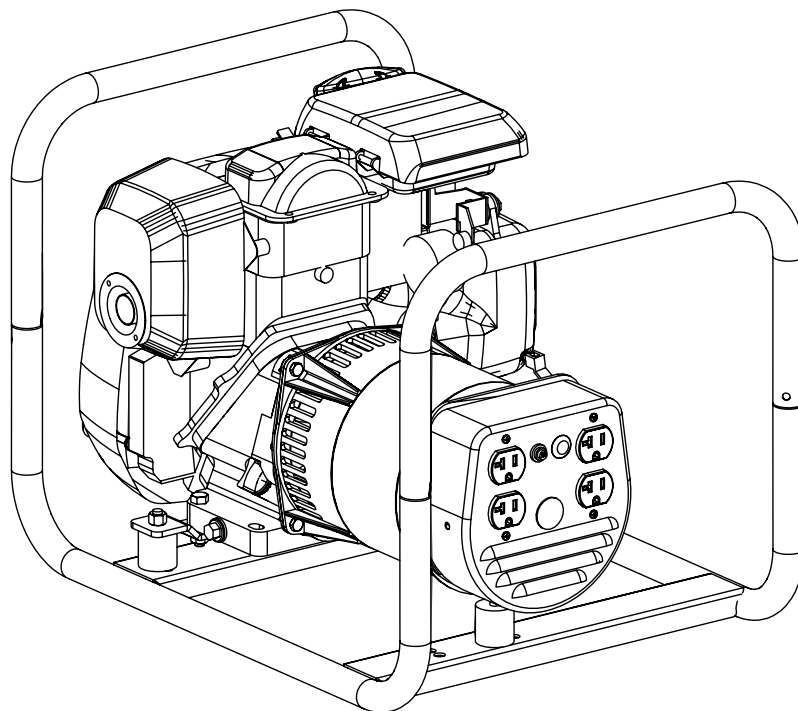




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# EC2500/2600 Generator Parts Manual



Refer to the operators  
manual for safe  
operation and  
maintenance

EC2500 RevB Parts Manual.110116  
Rev # 110615

## Foreword

EMB Mfg. has prepared this parts manual to assist customers in ordering quality OEM replacement parts.

Proper and regular service and replacing old, worn or broken parts with the correct OEM parts are essential to prolonging the life of your EMB product. Please refer to this manual before ordering any replacement parts.

All information contained in this parts manual is based on the latest product specification available at the time of printing this manual. If your product differs from the specifications contained within this manual contact EMB Mfg. for information.

EMB reserves the right to alter specifications on their products at any time.

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For parts and information please contact your dealer. If your dealer is no longer available please go to our website: <http://www.embmfg.com> and click on "FIND A DEALER NEAR YOU" for information on a local dealer.

Table of Contents

Bolt Torque..... 4

EC2500 Main Assembly..... 5

End Cap Assembly ..... 6

Wiring Diagram ..... 7

Accessories..... 8

Alternator maintenance should be performed by trained personnel only.



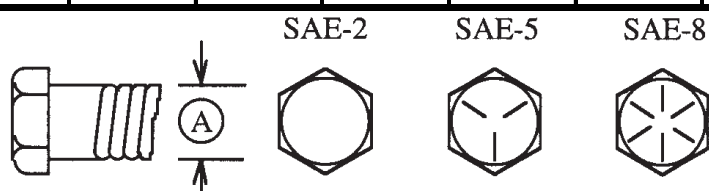
Exercise extreme caution when working with exposed wiring of the alternator, be aware that high voltage discharge of the capacitor is a danger.

**Bolt Torque****CHECKING BOLT TORQUE**

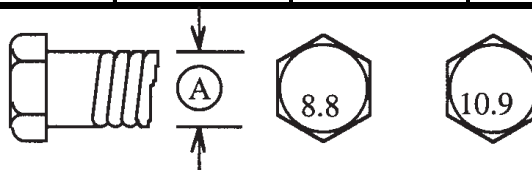
The tables shown below give correct torque values for various bolts and capscrews. Tighten all bolts to the torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt torque chart as a guide. Replace hardware with the same strength bolt.

**ENGLISH TORQUE SPECIFICATIONS**

Bolt Diameter "A"	Bolt Torque*					
	SAE 2 (N.m) (lb-ft)		SAE 5 (N.m) (lb-ft)		SAE 8 (N.m) (lb-ft)	
1/4"	8	6	12	9	17	12
5/16"	13	10	25	19	36	27
3/8"	27	20	45	33	63	45
7/16"	41	30	72	53	100	75
1/2"	61	45	110	80	155	115
9/16"	95	60	155	115	220	165
5/8"	128	95	215	160	305	220
3/4"	225	165	390	290	540	400
7/8"	230	170	570	420	880	650
1"	345	225	850	630	1320	970

**METRIC TORQUE SPECIFICATIONS**

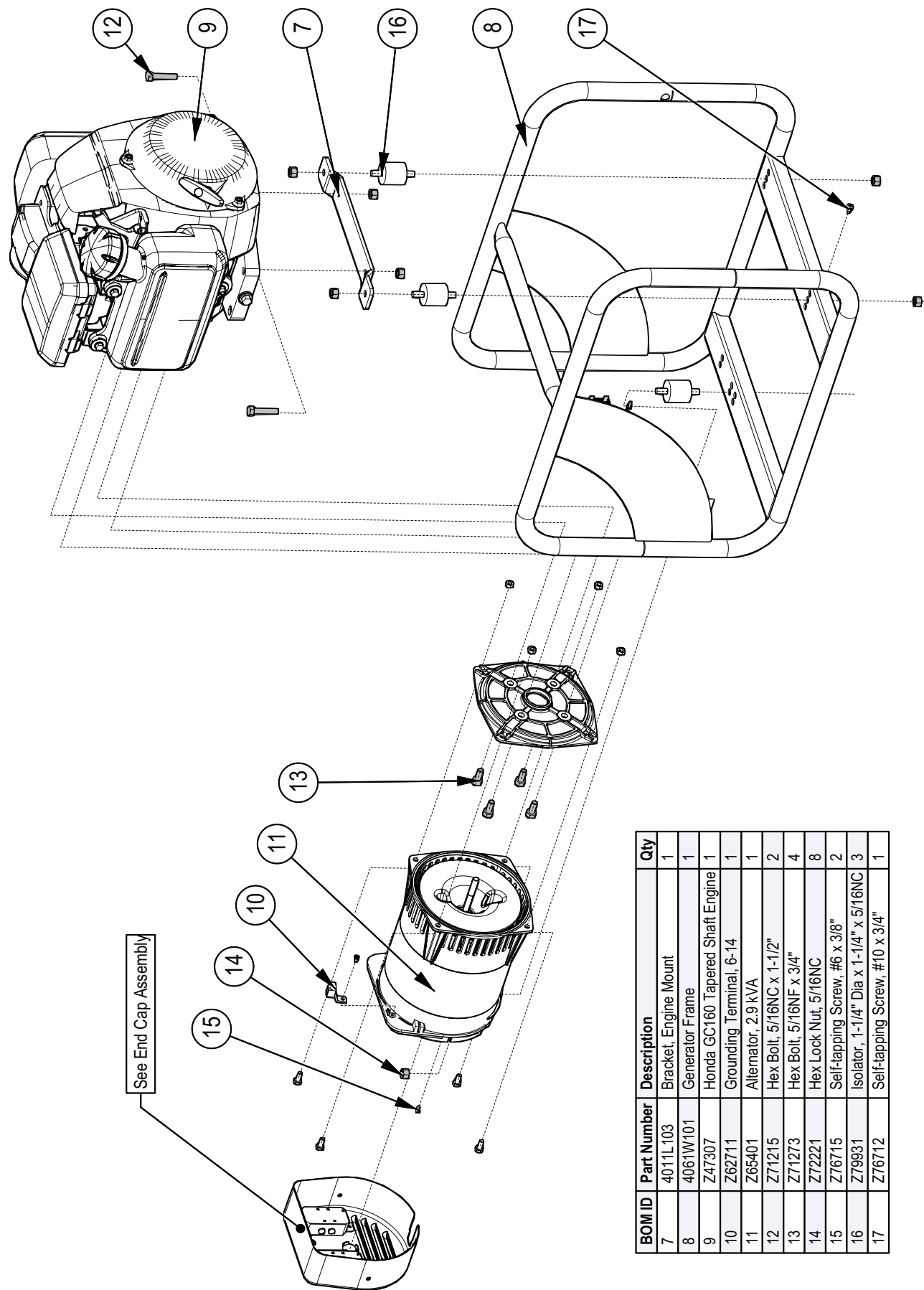
Bolt Diameter "A"	Bolt Torque*			
	8.8 (N.m) (lb-ft)		10.9 (N.m) (lb-ft)	
M3	0.5	0.4	1.8	1.3
M4	3	2.2	4.5	3.3
M5	6	4	9	7
M6	10	7	15	11
M8	25	18	35	26
M10	50	37	70	52
M12	90	66	125	92
M14	140	103	200	148
M16	225	166	310	229
M20	435	321	610	450
M24	750	553	1050	774
M30	1495	1103	2100	1550
M36	2600	1917	3675	2710



Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

\* Torque value for bolts and capscrews are identified by their head markings.

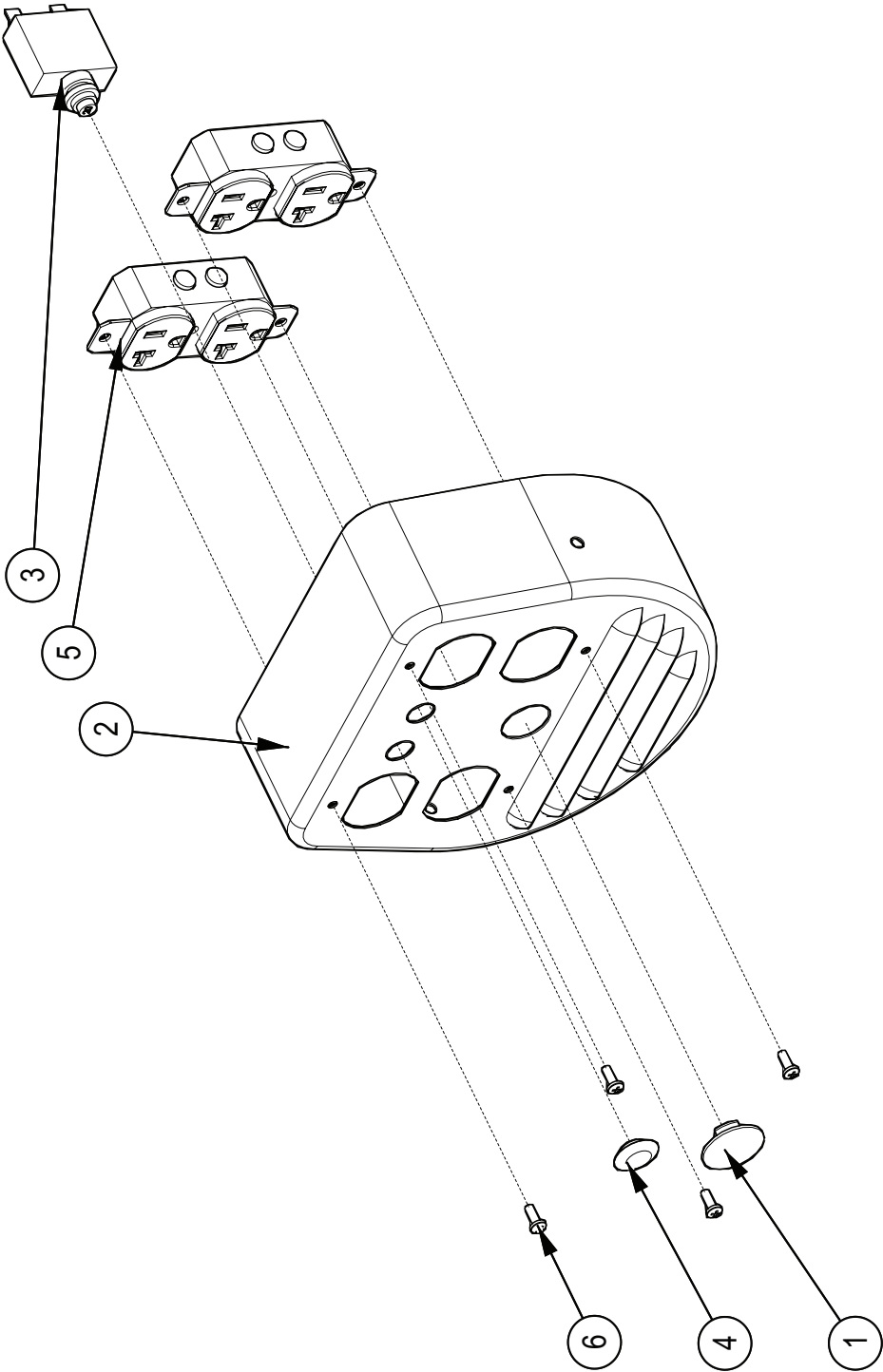
EC2500 Main Assembly



BOM ID	Part Number	Description	Qty
7	4011L103	Bracket, Engine Mount	1
8	4061W101	Generator Frame	1
9	Z47307	Honda GC160 Tapered Shaft Engine	1
10	Z62711	Grounding Terminal, 6-14	1
11	Z65401	Alternator, 2.9 kVA	1
12	Z71215	Hex Bolt, 5/16NC x 1-1/2"	2
13	Z71273	Hex Bolt, 5/16NF x 3/4"	4
14	Z72221	Hex Lock Nut, 5/16NC	8
15	Z76715	Self-tapping Screw, #6 x 3/8"	2
16	Z79931	Isolator, 1-1/4" Dia x 1-1/4" x 5/16NC	3
17	Z76712	Self-tapping Screw, #10 x 3/4"	1

End Cap Assembly

BOM ID	Part Number	Description	Qty
1	0391802005	Plastic Cap	1
2	GES15COVER5	Terminal Box Lid	1
3	Z62602	Thermal Breaker, 12A	1
4	Z62813	Plug, #18	1
5	Z63406	Recp, 20A 125V 5-20R	2
6	Z78304	Machine Screw, #6NC x 3/8"	4



# Wiring Diagram

## Connection Identification

### Connection Type

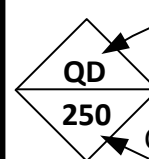
QD	Male/Female Quick Disconnect
SR	Serrated Ring
SSP	Snap Spade
FQD	Flag Quik Disconnect
PQD	Piggy Back Quik Disconnect
STRP	Strip
SPDE	Spade
RING	Ring
HOOK	Hook
BLLT	Male/Female Bullet
LT	Lock Tab

### Sizes:

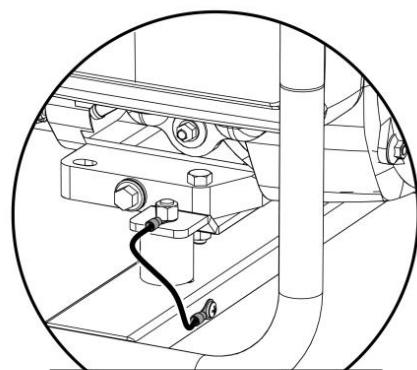
#6
#8
#10
0.156"
0.250"
0.313"
0.500"
0.750"

### Connection

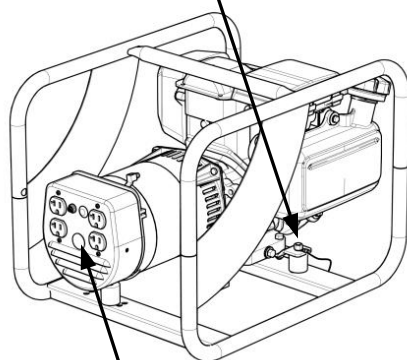
Type



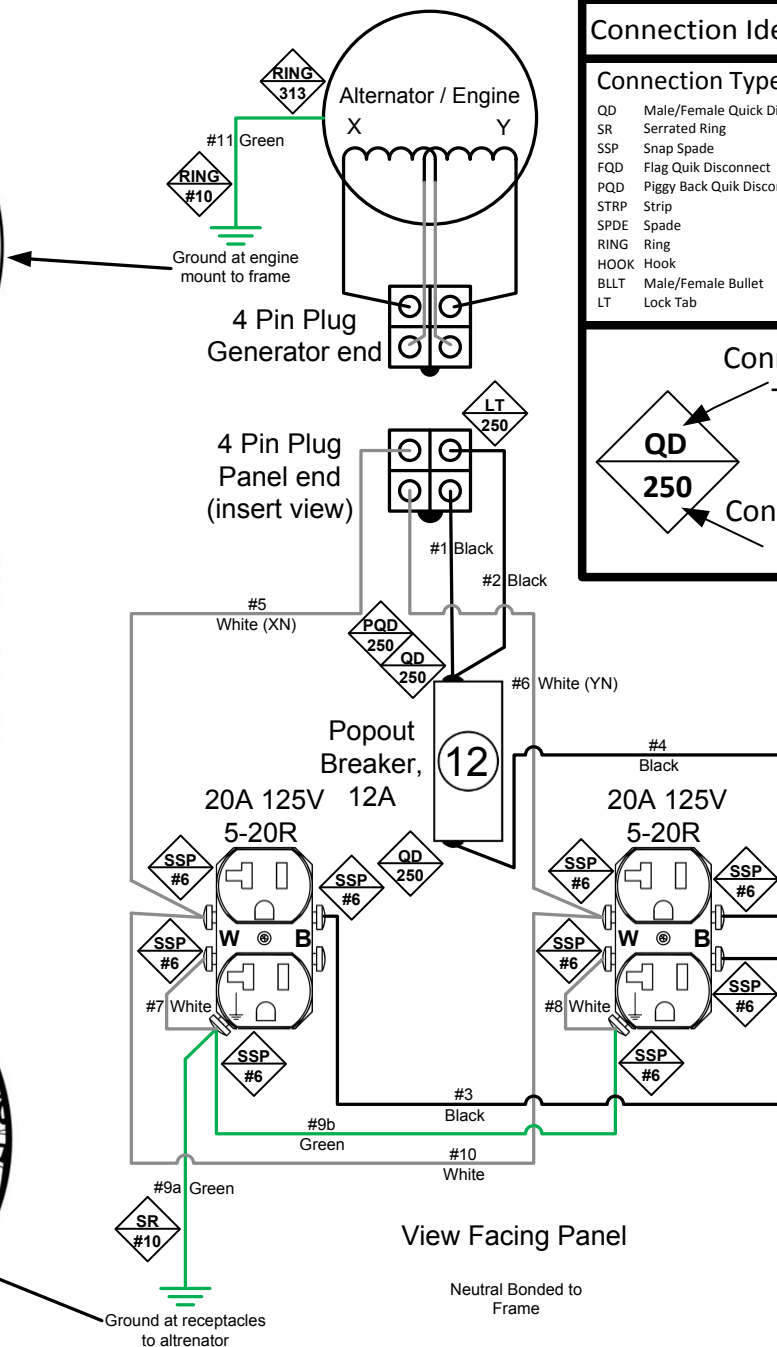
Size



Z76712 Self-tapping Screw, #10 x 3/4"



Z76715 Self-tapping Screw, #6 x 3/8"

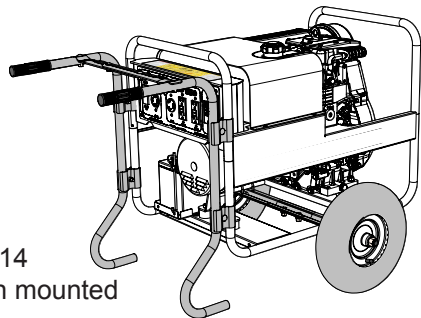
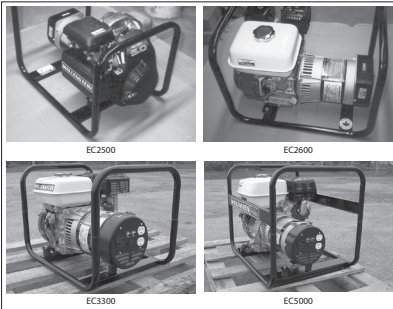



#Z62302 EC2500 Generator Bundle

4011T100 EC2500 Wiring Diag.vsd 052015

**Accessories**

Call your dealer for pricing and availability

 <p>#WK214 Shown mounted</p>	<p>#WK210 TWO WHEEL KIT WITH 10" TIRES #WK214 TWO WHEEL KIT WITH 14" TIRES</p> <p>A must have add on kit for true portability! Kit consist of handles and axle with tires The kit is easy to install and simply clamps on to the existing frame.</p>
<div data-bbox="261 709 729 1339"><p>PORTABLE GENERATOR MODELS EC2500, EC2600, EC3300 &amp; EC5000</p><p>OPERATOR'S MANUAL</p></div>	<p><b>#Z97036</b> <b>EC2500, EC2600,</b> <b>EC3300 &amp; EC5000</b> <b>OPERATOR'S MANUAL</b></p> <p>Available as a download at <a href="http://www.embmfg.com">www.embmfg.com</a></p>