



ETON America

PARTS CATALOG

Viper 40E

Parts and drawing are subject to change without notice. ETON America reserves the right to substitute parts that have engineering changes that can alter the appearance of the part but performs the same function as the original parts. ETON America can not be held liable for errors or typographical errors in this publication.

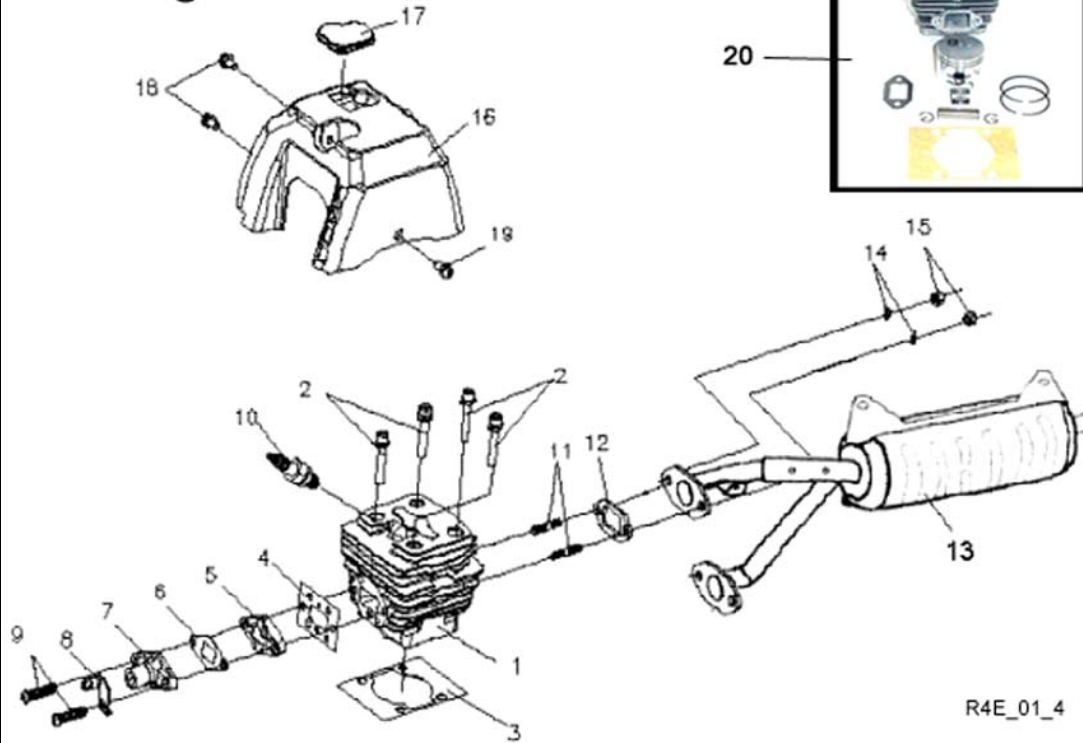
Table of Contents

Viper 40E



Figure No.	Content Reference
01	Cylinder, Exhaust & Engine Shroud
02	A/C Generator & Clutch
03	Crankcase, Crankshaft & Piston
04	Transmission
05	Carburetor & Air Filter
06	Engine, Electrical & Recoil Starters
07	Electrical Parts & Frame
08	A-Arms & Swing Arm
09	Body Covers, Trim & Seat
10	Front & Rear Shock Absorbers
11	Fuel Mixture Tank & Lines
12	Front/Rear Tires & Wheels
13	Rear Brake & Cable
14	Handlebar, Brake Cable & Safety Tether Switch
15	Front Bumper & Footrest Bar
16	Rear Drive Axle, Chain & Rear Chain Guards
17	Steering, Tie Rods & Knuckles
18	Accessories & Owner's Manual

01. Cylinder, Exhaust & Engine Shroud



R4E_01_4

Fig Ref	Item No.	Description	Qty Req
1-1	700121	Cylinder 40cc	1
1-2	700336	Socket Bolt & Washer (M5x20)	4
1-3	700122	Cylinder Base Gasket	1
1-4	700128	Inlet Pipe Gasket	1
1-5	700131	Inlet Pipe Insulator	1
1-6	700129	Carburetor Gasket	1
1-7	700130	Inlet Pipe	1
1-8	700353	Carburetor Plate	1
1-9	700301	Pan Head Bolt (M5x28)	2
1-10	700313	Spark Plug (BPM7A)	1
1-11	700354	Exhaust Muffler Stud	2
1-12	700146	Exhaust Muffler Gasket	1
1-13	811568	Exhaust Muffler	1
1-14	700344	Lock Washer (M5x9x1)	2
1-15	700355	Lock Nut (M4x8)	2
1-16	700151	Cylinder Shroud	1
1-17	700152	Shroud Rubber Cap	1
1-18	700303	Pan Head Bolt & Washer (M5x12)	2
1-19	811203	PanHead Bolt & Washer (M5x12)	1
1-20	810788	40cc Top End Kit	1

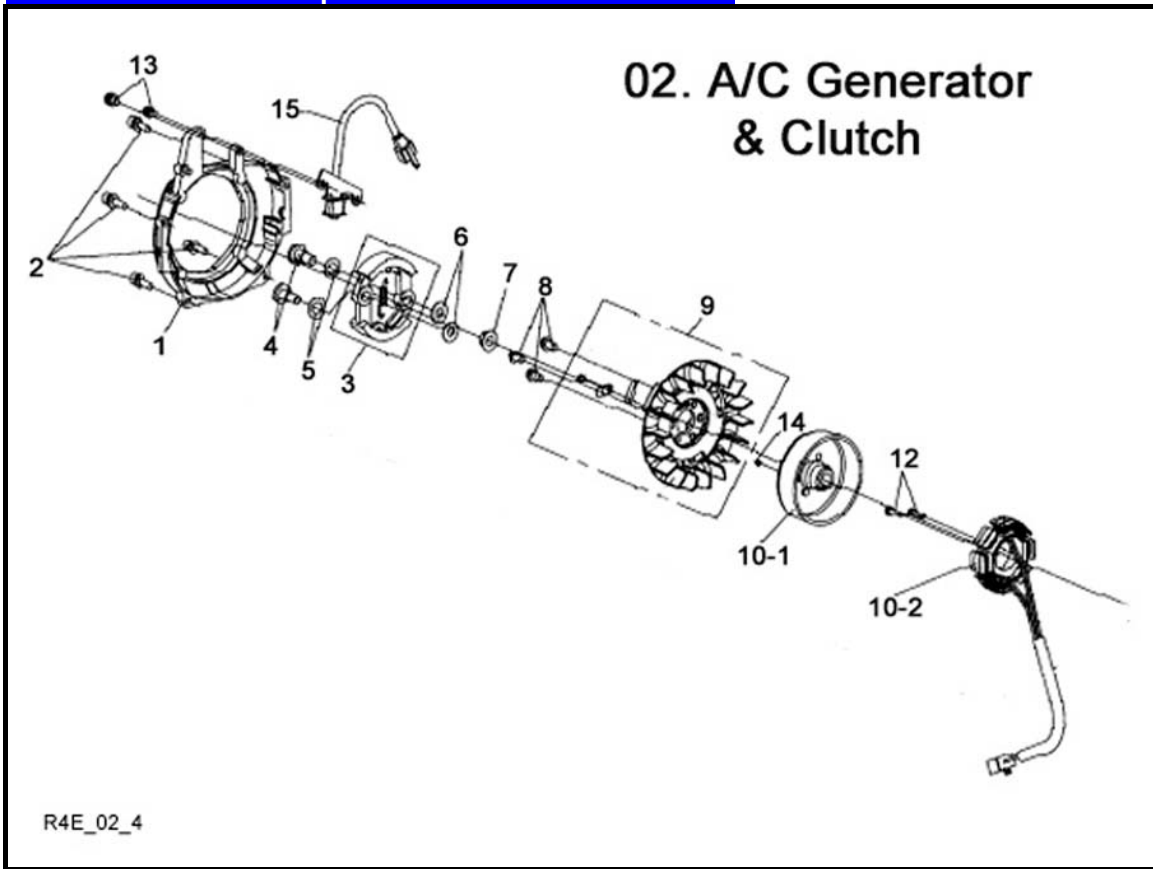


Fig Ref	Item No.	Description	Qty Req
2-1	811204	Side Cover (RH)	1
2-2	700010	Socket Bolt & Washer (M5x20)	4
2-3	700160	Clutch Shoes	1
2-4	700158	Clutch Weight Bolt (M8x22)	2
2-5	700287	Wave Washer (M10x16x1)	2
2-6	700286	Flat Washer (M9x18x1)	2
2-7	700305	Flange Nut (M8x15)	1
2-8	800141	Flange Bolt SH (M6x12)	3
2-9	811205	Engine Cooling Fan	1
2-10-1	811206	Flywheel	1
2-10-2	811207	A/C Generator	1
2-12	811209	PanHead Bolt & Washer (M4x16)	2
2-13	811210	PanHead Bolt & Washer (M5x10)	2
2-14	811212	Lock Pin	1
2-15	811211	Trigger Module	1

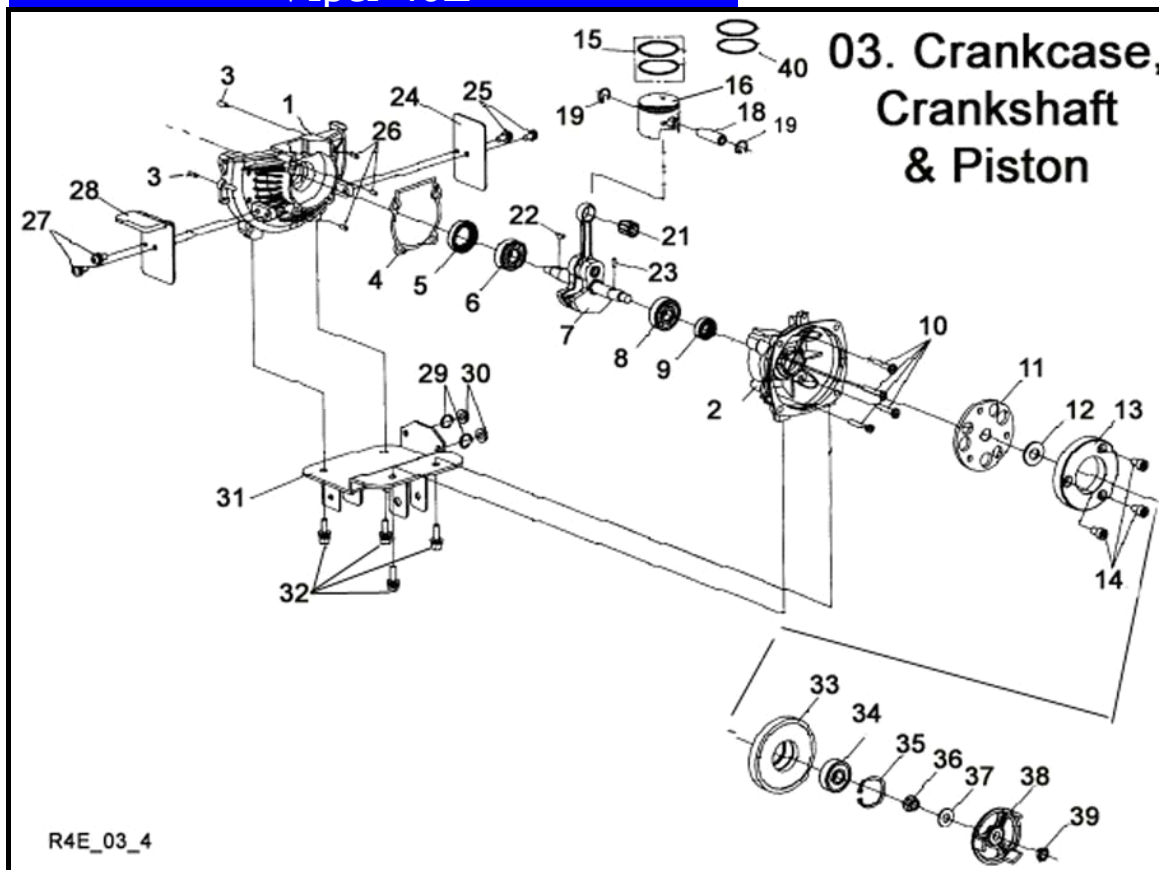


Fig Ref	Item No.	Description	Qty Req
3-1	811213	Crankcase (RH) 40cc	1
3-2	811214	Crankcase (LH) 40cc	1
3-3	700369	Spring Pin	2
3-4	700102	Crankcase Gasket	1
3-5	700291	Oil Seal (12x22x7)	1
3-6	650213	Radial Ball Bearing (6201)	2
3-7	811215	Crankshaft	1
3-8	811216	Radial Bearing (6002)	1
3-9	811217	Oil Seal (14x22x5)	1
3-10	700301	Pan Head Bolt (M5x28)	4
3-11	811218	Starter Clutch Plate	1
3-12	650509	Flat Washer (M13x25x2))	1
3-13	811219	Starter Clutch	1
3-14	811220	Allen Head Bolt (M6X10)	3
3-15	650117	Piston Ring (Set of 2)	1
3-16	700125	Piston 40cc	1
3-18	650116	Piston Wrist Pin	1
3-19	650118	Circle-Clip (Pair)	2
3-21	700290	Connecting Rod Bearing	1
3-22	700309	Woodruff Key	1
3-23	811222	Lock Pin	1
3-24	700356	Rear Heat Shield	1
3-25	700303	Pan Head Bolt & Washer (M5x12)	2
3-26	700308	Spring Pin	3
3-27	700303	Pan Head Bolt & Washer (M5x12)	2
3-28	700361	Front Heat Shield	1

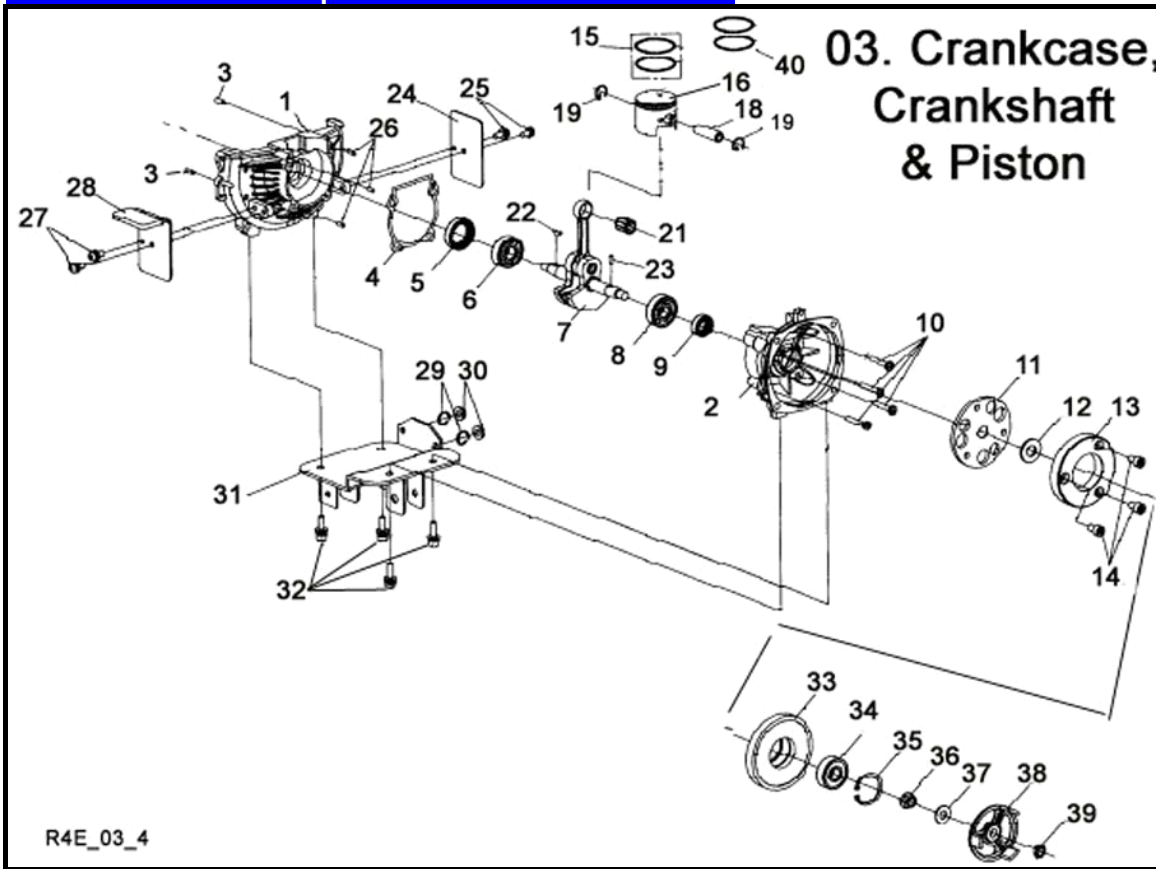


Fig Ref	Item No.	Description	Qty Req
3-29	700360	Lock Washer (M6x10x2)	2
3-30	650065	Nut (M6x11)	2
3-31	700358	Engine Bracket	1
3-32	700359	Socket Bolt & Washer (M6x20)	4
3-33	811223	Starter Gear	1
3-34	811272	Radial Bearing (6201LU)	1
3-35	700311	Circle-Clip	1
3-36	700305	Flange Nut (M8x15)	1
3-37	700288	Flat Washer (M9x18x1)	1
3-38	700168	Pull Starter Ratchet	1
3-39	700368	Lock Nut (M8x11)	1
3-40	811455	Spacer Ring Set	1

04. Transmission

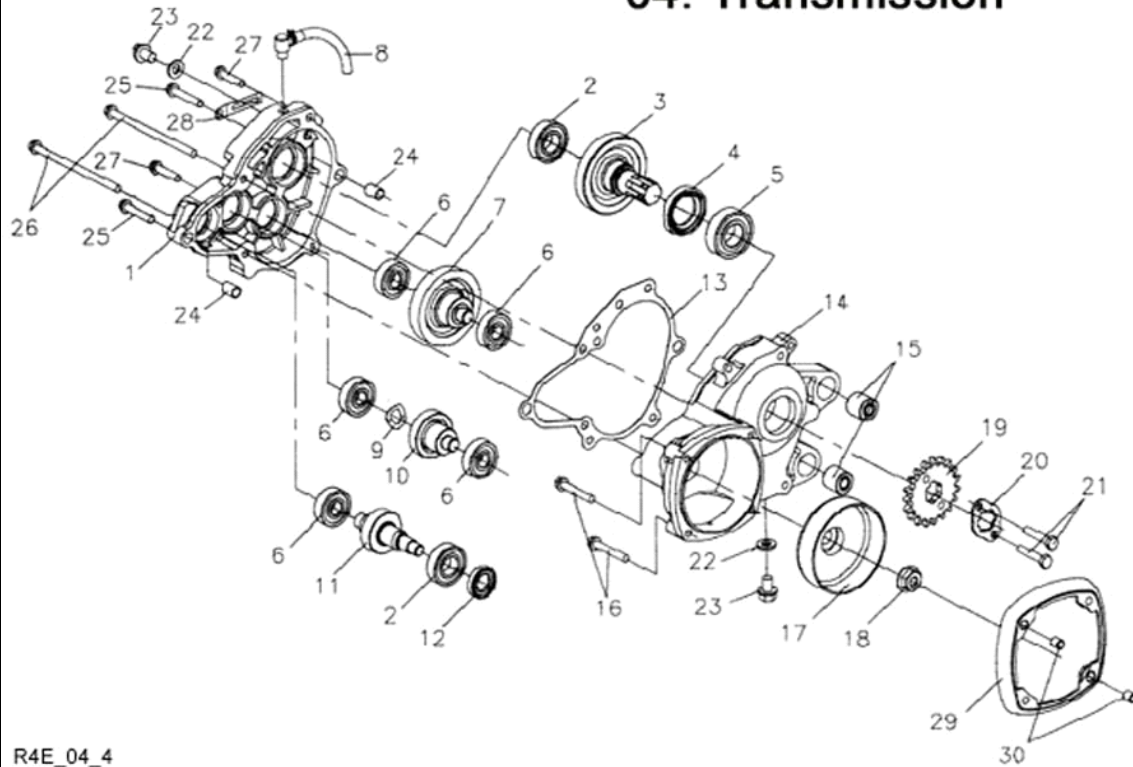


Fig Ref	Item No.	Description	Qty Req
4-1	700154	Transmission Cover	1
4-2	650199	Radial Ball Bearing (6003)	2
4-3	811225	Final Drive Shaft	1
4-4	700294	Oil Seal [27x42x7]	1
4-5	650218	Bearing (6004LUA)	1
4-6	650213	Radial Ball Bearing (6201)	5
4-7	700162	Counter Gear	1
4-8	650151	Breather Hose	1
4-9	700362	Wave Washer (M12x20x1)	1
4-10	700164	Idle Gear	1
4-11	700161	Drive Shaft	1
4-12	650200	Oil Seal (17x28x5.5)	1
4-13	700155	Transmission Cover Gasket	1
4-14	700153	Transmission Case	1
4-15	650150	Rear Shock Absorber Bushing	2
4-16	800477	Bolt (M6x40)	2
4-17	700156	Outer Drum	1
4-18	650202	Flange Nut (M10x22)	1
4-19	700165	Drive Sprocket (420x14T)	1
4-20	650225	Sprocket Plate	1
4-21	650226	Bolt (M6x10)	2
4-22	700289	Flat Washer (M8x14x1.5)	2
4-23	700406	Flange Bolt SH (M8x12)	2
4-24	650158	Dowel Pin (M10x14)	2
4-25	700327	Flange Bolt SH (M6x35)	2
4-26	700326	Flange Bolt SH (M6x100)	2

04. Transmission

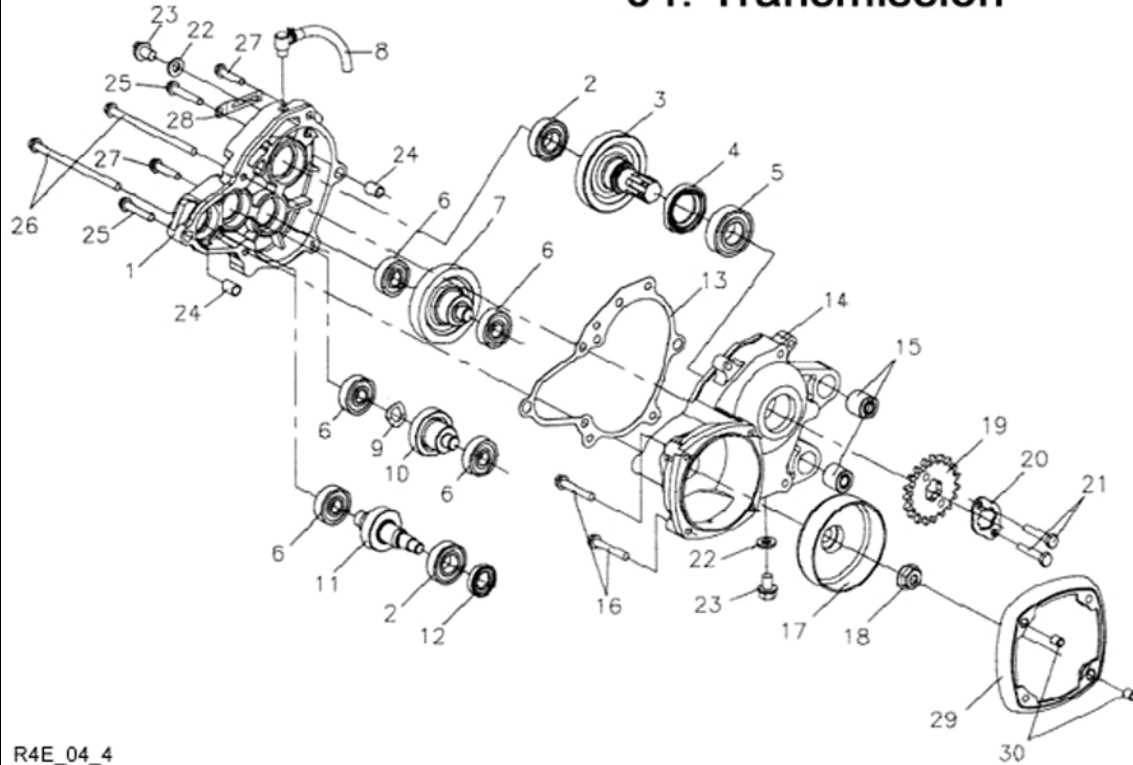


Fig Ref	Item No.	Description	Qty Req
4-27	700324	Flange Bolt SH (M6x28)	2
4-28	700175	Coil Wire Clamp	1
4-29	811228	Pull Starter Cover	1
4-30	811229	Lock Pin	2

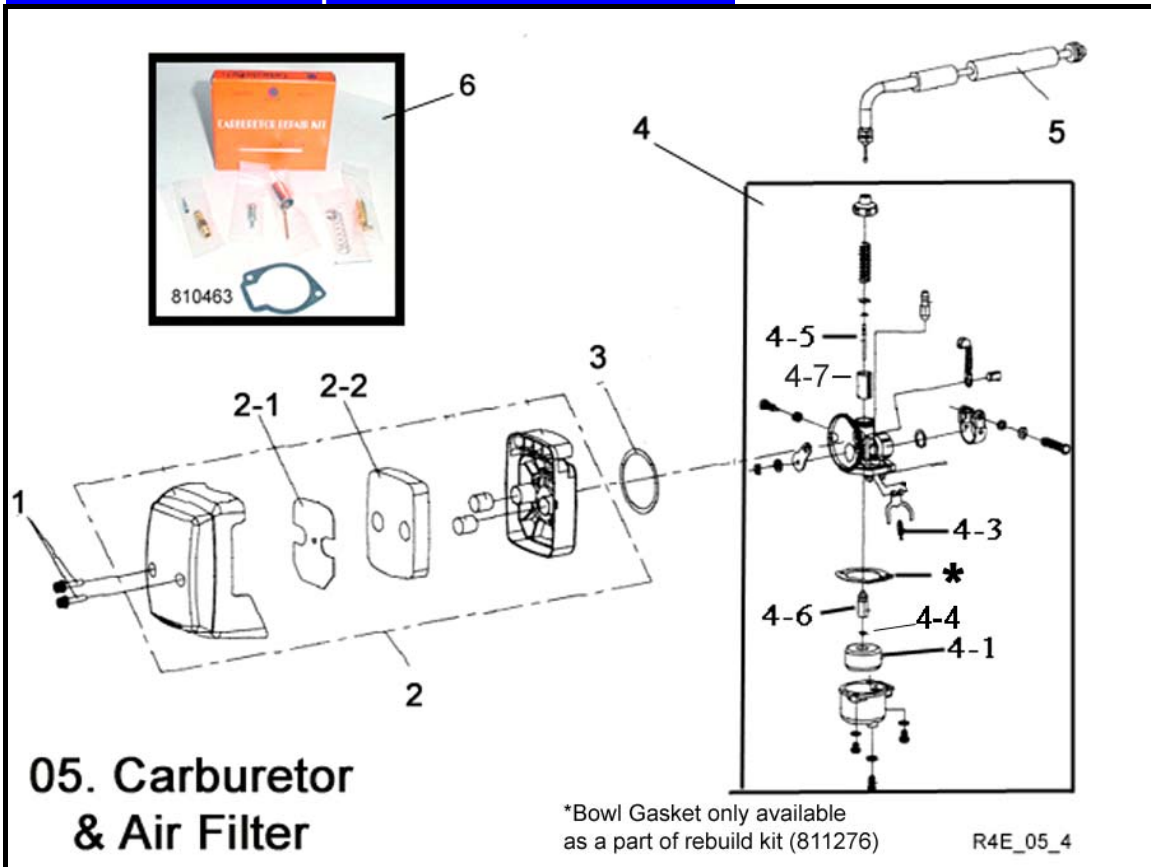


Fig Ref	Item No.	Description	Qty Req
5-1	700302	Pan Head Bolt & Washer (M4x25)	2
5-2	700132	Air Cleaner Assembly	1
5-2-1	700135	Air Cleaner Screen	1
5-2-2	700136	Air Cleaner Element	1
5-3	700363	Air Cleaner Gasket	1
5-4	700127	Carburetor (Manual Choke 40cc)	1
5-4-1	700366	Carburetor Float (40cc)	1
5-4-3	710404	Needle Valve	1
5-4-4	710403	Main Jet (*64)	1
5-4-5	710401	Jet Needle	1
5-4-6	710400	Main Jet Holder (*9.5)	1
5-4-7	812763	Throttle Valve (40cc)	1
5-5	700145	Throttle Cable	1
5-6	811276	Carburetor Kit (40cc New)	1
5-NP	810411	Main Jet #.61 (40cc)	1

06 Engine, Electrical & Recoil Starters

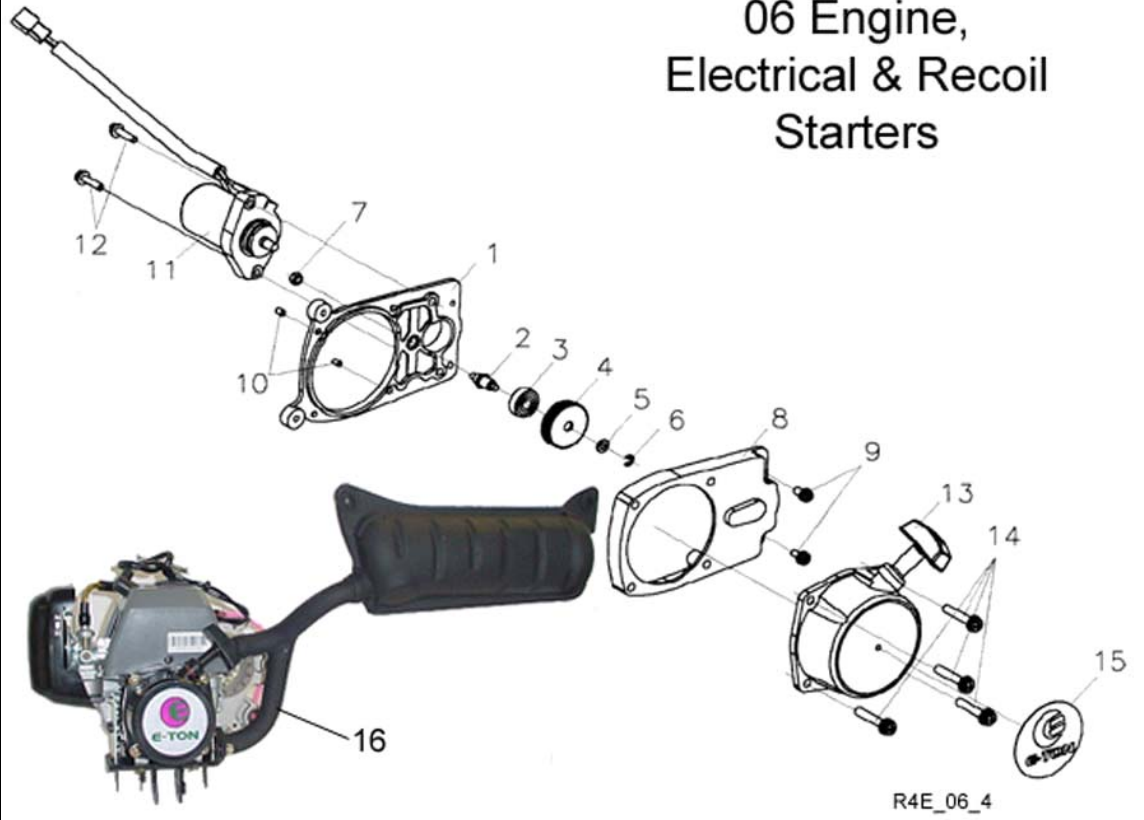


Fig Ref	Item No.	Description	Qty Req
6-1	811230	Starter Motor Mount	1
6-2	811231	Reduction Gear Shaft	1
6-3	811271	Radial Bearing (608Z)	1
6-4	811232	Starter Reduction Gear	1
6-5	811081	Flat Washer (M4x9x1)	1
6-6	811085	Circle Clip	1
6-7	811233	Flange Nut (M5x11)	1
6-8	811234	Starter Motor Cover Plate	1
6-9	700303	Pan Head Bolt & Washer (M5x12)	2
6-10	811235	Lock Pin	2
6-11	811236	Starter Motor	1
6-12	650143	Flange Bolt (M6x20)	2
6-13	700118	Pull Starter	1
6-14	811237	Pan Head Bolt & Washer (M6x36)	4
6-15	700370	E-TON Logo Label (Pull Starter	1
6-16	811273	Engine (40cc-E)	1

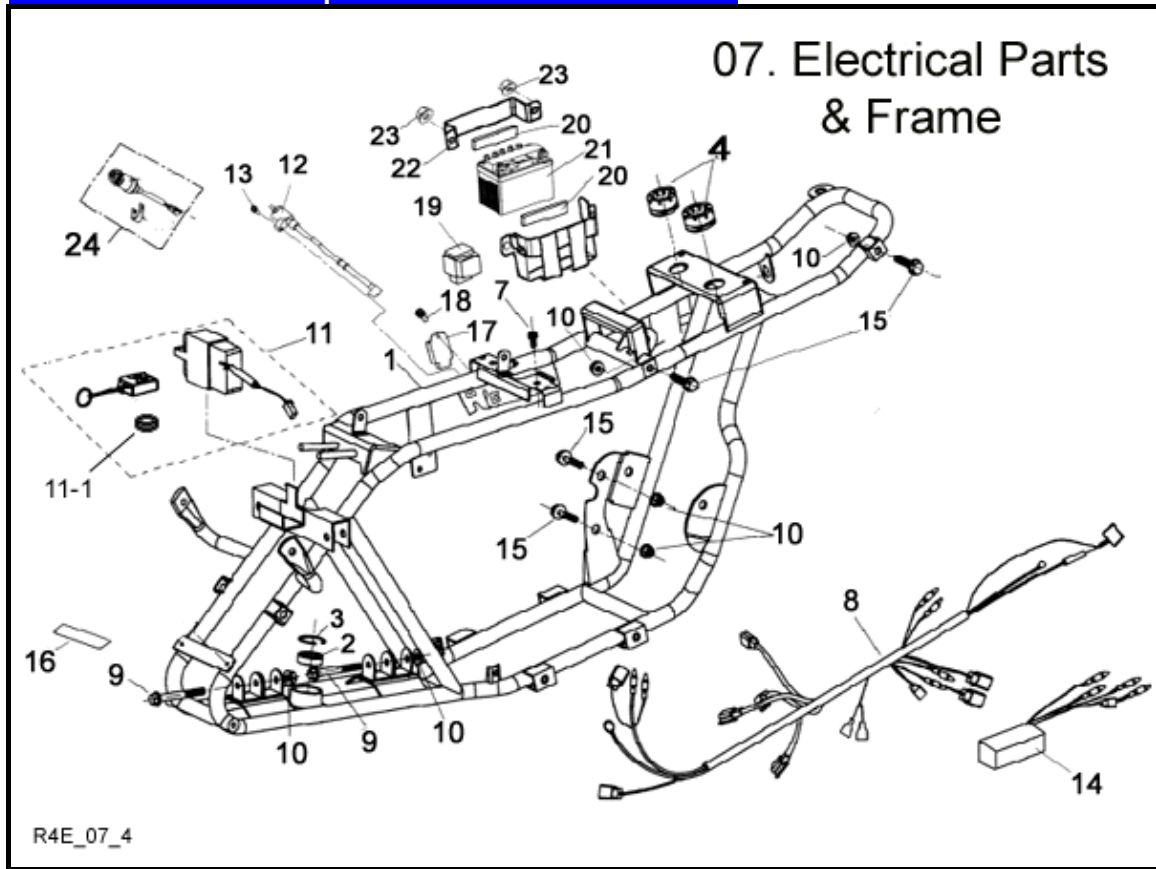


Fig Ref	Item No.	Description	Qty Req
7-1	811238	Frame (Viper 40E)	1
7-2	650967	Bearing (6002ZC3)	1
7-3	650248	Circle-Clip	1
7-4	650250	Rubber Damper (37 X 13 X 23)	2
7-7	650399	Pan Head Bolt & Washer (M6x12)	1
7-8	811239	Wiring Harness	1
7-9	700298	Flange Bolt (M8x70)	2
7-10	650279	Locking Flange Nut (M8x18)	6
7-11	811163	Remote Control Rcv/Trnmtr	1
7-11-1	814117	Key Fob Battery	1
7-12	811240	Ignition Coil	1
7-13	610116	Bolt & Washer (M5x20)	1
7-14	811241	C.D.I. Unit (6700rpm)	1
7-15	700273	Flange Bolt (M8x40)	4
7-16	650306	MFD Label	1
7-17	812714	Rectifier	1
7-18	650453	Pan Head Bolt & Washer (M6x16)	1
7-19	650459	Starter Relay	1
7-20	650264	Battery Pad	2
7-21	650559	Battery (GTX4L-BS)	1
7-22	650261	Battery Retainer Strap	1
7-23	800504	Locking Flange Nut (M6x11)	2
7-24	650720	Ignition Key Switch (4wire)	1

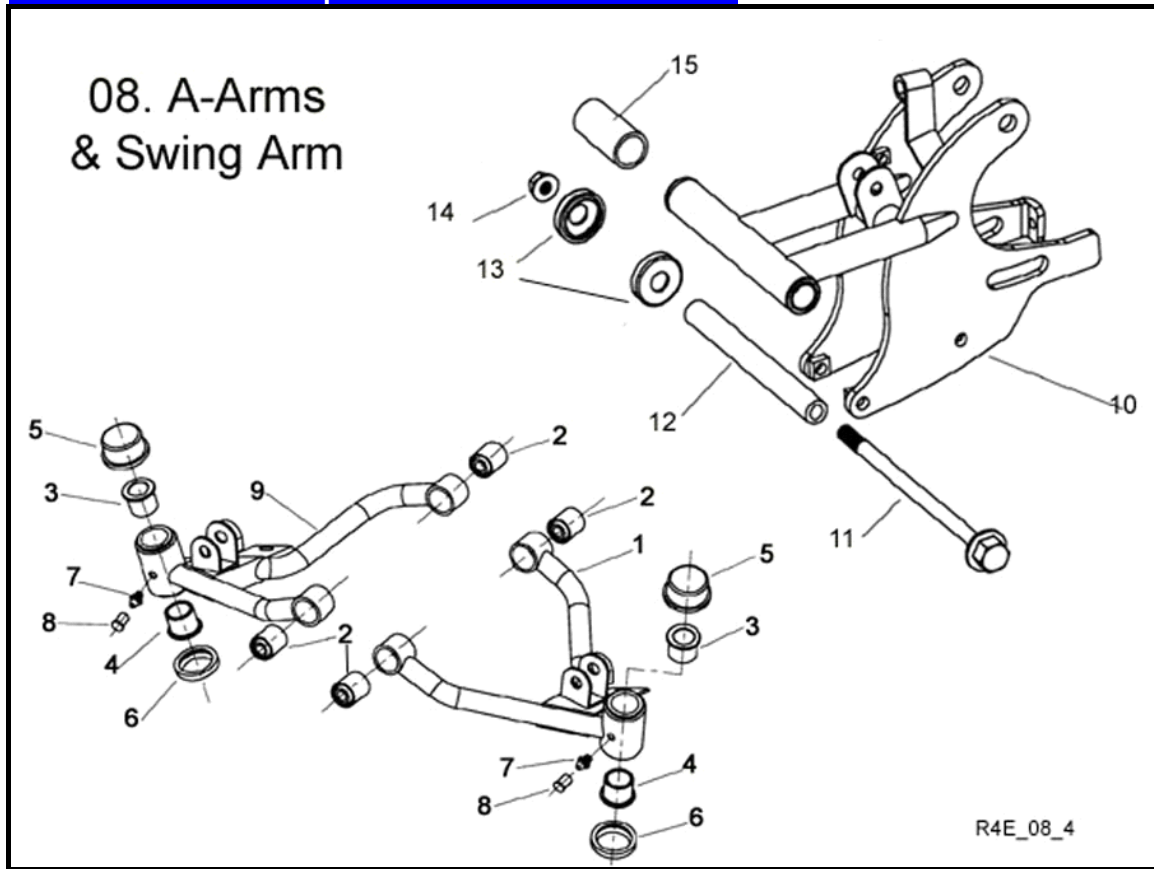


Fig Ref	Item No.	Description	Qty Req
8-1	700217	A-Arm (LH)	1
8-2	700218	Bushing (O20xO8.1x21x24)	4
8-3	650282	Oil Containing Bushing (O15.5)	2
8-4	650283	Oil Containing Bushing (17)	2
8-5	650285	Dust Cover	2
8-6	650286	Dust Seal	2
8-7	650289	Grease Zerk	2
8-8	650290	Grease Zerk Cap	2
8-9	700226	A-Arm (RH)	1
8-10	710239	Swing Arm RXL-40	1
8-11	700236	Swing Arm Set Bolt (M10x186)	1
8-12	700238	Swing Arm Spacer (O17xO10x158.	1
8-13	700237	Swing Arm Seal Cover	2
8-14	700320	Locking Flange Nut (M10)	1
8-15	700364	Rubber Chain Guard	1

9. Body Cover, Seat & Graphics

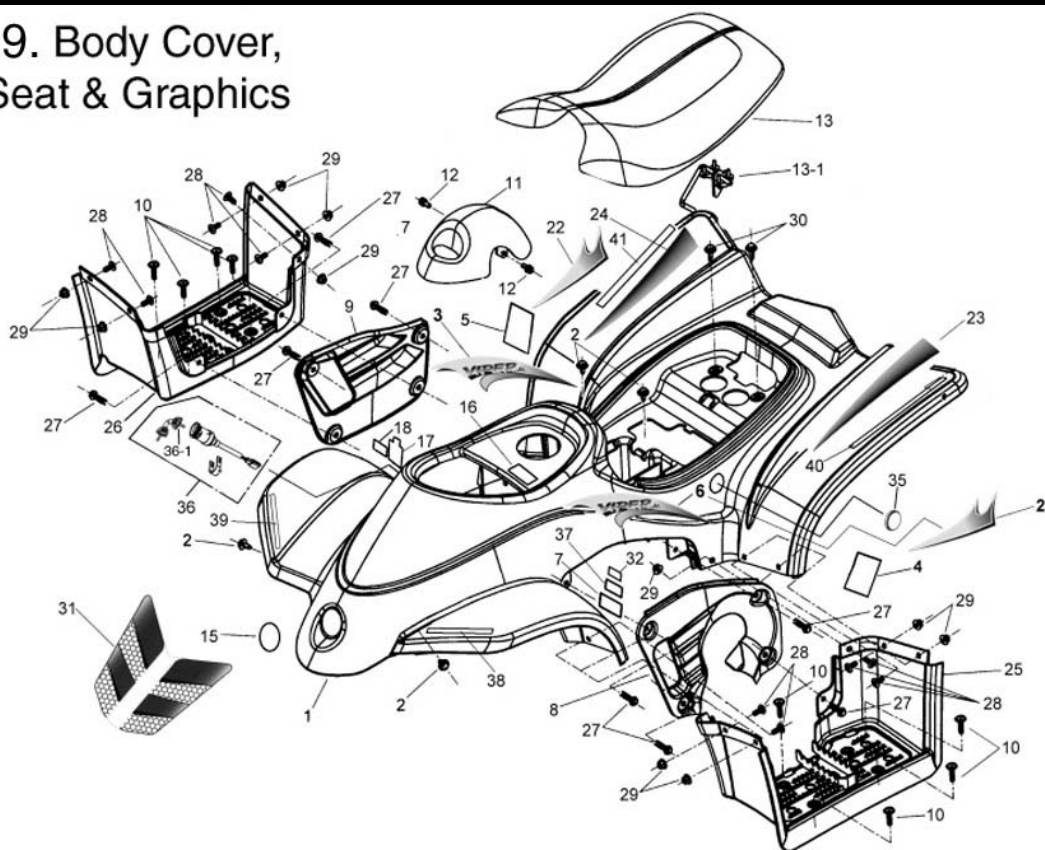


Fig Ref	Item No.	Description	Qty Req
9-1	710100	Viper Jr. Body Cover (Red)	1
9-1	710101	Viper Jr. Body Cover (Blue)	1
9-2	650262	Bolt Washer & Nut (M6x18)	4
9-3	811243	Viper Jr.-E Graphic (RH)	1
9-4	811546	Warning Label (Passenger-Y6)	1
9-4	812317	Warning Label (Passanger-Y8)	1
9-5	811547	Warning Label (Y6)	1
9-5	812318	Warning Label (Y8)	1
9-6	811246	Viper Jr.-E Graphic (LH)	1
9-7	811137	Remote Control Warning Label	1
9-8	811247	Side Cover (LH)	1
9-9	710106	Side Cover (RH)	1
9-10	610118	Pan Head Bolt (M6x20)	8
9-11	710102	Handle Bar Cover (Red)	1
9-11	710103	Handle Bar Cover (Blue)	1
9-12	650453	Pan Head Bolt & Washer (M6x16)	2
9-13	710120	Viper Jr. Seat	1
9-13-1	710121	Viper Jr. Seat Latch	1
9-14	700348	Warning Label (Weight 77lb)	1
9-15	750270	E-TON Logo Emblem (Silver)	1
9-16	700347	Warning Label (Premix 50:1)	1
9-21	811249	Rear Fender Graphic 1 (LH)	1
9-22	811250	Rear Fender Graphic 1 (RH)	1
9-23	811252	Rear Fender Graphic 2 (LH)	1
9-24	811255	Rear Fender Graphic 2 (RH)	1
9-25	811253	Footrest Cover, (LH)	1

9. Body Cover, Seat & Graphics

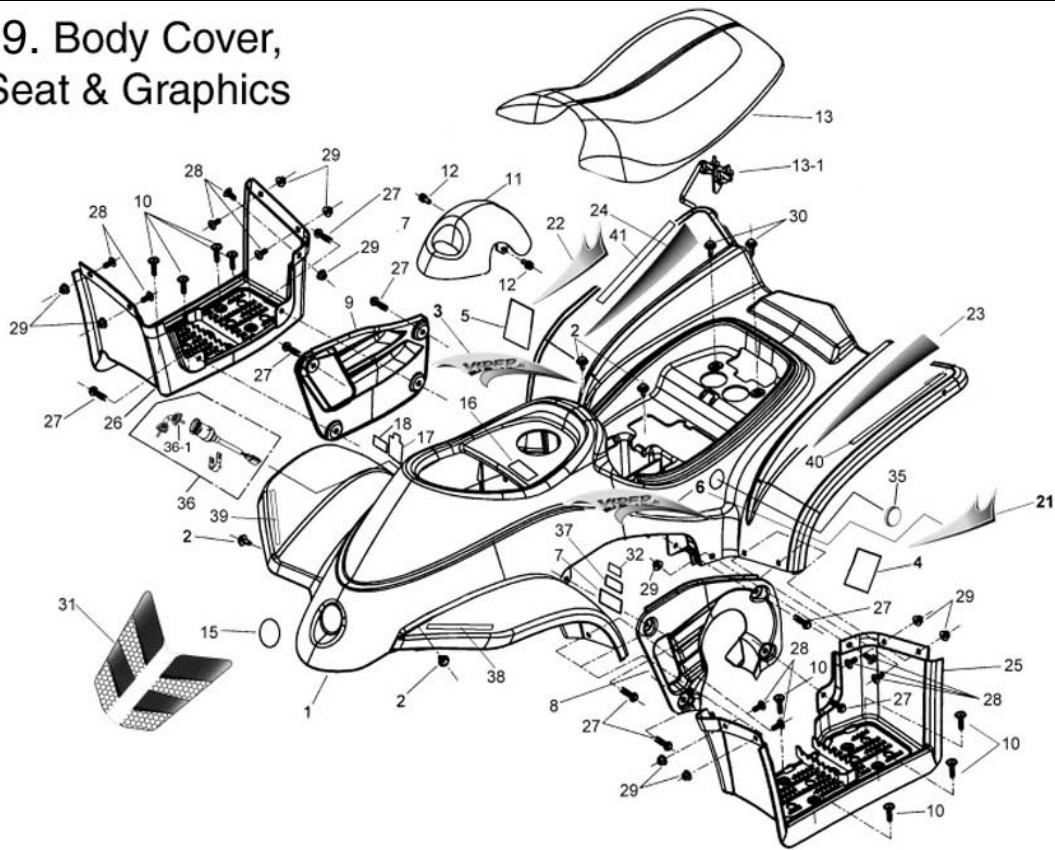


Fig Ref	Item No.	Description	Qty Req
9-26	710126	Footrest Cover (RH)	1
9-27	800374	Plastic Fastener	8
9-28	650943	Button Head Bolt (M6x18)	10
9-29	800504	Locking Flange Nut (M6x11)	10
9-30	650901	Bolt & Washer (M6x20)	2
9-31	710143	Viper Jr. Grill Graphic	1
9-35	650139	Rubber Plug	1
9-36	650720	Ignition Key Switch (4wire)	1
9-36-1	810009	Blank Key (RH Cut)	1
9-38	811256	Electric Start Graphic (LH)	1
9-39	811251	Electric Start Graphic (RH)	1
9-40	811257	Remote Control Graphic (LH)	1
9-41	811258	Remote Control Graphic (RH)	1

10. Front & Rear Shock Absorbers

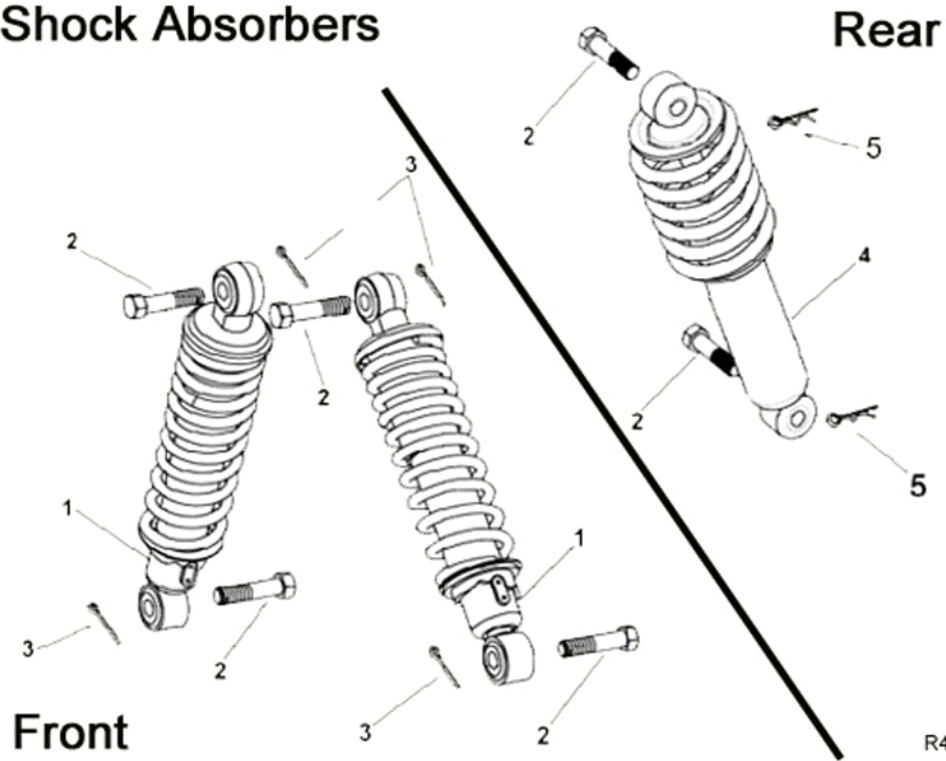
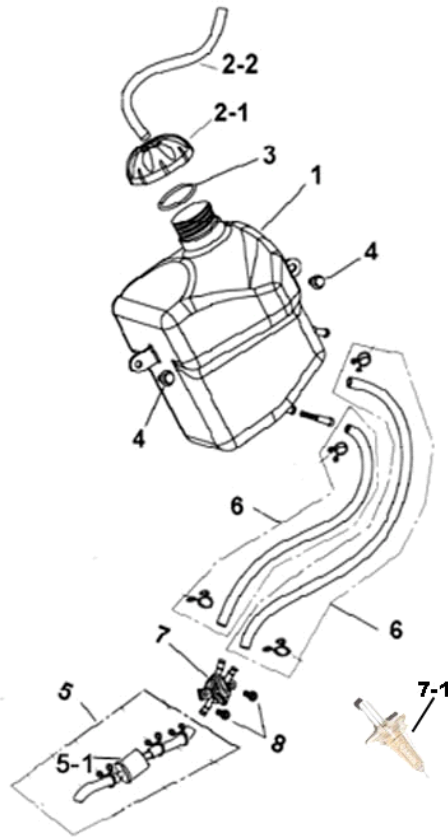


Fig Ref	Item No.	Description	Qty Req
10-1	700235	Front Shock Absorber	2
10-2	650997	Pin Hole Bolt (M10 X 40)	6
10-3	650339	Cotter Pin (1/8 x 1)	4
10-4	700240	Rear Shock Absorber	1
10-5	750318	Hair Pin Cotter	2

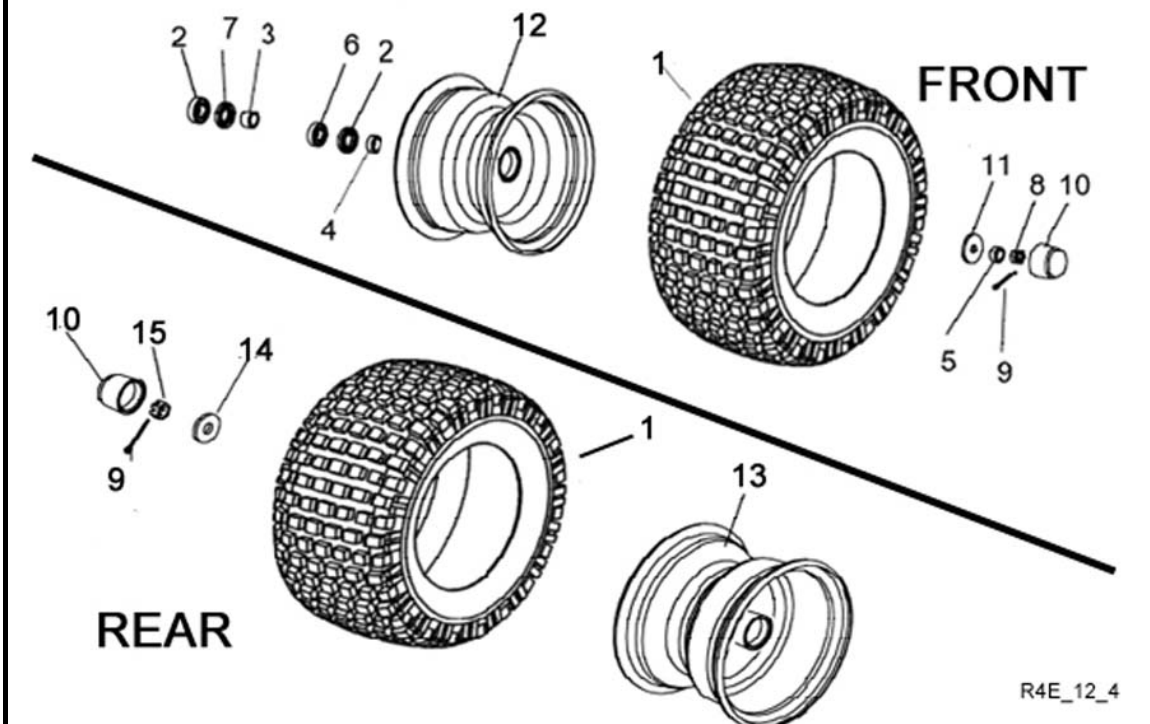
11. Fuel Mixture Tank



R4E_11_4

Fig Ref	Item No.	Description	Qty Req
11-1	700137	Fuel Mixture Tank	1
11-2-1	650327	Fuel Tank Cap	1
11-2-2	650853	Breather Tube	1
11-3	650862	Fuel Cap Neck Seal	1
11-4	650901	Bolt & Washer (M6x20)	2
11-5	700408	Fuel Line and Filter	1
11-5-1	800002	Fuel Filter Element	1
11-6	700138	Fuel Line	2
11-7	650331	Fuel Petcock	1
7-1	990017	¼ X 3 ClrStone Fuel Filter	1
11-8	650332	Pan Head Bolt (M5x16)	2

12. Front/Rear Tires & Wheels



R4E_12_4

Fig Ref	Item No.	Description	Qty Req
12-1	700211	Tire (145x70x6)	4
12-2	650345	Oil Seal (22x35x7)	4
12-3	650346	Inner Spacer (15x21.7X15)	2
12-4	650347	Outer Spacer (15x21.7x10)	2
12-5	700209	Outer Spacer (O17.O21.7x17)	2
12-6	650999	Bearing (6002LU)	2
12-7	750385	Bearing (6003LU)	2
12-8	650350	Castle Nut (M12x16)	2
12-9	811084	Cotter Pin	4
12-10	650353	Rubber Hub Cap	4
12-11	650354	Flat Washer (M10x40x4)	2
12-12	700205	Wheel Rim (Front)	2
12-13	700204	Wheel Rim (Rear)	2
12-14	650368	Flat Washer (M14x40x5))	2
12-15	800525	Castle Nut (M14x19)	2

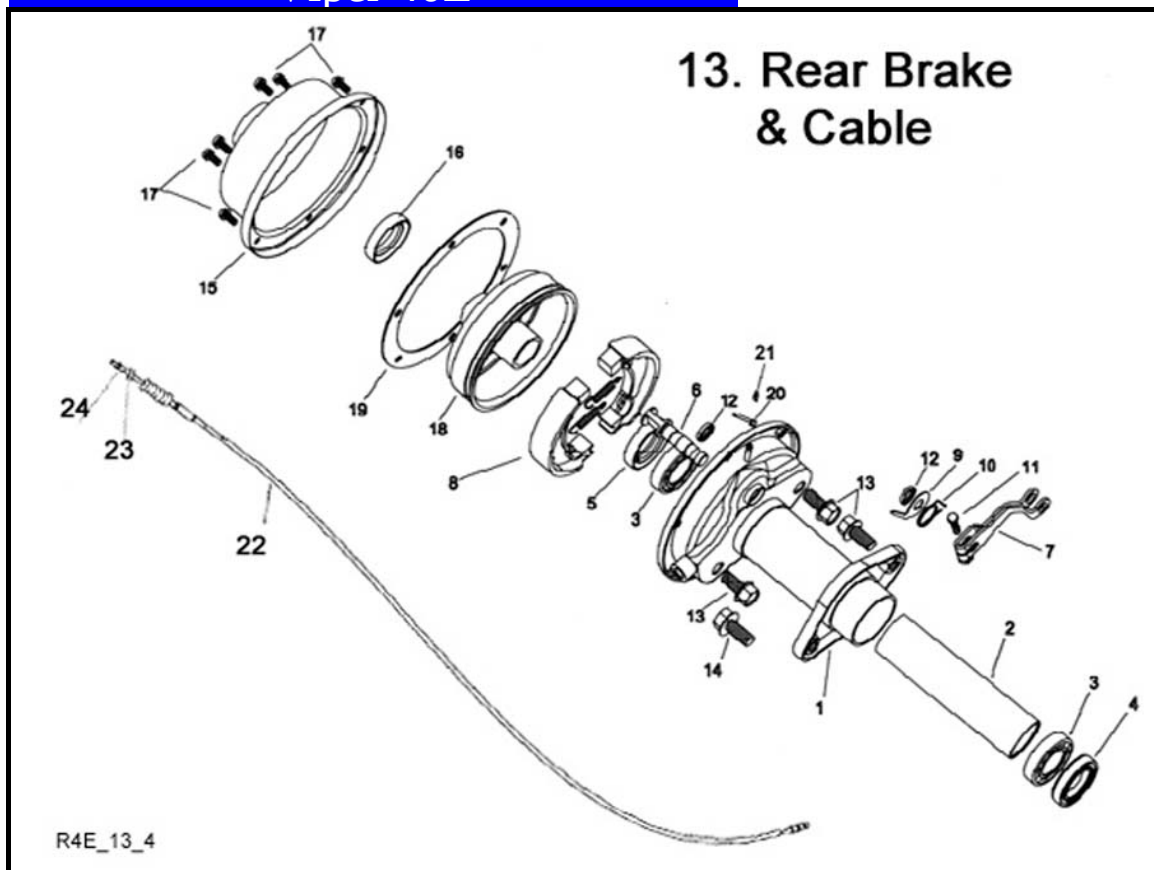


Fig Ref	Item No.	Description	Qty Req
13-1	700187	Rear Axle Bearing Seat	1
13-2	700188	Spacer (31x36x63.7)	1
13-3	650386	Bearing (6006ZZ)	2
13-4	650811	Oil Seal (42x55x8)	1
13-5	650483	Oil Seal [38x55x10]	1
13-6	650389	Rear Brake Cam	1
13-7	700198	Rear Brake Arm	1
13-8	650391	Rear Brake Shoes	1
13-9	650392	Rear Brake Wear Indicator	1
13-10	650393	Brake Return Spring	1
13-11	650394	Bolt (M6 X 30)	1
13-12	650388	Oil Seal (14x20x4)	2
13-13	700276	Flange Bolt (M12x20)	3
13-14	650395	Flange Bolt (M12 X 25)	1
13-15	650544	Rear Drum Cover	1
13-16	650545	Oil Seal (38 X 52 X9)	1
13-17	650399	Pan Head Bolt & Washer (M6x12)	6
13-18	650546	Rear Brake Drum	1
13-19	650404	Rear Drum Cover Gasket	1
13-20	650979	Drain Tube	1
13-21	650406	Purge Hole Plug	1
13-22	700252	Rear Brake Cable	1
13-23	650070	Brake Cable Adj Nut & Cylinder	1
13-24	811262	Brake Cable Adjuster Nut	1

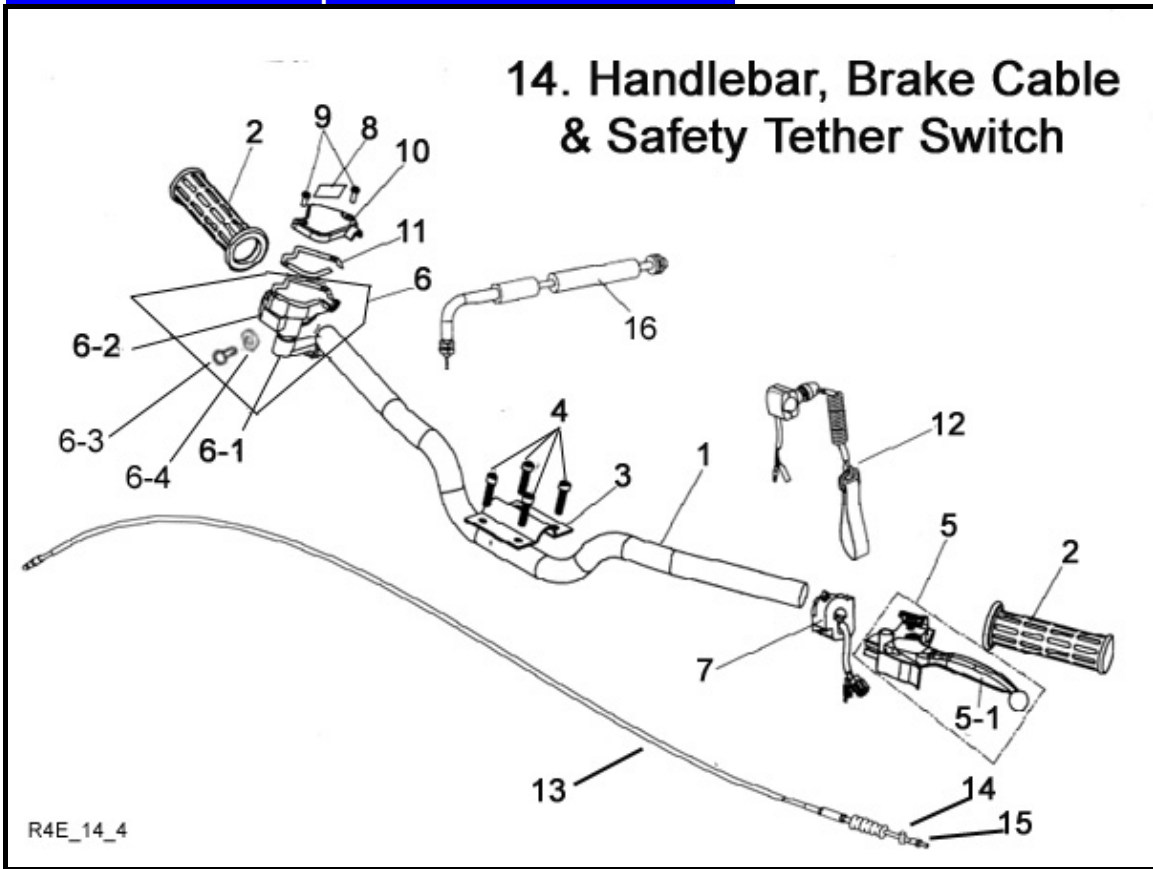


Fig Ref	Item No.	Description	Qty Req
14-1	700241	Handlebar	1
14-2	700243	Handlebar Grip	2
14-3	700242	Handlebar Clamp Cap	1
14-4	700280	Flange Bolt (M6x20)	4
14-5	811263	Brake Lever (LH)	1
14-5-1	700346	Lever only-(LH)	1
14-6	700245	Throttle Lever, (RH)	1
14-6-1	700247	Throttle Lever (only)	1
14-6-2	811151	Throttle Lever Body	1
14-6-3	800221	Pan Head Bolt (M5x25)	1
14-6-4	813213	Nut (M5x8)	1
14-7	811264	Handlebar Switch	1
14-8	700271	Throttle Speed Label	1
14-9	700365	Pan Head Bolt (M4x15)	2
14-10	700251	Throttle Body Cover	1
14-11	700248	Throttle Body Cover Gasket	1
14-12	811154	Safety Tether Switch-2005 & Up	1
14-13	700252	Rear Brake Cable	1
14-14	650070	Brake Cable Adj Nut & Cylinder	1
14-15	811262	Brake Cable Adjuster Nut	1
14-16	700145	Throttle Cable	1

15. Front Bumper & Footrest Bar

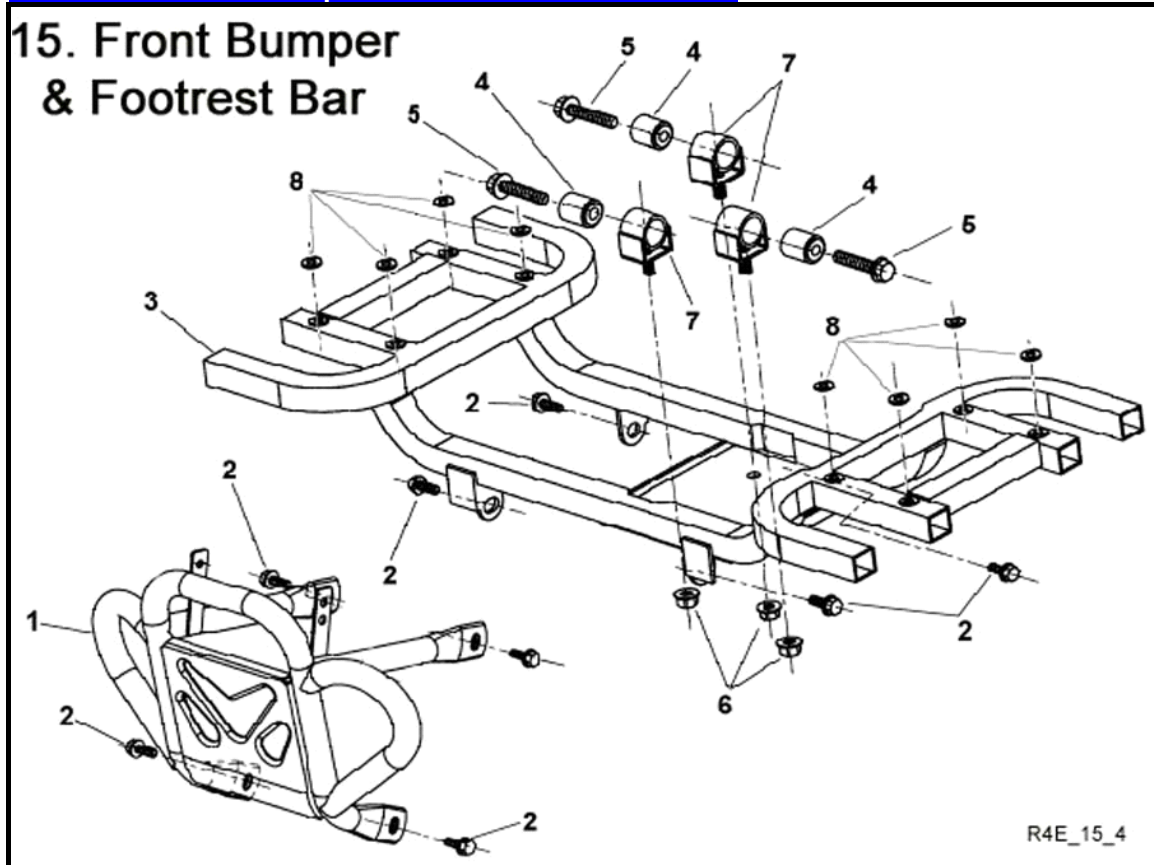


Fig Ref	Item No.	Description	Qty Req
15-1	710127	Front Bumper Guard	1
15-2	650402	Flange Bolt (M8 X 12)	8
15-3	811265	Footrest Support Bar	1
15-4	700218	Bushing (O20xO8.1x21x24)	3
15-5	700273	Flange Bolt (M8x40)	3
15-6	650279	Locking Flange Nut (M8x18)	3
15-7	700233	Engine Mount	3
15-8	710124	Shock Absorbing Mounts	8

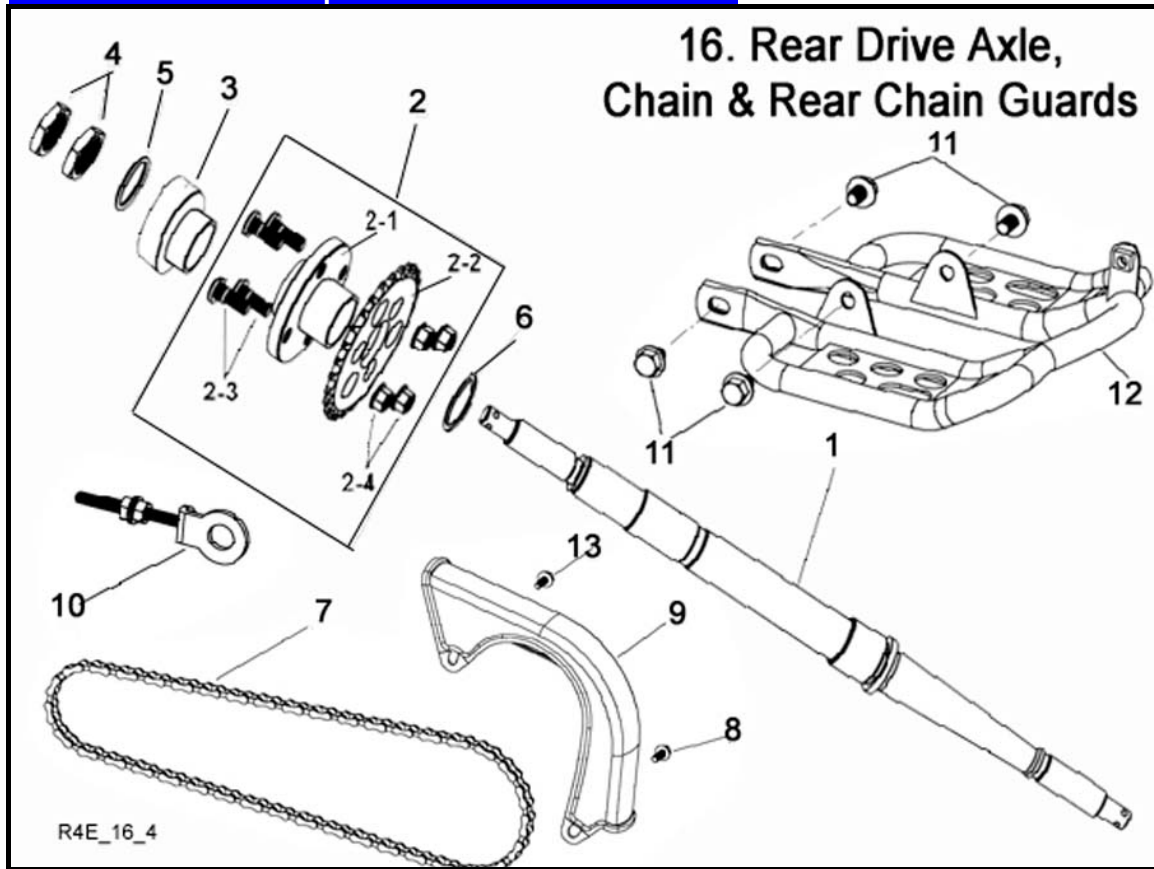


Fig Ref	Item No.	Description	Qty Req
16-1	700184	Rear Axle	1
16-2	700180	Rear Sprocket 420x36T & Holder	1
16-2-1	650422	Rear Sprocket Holder	1
16-2-2	700182	Rear Sprocket (420x36T)	1
16-2-3	650552	Stud Bolt (M10x25))	4
16-2-4	650255	Locking Flange Nut (M10x19)	4
16-3	700181	Spacer	1
16-4	650555	Rear Axle Nut (M28x35x8)	2
16-5	700295	O-Ring	1
16-6	700345	Flat Washer (M35x40x1)	1
16-7	650425	Drive Chain (Std #420x78L)	1
16-8	650940	Bolt & Washer (M6x25)	1
16-9	700179	Drive Chain Cover	1
16-10	650966	Chain Adjuster	1
16-11	650294	Flange Bolt (M8 X 16)	4
16-12	700178	Rear Skid Plate	1
16-13	700337	Bolt & Washer (M6x30)	1

17. Steering, Tie Rods & Knuckles

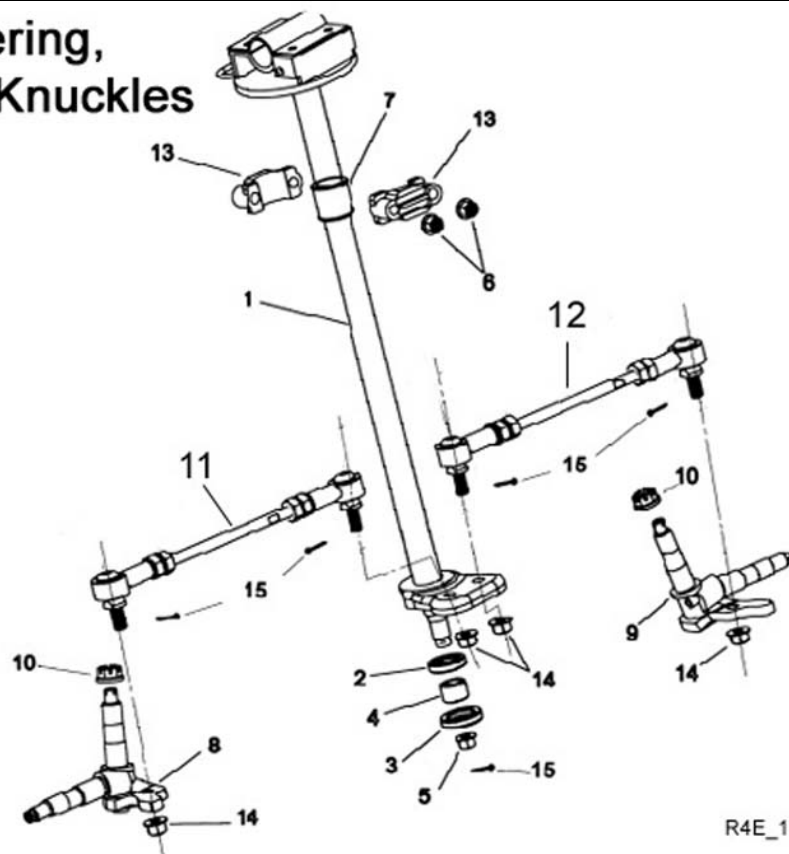


Fig Ref	Item No.	Description	Qty Req
17-1	700246	Steering Shaft	1
17-2	650430	Oil Seal (18x32x7)	1
17-3	650345	Oil Seal (22x35x7)	1
17-4	650346	Inner Spacer (15x21.7X15)	1
17-5	650278	Locking Flange Nut (M14x25)	1
17-6	650279	Locking Flange Nut (M8x18)	2
17-7	650435	PU Bushing Sleeve	1
17-8	700221	Knuckle (LH)	1
17-9	700227	Knuckle (RH)	1
17-10	650438	Locking Flange Nut (M10x20)	2
17-11	700228	Steering Tie-Rod (LH)	1
17-12	700229	Steering Tie-Rod (RH)	1
17-13	650442	Steering Shaft Clamp	2
17-14	650255	Locking Flange Nut (M10x19)	4
17-15	650339	Cotter Pin (1/8 x 1)	5



Fig Ref	Item No.	Description	Qty Req
18-1	700267	Tool Set	1
18-3	800529	Tire Pressure Gage	1
18-4	811072	E-TON Safety Flag (Complete)	1
18-4-1	811070	Flag & Mast	1
18-4-2	811071	Flag Holder Base	1
18-4-3	811077	Bolt & Washer (M8x16)	1
18-5	811266	Owner's Manual Viper 40E	1
18-6	610009	Blank Key (Left Cut)	1
18-7	810009	Blank Key (RH Cut)	1
NP	200033	Viper 40E Parts Manual	1
NP	200041	40CC Service Manual	1
NP	200116	Viper 40E Digital Reference CD	1

