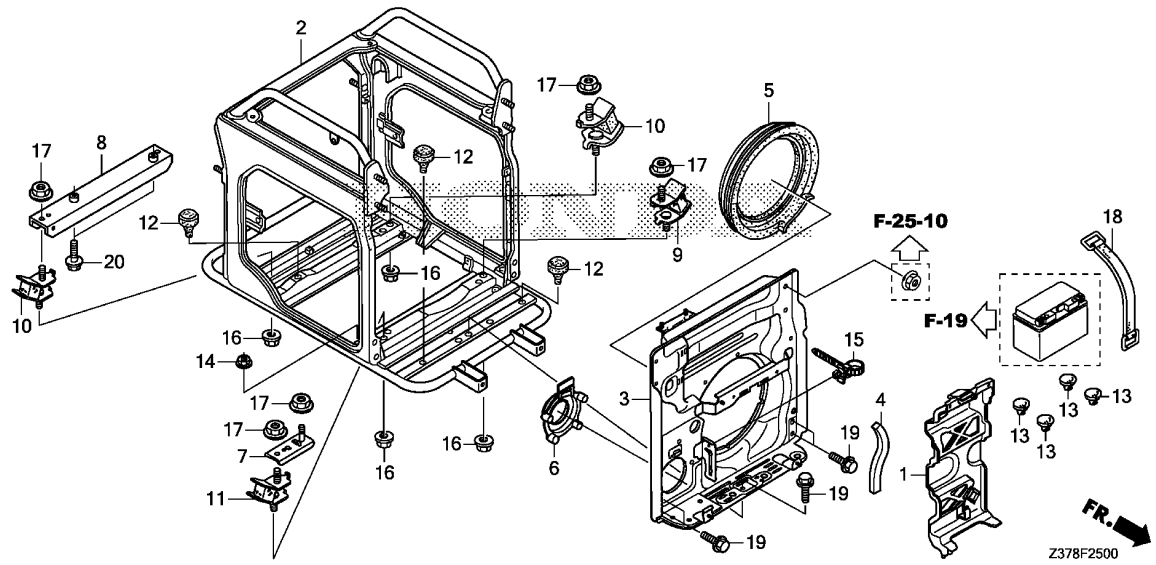
Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	4141F7	BRACKET, WIRE HARNESS CLIP ...	0.3
2	4101H6	FRAME, MAININCLUDES: Engine removal and installation	2.3
3	4101H5	FRAME, FRONT	1.1
5	4141F5	RUBBER A, SEPARATOR SEAL	1.0
6	4141F6	RUBBER B, SEPARATOR SEAL	0.2
8	4101T9	BRACKET, ENGINE MOUNTING :REAR .INCLUDES: Engine removal and installation	1.9
9	4101V0	RUBBER, BOTTOM :LEFT FRONTINCLUDES: Engine removal and installation	2.2
10	4101V3	RUBBER, BOTTOM :LEFT REARINCLUDES: Engine removal and installation	2.2
	4101V4	RUBBER, BOTTOM :RIGHT REARINCLUDES: Engine removal and installation	2.2
	4101V1	RUBBER, BOTTOM :RIGHT FRONT .. .INCLUDES: Engine removal and installation	2.2

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	32103-Z37-000	BRACKET, WIRE HARNESS CLIP ..	1			
2	50310-Z37-R00ZA	FRAME COMP. *NH105*...MAT BLACK (#15-#20)	1			
3	63640-Z37-R00ZA	FRAME COMP., FR. *NH105*...MAT BLACK (#15-#20)	1			
4	63643-Z37-000	SEAL, 30X30X250	1			
5	63776-Z11-000	RUBBER A, SEPARATOR SEAL	1			
6	63778-Z11-000	RUBBER B, SEPARATOR SEAL	1			
7	68322-Z11-000ZA	BRACKET, FR. ENGINE MOUNT *NH105*...MAT BLACK (#15-#20)	1			
8	68323-Z11-R30	BRACKET, RR. ENGINE MOUNTING	1			
9	68325-Z25-R50	RUBBER, BOTTOM	1			
10	68325-Z25-U50	RUBBER, BOTTOM	2			
11	68326-Z25-U50	RUBBER, L. BOTTOM	1			
12	68346-ZC3-700	RUBBER, STOPPER	3			
13	83618-GF0-751	RUBBER, BATTERY BOX	4			
14	90201-ZM0-000	NUT, FLANGE, 6MM	1			
15	90672-SB2-003	STRAP, CABLE, 105MM(BLACK) ..	1			
16	94050-08080	NUT, FLANGE, 8MM	4			
17	94050-10080	NUT, FLANGE, 10MM	5			
18	95012-17001	BAND F, BATTERY(155MM)	1			
19	95701-08012-08	BOLT, FLANGE, 8X12	5			
20	95701-08030-08	BOLT, FLANGE, 8X30	2			

F-25

FRAME

E 2



Ref. No.	L.O.N. (Relative ref. Number)	Description	F.R.T.
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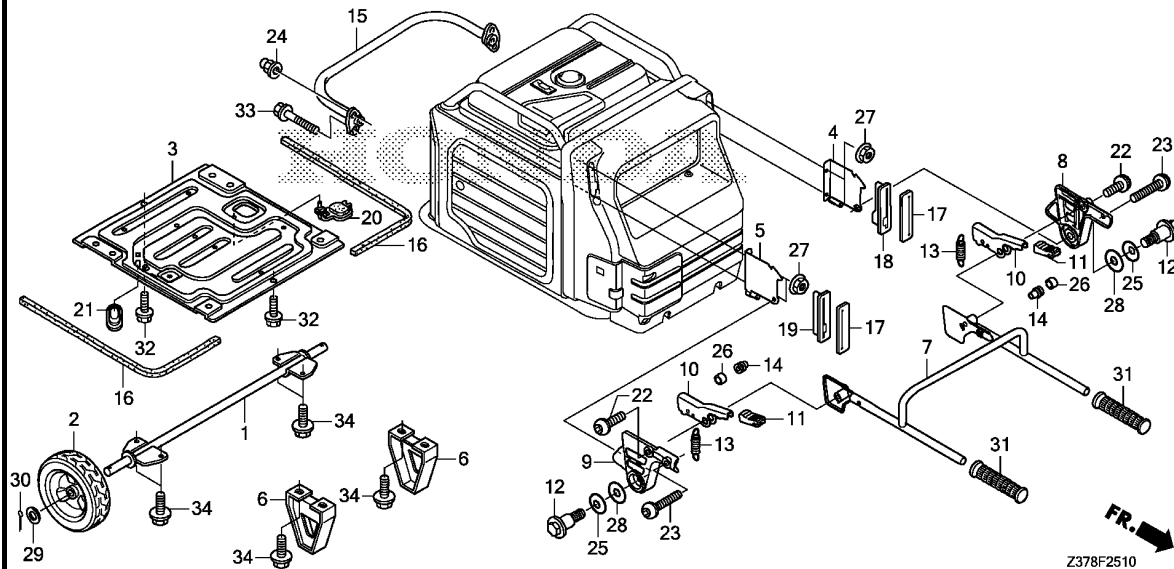
+11 .NOTE: Same time for two units

3

F-25-10

HANDLE/WHEEL

E 3



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	2091E4	SHAFT, WHEEL	0.3
2	7101B4	WHEEL :LEFT	0.2
	7101B4A	.Replace one add	0.1
	7101B5	WHEEL :RIGHT	0.2
	7101B5A	.Replace one add	0.1
3	4101CG	PLATE, UNDER	0.5
6	4101V5	STAND :LEFT	0.2
	4101V5A	.Replace one add	0.1
	4101V6	STAND :RIGHT	0.2
	4101V6A	.Replace one add	0.1
7	8101J5	PIPE, HANDLE	0.3
8	8101P0	HOLDER, HANDLE :LEFT	0.1
	8101P0A	.Replace right handle holder add	0.1
9	8101P1	HOLDER, HANDLE :RIGHT	0.1
	8101P1A	.Replace left handle holder add	0.1
10	6221U1	LEVER, HANDLE LOCK :RIGHT	0.2
	6221U2	LEVER, HANDLE LOCK :LEFT	0.2
	6221U3	LEVER, HANDLE LOCK :BOTH	0.3
13	4131AQ	SPRING, HANDLE LEVER :LEFT ...	0.1
	4131AQA	.Replace right handle lever spring add	0.1
+	4131AR	SPRING, HANDLE LEVER :RIGHT ..	0.1

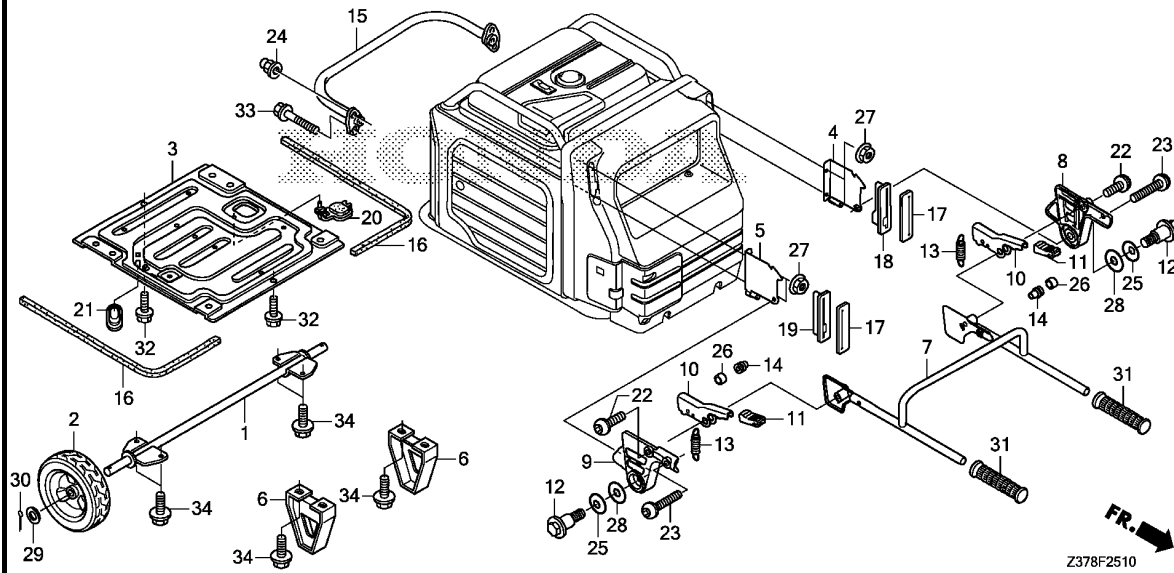
Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	42310-Z37-000	SHAFT COMP., WHEEL	1		
2	42710-Z23-F10	WHEEL COMP., 254X75	2		
3	50323-Z37-000	PLATE, UNDER	1		
4	50337-Z37-R00	BRACKET, R. HANDLE	1		
5	50338-Z37-R00	BRACKET, L. HANDLE	1		
6	51511-Z37-000ZA	STAND *NH105*...MAT BLACK (#15-#20)	2		
7	53110-Z37-R00ZA	PIPE COMP., HANDLE *NH105*...MAT BLACK (#15-#20)	1		
8	53112-Z11-000	HOLDER, R. HANDLE	1		
9	53113-Z11-000	HOLDER, L. HANDLE	1		
10	53114-Z11-000	LEVER COMP., HANDLE	2		
11	53115-Z11-000	RUBBER, GRIP	2		
12	53116-Z11-000	BOLT, HANDLE HOLDER	2		
13	53117-Z11-000	SPRING, HANDLE LEVER	2		
14	53118-Z11-000	RUBBER, STOPPER	2		
15	53170-Z25-000ZA	PIPE COMP., RR. *NH105*...MAT BLACK (#15-#20)	1		
16	63165-Z25-000	SEAL, 8X8X705	2		
17	63526-Z37-R00	SEAL D, FR. COVER	2		
18	63540-Z37-R00	SEAL, R. HANDLE BRACKET(B) ..	1		
19	63541-Z37-R00	SEAL, L. HANDLE BRACKET(B) ..	1		
20	63713-Z25-000	PLUG, OIL DRAIN	1		
21	63714-Z37-000	BUSH, UNDER PLATE	1		
22	90101-Z37-000	BOLT, SOCKET, 8X22	2		

3

F-25-10

HANDLE/WHEEL

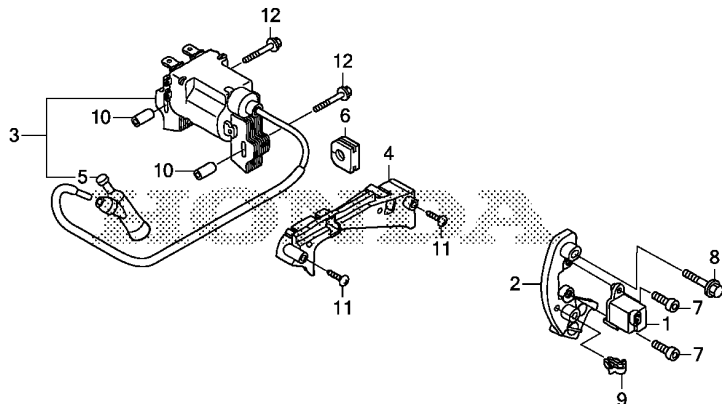
E 4



Ref. No.	L.O.N. (Relative ref. Number)	Description	F.R.T.
+13	4131ARA	.Replace left handle lever spring add	0.1
15	4101U0	PIPE, GUARD :REAR	0.1
31	4131E0	GRIP, HANDLE :LEFT	0.1
	4131E1	GRIP, HANDLE :RIGHT	0.1

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
23	90109-Z11-000	BOLT, SOCKET, 8X45	2			
24	90302-Z35-000	NUT, OPEN STAY, 6MM	2			
25	90503-Z11-000	WASHER, SPRING	2			
26	91555-Z11-000	COLLAR, HANDLE	2			
27	94050-08080	NUT, FLANGE, 8MM	4			
28	94101-12800	WASHER, PLAIN, 12MM	2			
29	94102-20800	WASHER, PLAIN, 20MM	2			
30	94201-40280	PIN, SPLIT, 4.0X28	2			
31	95011-14100	GRIP D, R. HANDLE	2			
32	95701-06016-08	BOLT, FLANGE, 6X16	2			
33	95701-06030-07	BOLT, FLANGE, 6X30	2			
34	95701-08020-08	BOLT, FLANGE, 8X20	8			

3

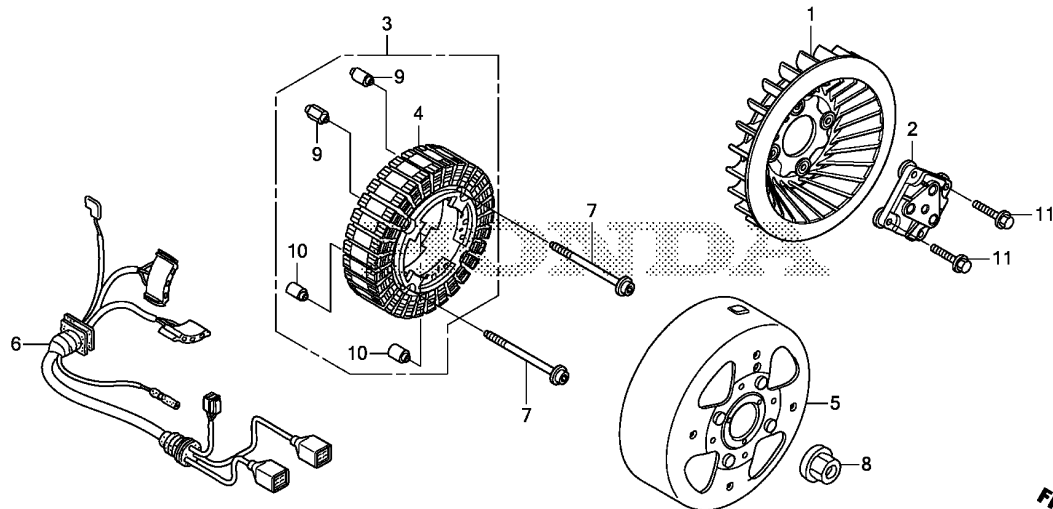


FR. →
Z378F2800

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	6141B6	GENERATOR, IGNITION PULSE	1.8
3	6141A5	COIL, IGNITION(ONE)	1.2
4	6141C2	CLAMPER, HIGH TENSION CORD ...	1.1
5	6141B8	TERMINAL, HIGH TENSION	0.1

3

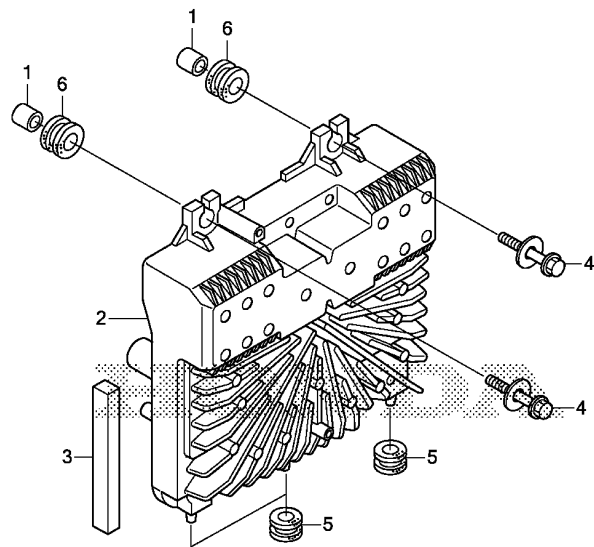
Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	30300-HA0-033	GENERATOR ASSY., PULSE(TEC) -	1			
2	30312-Z11-010	BRACKET, PULSER COIL	1			
3	30500-Z11-013	COIL ASSY., IGNITION	1			
4	30524-Z11-000	CLAMPER, HIGH TENSION CORD ..	1			
5	30700-Z1T-003	CAP ASSY., NOISE SUPPRESSOR -	1			
6	31512-Z11-000	GROMMET, CORD	1			
7	90049-KBH-000	BOLT, SOCKET, 5X14	2			
8	90121-952-000	BOLT, FLANGE, 6X25(CT200) ...	2			
9	90660-ZA0-600	CLIP, ENGINE KILL SWITCH CORD	1			
10	91501-ZL8-000	COLLAR, 6.6X13.8X14.5	2			
11	93913-25410	SCREW, TAPPING, 5X16(P0)	2			
12	95801-06045-08	BOLT, FLANGE, 6X45	2			



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	6201B7	FAN, GENERATOR COOLING	1.8
2	6201C4	ADAPTER, RECOIL PULLEY	1.8
3		(4)	
	6201B9	STATOR, GENERATOR	2.2
5	6201A9	ROTOR, GENERATOR	2.0
6	6201B8	HARNESS, GENERATOR WIRE	2.2

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU 70 isN			
1	19510-Z11-000	FAN COMP., COOLING	1			
2	28453-Z37-000	ADAPTER, RECOIL PULLEY	1			
3	31012-Z37-R00	STATOR ASSY.	1			
4	31019-Z37-R00	CORE SET, INSULATED VARNISH	1			
5	31130-Z37-000	ROTOR COMP.	1			
6	32158-Z37-R00	HARNESS ASSY., GENERATOR WIRE	1			
7	90102-Z11-000	BOLT, FLANGE SOCKET, 6X78 (CT200)	4			
8	90201-ZE3-V00	NUT, SPECIAL, 16MM	1			
9	91551-Z03-000	COLLAR, STATOR(6.3X13X21.5)	2			
10	91552-Z03-000	COLLAR, STATOR(6.3X13X16.5)	2			
11	95701-06035-08	BOLT, FLANGE, 6X35	4			



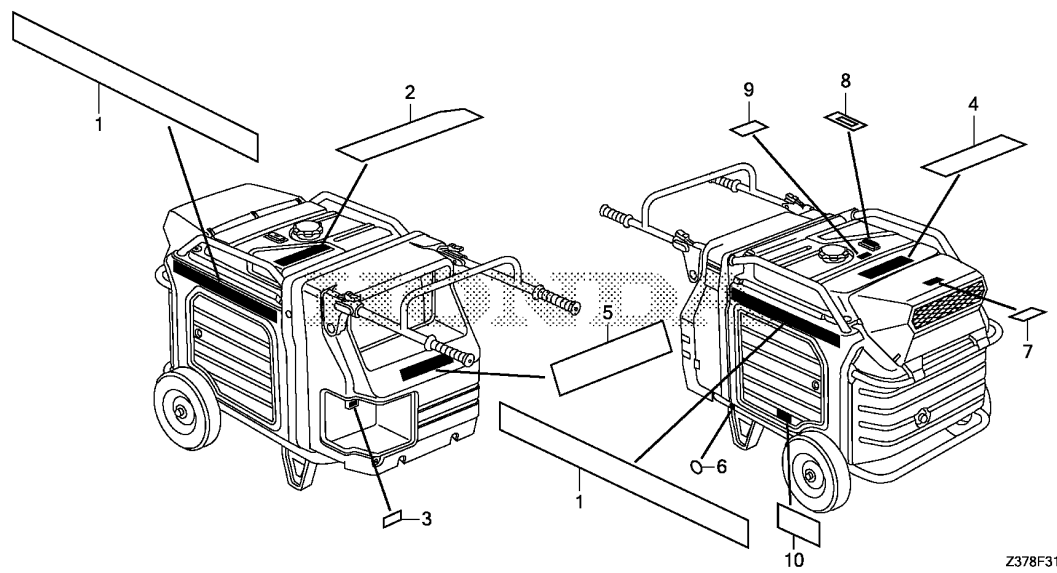


Z378F2910

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
2	6221F7	INVERTER UNIT, GENERATOR	0.5
5	6221G3	RUBBER, INVERTER UNIT :LOWER . .NOTE: Same time for two units or more	0.3
6	6221G2	RUBBER, INVERTER UNIT :UPPER . .NOTE: Same time for two units	0.3

3

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	17272-ZC3-300	COLLAR, IN. JOINT	2			
2	31310-Z37-R01	INVERTER UNIT	1			
3	63644-Z37-000	SEAL, 30X22X130	1			
4	90013-ZW1-000	BOLT-WASHER, 6X25	2			
5	90851-Z37-000	RUBBER, TANK CUSHION	3			
6	91651-ZS9-000	RUBBER, INVERTER UNIT	2			



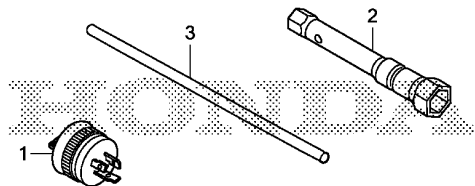
Z378F3100

Ref. No.	L.O.N. (Relative ref. Number)	Description	F.R.T.
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NO INFORMATION

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	87101-Z37-R00	MARK, EMBLEM	2			
2	87103-Z37-A30	MARK, PUMP COVER	1			
3	87117-Z37-A40	MARK, BRANCH FUSE	1			
4	87150-Z36-D60	MARK A, CAUTION	1			
5	87531-Z35-000	MARK, HONDA	1			
6	87534-Z35-000	MARK, EARTH	1			
7	87539-Z37-R00	MARK, EX. CAUTION	1			
8	87565-Z22-620	MARK, FUEL INDICATION	1			
9	87586-Z37-R00	LABEL, FUEL	1			
10	87594-Z25-A00	MARK, OIL CAUTION	1			





Z378F3200

Ref. L.O.N. (Relative ref. Number) F.R.T.
No. Description

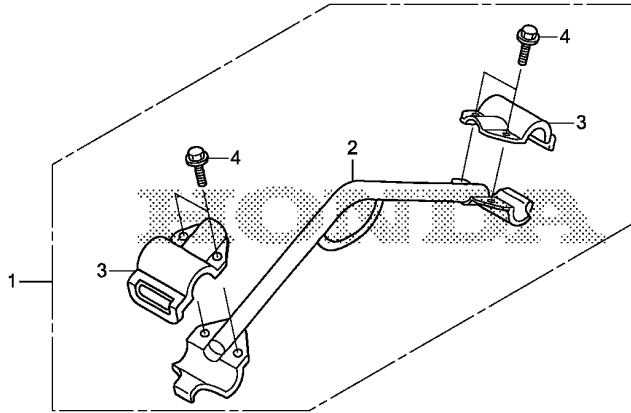
NO INFORMATION

Ref. No.	Part No.	Description	Reqd. QTY		Serial No.	Parts catalogue code
			EU	isN		
1	32310-Z07-C70	PLUG ASSY. (30A-250V)	1			
2	89216-Z25-000	WRENCH, BOX (P21X12)	1			
3	99005-01000	BAR A, HANDLE	1			

FOP-1

HANGER KIT

E10

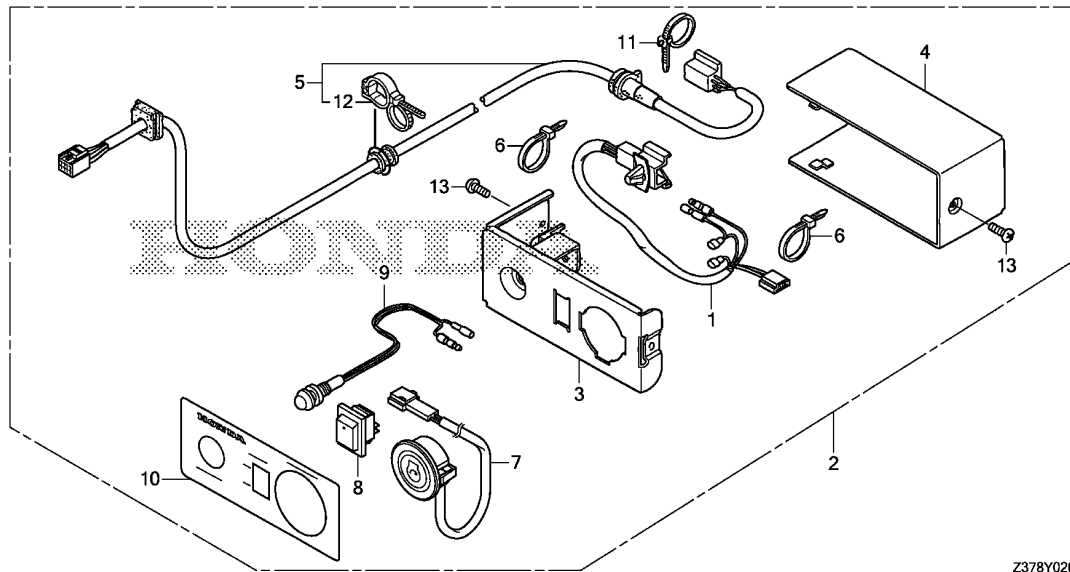


Z378Y0100

Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1		(2)	
4101U9		HANGER KIT	0.1

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	06531-Z11-E00ZA	HANGER KIT *NH105*...MAT BLACK (#15-#20)	(1)		
2	53150-Z11-E00ZA	HANGER COMP. *NH105*...MAT BLACK (#15-#20)	(1)		
3	53155-899-801	BRACKET, HANGER UPPER	(2)		
4	95701-08016-07	BOLT, FLANGE, 8X16	(4)		

3



Ref. No.	L.O.N.	(Relative ref. Number) Description	F.R.T.
1	6111E4	HARNESS, REMOTE CONTROL WIRE	0.2
2	6221G8	BOX, REMOTE CONTROL	0.1
5	6111A8	CABLE, REMOTE CONTROL	0.2
7	6151P3	SWITCH, START(A)	0.2
8	6151C5	SWITCH, MAIN	0.2
9	6221Q4	LED ASSEMBLY	0.2

Z378Y0200

Ref. No.	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
			EU 70 isN		
1	32140-Z37-800	HARNESS ASSY., REMOTE CONTROL	(1)		
2	32380-Z37-700ZA	BOX ASSY., REMOTE CONTROL(30M)	(1)		
	NH105...MAT BLACK (#15-#20)		(1)		
	32380-Z37-880ZA	BOX ASSY., REMOTE CONTROL(10M)	(1)		
	NH105...MAT BLACK (#15-#20)		(1)		
	32380-Z37-890ZA	BOX ASSY., REMOTE CONTROL(20M)	(1)		
	NH105...MAT BLACK (#15-#20)		(1)		
3	32381-Z37-800ZA	PANEL, REMOTE CONTROL	(1)		
	NH105...MAT BLACK (#15-#20)		(1)		
4	32382-Z22-800ZA	COVER, REMOTE CONTROL	(1)		
	NH105...MAT BLACK (#15-#20)		(1)		
5	32520-Z37-830	CABLE ASSY., REMOTE CONTROL	(1)		
	(10M)		(1)		
	32520-Z37-840	CABLE ASSY., REMOTE CONTROL	(1)		
	(20M)		(1)		
	32520-Z37-850	CABLE ASSY., REMOTE CONTROL	(1)		
	(30M)		(1)		
6	32903-ZC8-N01	TIE, CABLE(C)	(2)		
7	35150-Z37-A32	SWITCH ASSY., START	(1)		
8	35170-Z37-A32	SWITCH ASSY., MAIN	(1)		
9	37570-Z22-A91	LED ASSY.	(1)		
10	87247-Z37-800	MARK, REMOTE CONTROL	(1)		
11	90615-PN3-003	BAND, HARNESS(NATURAL)(98MM)	(1)		
12	91558-SM4-003	CLIP, TUBE(BLACK)(135MM)	(1)		
13	93500-04008-0G	SCREW, PAN, 4X8	(2)		

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53117-Z11-000	E3	46	13	63714-Z25-000	D11	38	21	90102-Z07-003	D11	38	25		C3	19	5	94102-08800	C1	17	19
53118-Z11-000	E3	46	14	63714-Z37-000	E3	46	21		D13	40	14	91201-ZE3-004	C3	19	5	94102-20800	E4	47	29
53150-Z11-E00ZA	E10	53	2	63776-Z11-000	E1	44	5	90102-Z11-000	E6	49	7	91301-805-000	C3	19	6	94103-06700	D12	39	33
53155-899-801	E10	53	3	63778-Z11-000	E1	44	6	90102-Z37-000	D12	39	26	91301-KZL-931	C9	25	14	94109-12000	C2	18	11
53170-Z25-000ZA	E3	46	15					90103-Z11-000	D12	39	27	91353-671-004	C2	18	9	94111-06000	D10	37	21
53723-SF1-951	D9	36	17	64000				90104-Z11-000	D13	40	15	91501-ZL8-000	E5	48	10	94201-40280	E4	47	30
								90109-434-000	D7	34	15	91507-693-003	D10	37	15	94301-12200	C1	17	20
63000				64266-MG9-770	D11	38	22	90109-Z11-000	E4	47	23	91507-P01-003	D10	37	16	94305-40203	D16	43	11
								90110-Z11-000	D12	39	28	91551-Z03-000	E6	49	9	94540-04029	D4	31	21
63140-Z25-000	D16	43	2	68000				90111-Z22-000	D10	37	7	91551-Z25-000	D8	35	9				
63142-Z25-000	D16	43	3					90112-Z22-000	D10	37	8	91552-Z03-000	E6	49	10	95000			
63150-Z37-000ZA	D16	43	4	68322-Z11-000ZA	E1	44	7	90121-952-000	C2	18	5	91552-Z37-000	D12	39	31	95001-55280-50	D9	36	20
63151-Z37-R00ZA	D13	40	2	68323-Z11-R30	E1	44	8		E5	48	8	91553-Z37-R00	D13	40	18	95002-41050-08	D9	36	21
63163-Z25-000	D15	42	1	68325-Z25-R50	E1	44	9	90122-KCW-007	D10	37	9	91554-Z25-000	D5	32	19	95005-75315-20	D13	40	23
63164-Z25-000	D15	42	2	68325-Z25-U50	E1	44	10	90131-883-000	C2	18	6	91554-Z37-R00	D13	40	19	95005-75360-20	D14	41	24
63165-Z25-000	E3	46	16	68326-Z25-U50	E1	44	11	90201-ZE3-V00	C10	26	2	91555-Z11-000	E4	47	26	95011-14100	E4	47	31
63166-Z25-R50	D15	42	3	68346-ZC3-700	E1	44	12		E6	49	8	91558-SM4-003	E11	54	12	95012-17001	E1	44	18
63167-Z25-000	D15	42	4					90201-ZM0-000	E1	44	14	91651-ZS9-000	E7	50	6	95018-54250	D4	31	22
63170-Z37-000ZA	D16	43	5	83000				90206-ZE1-000	C6	22	14	91654-Z11-000	D1	28	20	95701-06012-07	D9	36	22
63173-Z25-000	D16	43	6					90302-Z35-000	E4	47	24	92000				95701-06012-07	D12	39	34
63175-Z25-000	D16	43	7	83618-GF0-751	E1	44	13	90306-KCW-007	D10	37	10					95701-06012-08	C2	18	12
63191-Z25-000	D16	43	8					90320-747-000	D12	39	29	92900-08032-OE	C1	17	17		D12	39	35
63232-Z37-000	D4	31	14	87000					D13	40	16	92900-08055-OB	C3	19	7		D14	41	25
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63312-Z25-000	D15	42	6	87103-Z37-A30	E8	51	2	90441-ZE2-010	C1	17	16					95701-06020-08	D12	39	36
63347-Z11-000	D11	38	20	87117-Z37-A40	E8	51	3	90473-ZF6-F40	C10	26	3	93500-03012-1H	D1	28	21	95701-06022-07	D12	39	37
63350-Z37-R00ZA	D7	34	1	87150-Z36-D60	E8	51	4	90501-Z15-000	D8	35	7	93500-04008-0G	E11	54	13	95701-06022-08	D4	31	23
63351-Z37-R00ZA	D7	34	2	87247-Z37-800	E11	54	10	90501-ZA7-640	D10	37	11	93500-05008-3J	D1	28	22	95701-06025-07	D8	35	11
63352-Z37-R00	D7	34	3	87531-Z35-000	E8	51	5	90503-Z11-000	E4	47	25		D10	37	18	95701-06030-07	D15	42	8
63353-Z37-R00	D7	34	4	87534-Z35-000	E8	51	6	90504-ZC5-N40	D1	28	18	93500-05012-0G	D1	28	23		E4	47	33
63354-Z25-R50	D7	34	5	87539-Z37-R00	E8	51	7	90506-Z37-R00	D13	40	17	93500-05016-4J	D6	33	20	95701-06030-08	D12	39	38
63355-Z37-R00ZA	D7	34	6	87565-Z22-620	E8	51	8	90508-Z25-R50	D15	42	7	93600-05010-0A	D8	35	10	95701-06035-08	E6	49	11
63356-Z25-R50	D7	34	7	87586-Z37-R00	E8	51	9	90601-ZE3-000	C5	21	6	93911-25220	D13	40	20	95701-08012-08	E1	44	19
63356-Z37-R00	D7	34	8	87594-Z25-A00	E8	51	10	90615-PN3-003	E11	54	11	93913-25110	D7	34	18	95701-08016-07	E10	53	4
63357-Z25-R50	D7	34	9					90651-679-003	D9	36	18	93913-25210	D13	40	21	95701-08016-08	D6	33	23
63358-Z25-R50	D7	34	10	89000				90659-Z35-000	D4	31	17	93913-25410	E5	48	11	95701-08020-08	E4	47	34
63359-Z25-R50	D7	34	11						D7	34	16	93913-25520	D13	40	22	95701-08030-08	E1	44	20
63362-Z37-R00	D7	34	12	89216-Z25-000	E9	52	2	90660-ZA0-600	E5	48	9					95701-08040-00	C3	19	8
63363-Z25-R50	D7	34	13					90672-SA0-003	D10	37	12	94000				95701-08040-08	D6	33	24
63364-Z37-R00	D7	34	14	90000				90672-SB2-003	D1	28	19					95701-08060-00	C3	19	9
63510-Z37-R00ZA	D13	40	3						D10	37	13	94001-03080-0S	D2	29	24	95701-10025-08	D3	30	15
63521-Z37-000	D13	40	4	90001-ZE8-000	C5	21	5		E1	44	15	94050-04000	D2	29	25	95701-10035-00	C11	27	20
63522-Z25-R50	D13	40	5	90002-MC7-000	D16	43	9	90674-ZV1-003	C2	18	7	94050-06070	D6	33	21	95701-10080-00	C1	17	21
63526-Z37-R00	E3	46	17	90004-ZE2-W01	D3	30	12	90686-ZG3-300	D7	34	17	94050-06080	D2	29	26	95801-06045-08	E5	48	12
63531-Z37-R00	D13	40	6	90012-ZE0-010	C6	22	13		D12	39	30								
63535-Z37-R00	D13	40	7	90013-883-000	D5	32	18	90687-Z09-S50	D7	34	19								
63536-Z37-R00	D13	40	8					90701-HC4-000	C3	19	4								
63539-Z37-R00	D13	40	9					90741-ZE2-000	C4	20	3								
63540-Z37-R00	E3	46	18	90013-ZW1-000	E7	50	4		C10	26	4								
63541-Z37-R00	E3	46	19	90014-952-000	D4	31	16	90754-ZY9-000	D4	31	18	94050-08000	C1	17	18	96100-62020-00	C2	18	13
63548-Z37-R00	D13	40	10	90014-Z5T-000	C1	17	14	90851-Z37-000	D8	35	8	94050-08080	D6	33	22	96100-62070-00	C3	19	11
63551-Z37-R00	D13	40	11	90018-ZE1-000	D11	38	24		E7	50	5								
63556-Z37-R00	D13	40	12	90031-875-000	D1	28	16	90852-Z23-F10	D4	31	19								
63640-Z37-R00ZA	E1	44	3	90042-Z1C-C30	C1	17	15					94050-10080	C2	18	10	98000			
63643-Z37-000	E1	44	4	90045-ZG1-750	C2	18	4	91000					E1	44	17	98079-56876	C1	17	22
63644-Z37-000	E7	50	3	90049-KBH-000	E5	48	7					94070-08080	D10	37	19	98200-31500	D2	29	27
63660-Z37-R00	D13	40	13	90083-ZY3-A01	D1	28	17	91001-ZF6-013	C4	20	4	94101-06800	D10	37	20				

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				HOSE, FUEL, 5.5X280	D9	36	20	MARK, REMOTE CONTROL	E11	54	10
				HOUSING COMP., DRIVE SIDE	C11	27	7	METER ASSY., FUEL	D8	35	4
				[I]				MOTOR ASSY., STARTER	C11	27	3
[F]								MUFFLER COMP.	D5	32	16
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				LEVER, PINION DRIVE	C11	27	4	0-RING, 26X2.7	C3	19	6
[H]				LIFTER, VALVE	C6	22	5	0-RING, 6.3X2.2	C9	25	14
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PLATE, AIR SEPARATOR	D13	40	9		D13	40	14	STATOR ASSY.	E6	49	3
			12	SCREW, TAPPING, 5X10	D7	34	18	STRAP, CABLE, 105MM	D1	28	19
PLATE, R. SIDE	D11	38	3	SCREW, TAPPING, 5X12	D1	28	16		D10	37	13
PLATE, UNDER	E3	46	3		D13	40	20	STRAP, CABLE, 118MM	D10	37	12
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PLUG, OIL DRAIN	E3	46	20	SCREW, TAPPING, 5X20	D13	40	22	SWITCH ASSY., COMBINATION	D1	28	9
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				SEAL, 10X8X290	D15	42	6	[T]			
[R]				SEAL, 30X22X130	E7	50	3	TANK COMP., FUEL	D8	35	1
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HONDA
The Power of Dreams



PARTS CATALOGUE NEWS

Service Technology Department, Power Products Operations
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PARTS CATALOGUE - CORRECTED

Printed in Japan

CODE NO.	18Z37FD1
PARTS CATALOGUE NEWS	EU70isN
NEWS NO.	001

Block No.	Ref. No.	Note	Part No.	Description	Reqd. QTY	Serial No.	Parts catalogue code
					EU 70 isN		
F-2	1	E	32100-337-R00	*PART NO. DELETION			
		D	32100-337-R01	HARNESS ASSY., MAIN WIRE.....	1		
	3	E	32330-305-K41	*PART NO. DELETION			
		D	32330-338-R21	RECEPTACLE(16A/240V).....	2		
	5	E	32346-337-R00	*PART NO. DELETION			
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	18	E	90504-305-N40	*PART NO. DELETION			
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	21	E	93500-03012-1H	*PART NO. DELETION			
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	24	E	94001-03080-0S	*PART NO. DELETION			
		D	94001-04080-0S	NUT, HEX., 4MM.....	8		

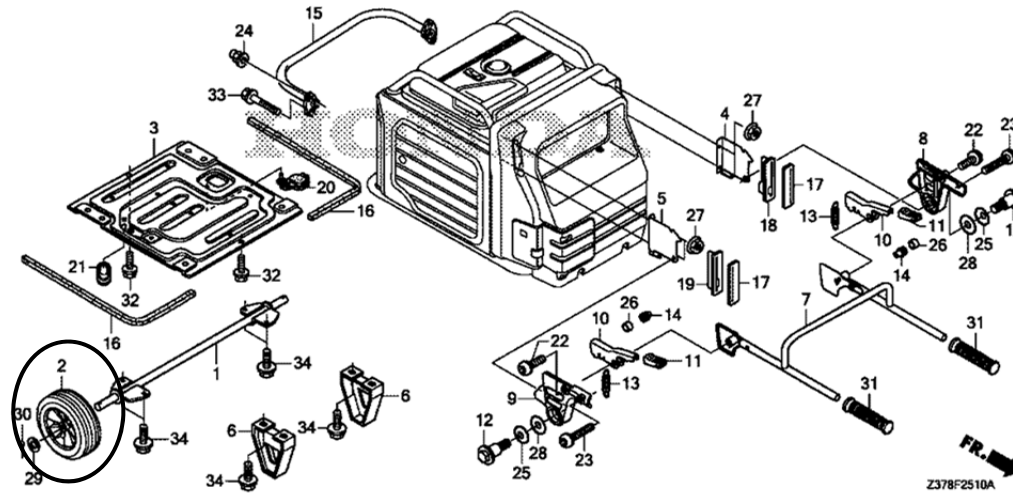
NOTE A:PART NO. CHANGE D:NEWLY PROVIDED E:PART NO. DELETION K:REQUIRED NO. CORRECTION L:APPLICATION SERIAL NO. CORRECTION
 M:PART DESCRIPTION CORRECTION T:APPLICATION CORRECTION Z:REMARKS CHANGE

PARTS CATALOGUE NEWS

BOOKNo. : 18Z37FD1

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F-25-10	2	E	42710-Z23-F10	*PART NO. DELETION			
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