



ETON America

PARTS CATALOG

Viper 50M ini

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 50M ini



Figure No.	Content Reference
01	Top End, Crankshaft & Piston
02	Cooling Fan & Engine Shroud
03	Air Filter
04	Carburetor
05	Crankcase, Case Cover & Oil Pump
06	Transmission
07	Kick Starter & Starter Clutch
08	(C.V.T.) Driven Pulley
09	Engine
10	A/C Generator & Starter Motor
11	Exhaust Muffler (Type-SA)
12	Frame
13	Front Bumper, A-Arms & Footrest Bar
14	Body Covers, Trim & Seat
15	Fuel Tank & Oil Tank
16	Front & Rear Suspension
17	Front & Rear Wheels & Tires
18	Rear Disc Brakes
19	Handle Bar, Levers & Cables
21	Rear Drive Axle & Drive Chain
22	Swing Arm & Skid Plates
23	Steering Shaft, Connecting Rods & Knuckles
24	Electrical Systems
25	Accessories

01. Top End, Crankshaft & Piston

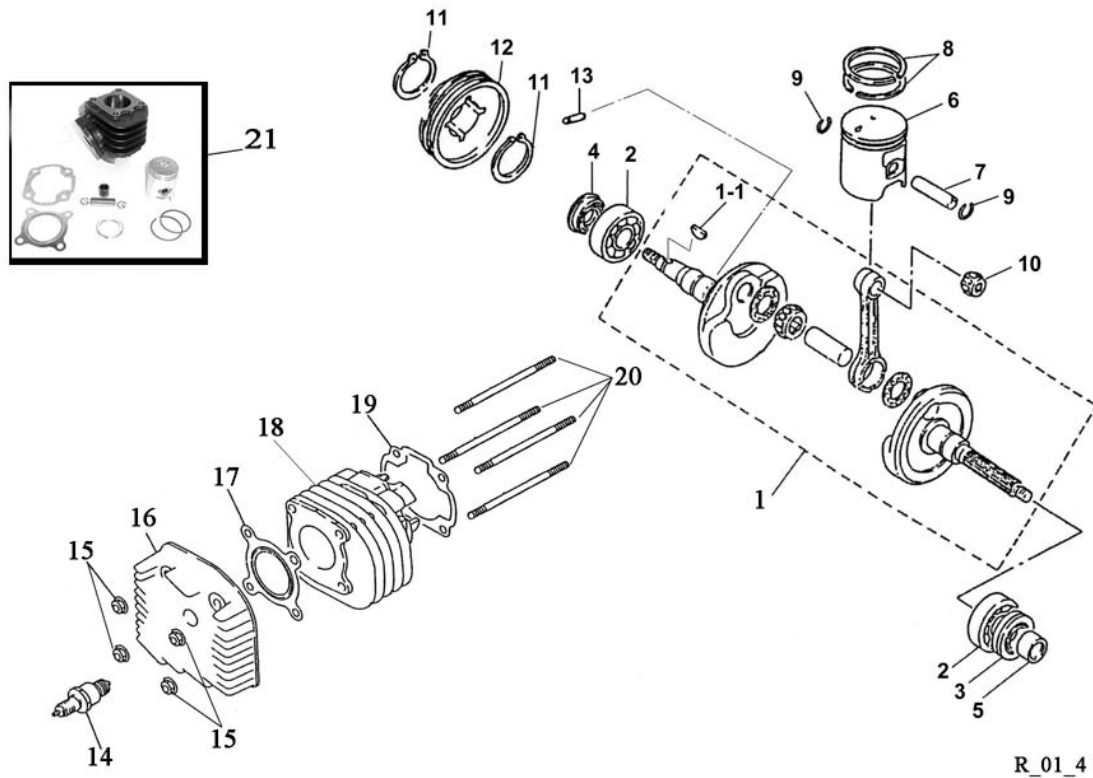


Fig Ref	Item No.	Description	Qty Req
1-1	650109	Crankshaft 50cc	1
1-1-1	650110	Woodruff Key	1
1-2	650111	Radial Ball Bearing	2
1-3	650112	Oil Seal LH	1
1-4	650113	Oil Seal RH	1
1-5	650114	Collar (M15x20x12)	1
1-6	650115	Piston 50cc	1
1-7	650116	Piston Wrist Pin	1
1-8	650117	Piston Ring (Set of 2)	1
1-9	650118	Circle-Clip (Pair)	2
1-10	650119	Connecting Rod Bearing	1
1-11	650138	Circle-Clip	2
1-12	650136	Pump Drive Gear	1
1-13	650137	Dowel Pin	1
1-14	650103	Spark Plug NGK (BPR7HS)	1
1-15	650107	Flange Nut (M7x15)	4
1-16	650101	Cylinder Head 50cc	1
1-17	650102	Cylinder Head Gasket 50cc	1
1-18	650104	Cylinder 50cc	1
1-19	650105	Cylinder Base Gasket	1
1-20	750281	Stud Bolt (M5x110)	4
1-21	810789	50cc Top End Kit	1

02. Cooling Fan & Engine Shroud

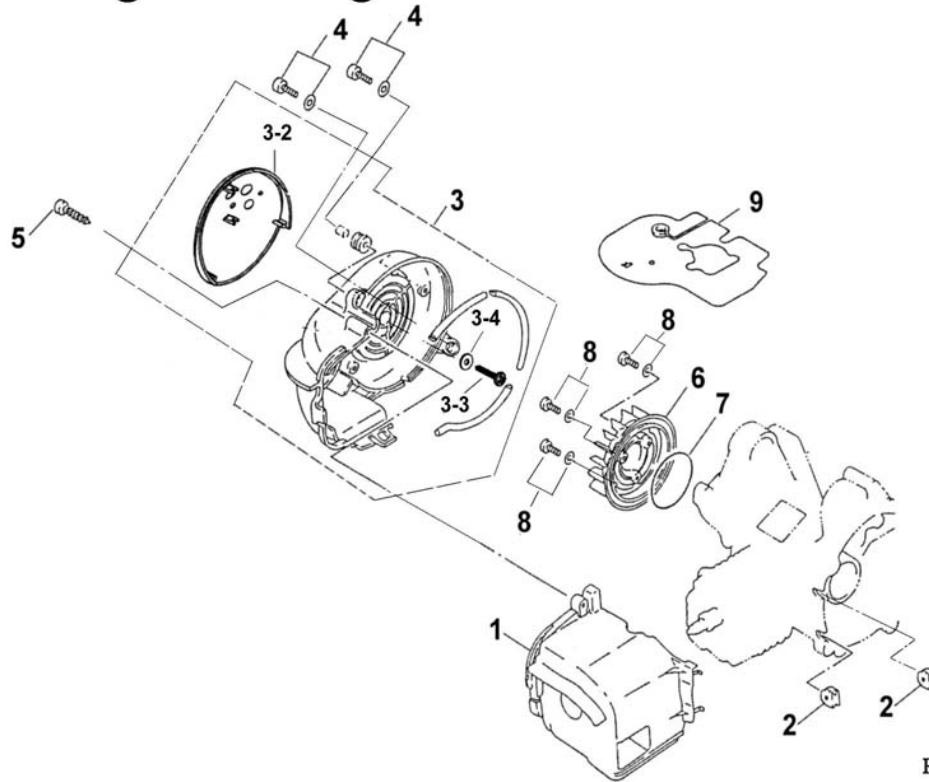
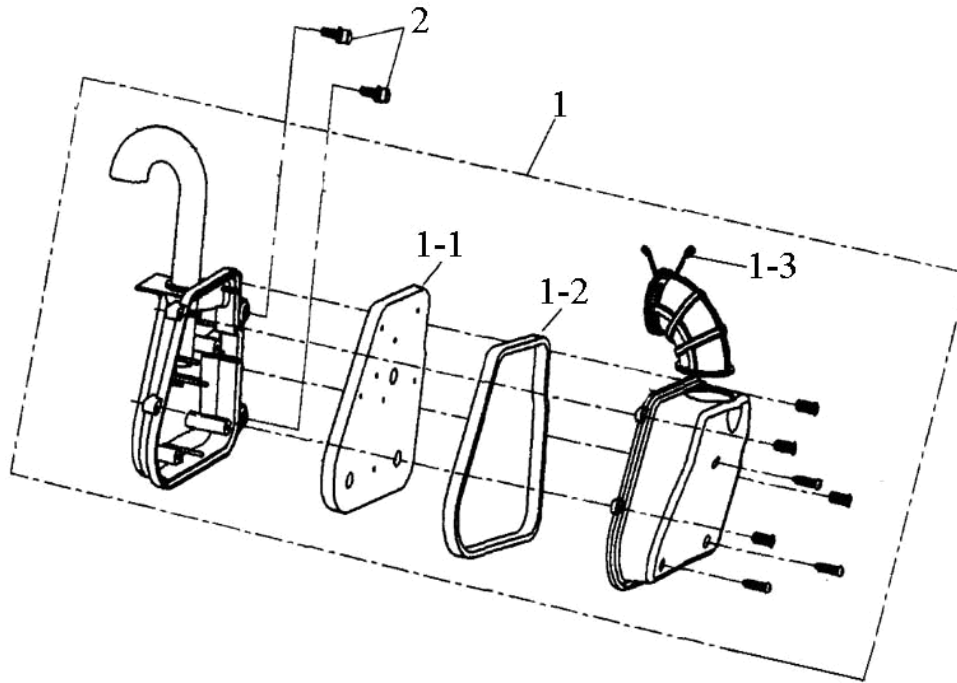


Fig Ref	Item No.	Description	Qty Req
2-1	650120	Engine Shroud	1
2-2	650121	Rubber Mount Block	2
2-3	650122	Fan Cover (Black)	1
2-3-2	810532	Fan Cover Plate (Black)	1
2-3-3	650131	Self Taping Screw (M5x16)	1
2-3-4	650132	Flat Washer (M5x18x1)	1
2-4	650123	Pan Head Bolt & Washer (M6x20)	2
2-5	811080	Self Taping Screw (M6x40)	1
2-6	650125	Fan	1
2-7	650126	O-Ring	1
2-8	650127	Pan Head Bolt & Washer (M6x16)	3
2-9	650128	Deflector	1

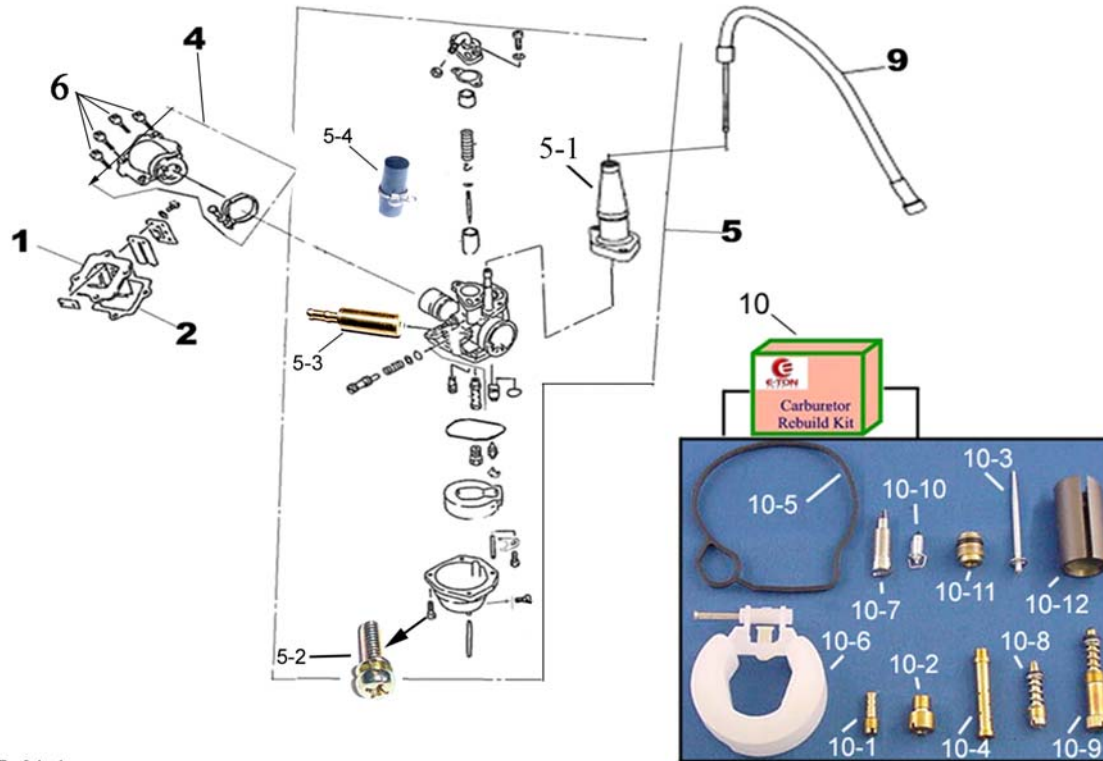
03. Air Filter



R_03_4

Fig Ref	Item No.	Description	Qty Req
3-1	650144	Air Cleaner Assembly	1
3-1-1	650145	Air Cleaner Element	1
3-1-2	650146	Seal	1
3-1-3	610190	Tube Clip	1
3-2	700359	Socket Bolt & Washer (M6x20)	2

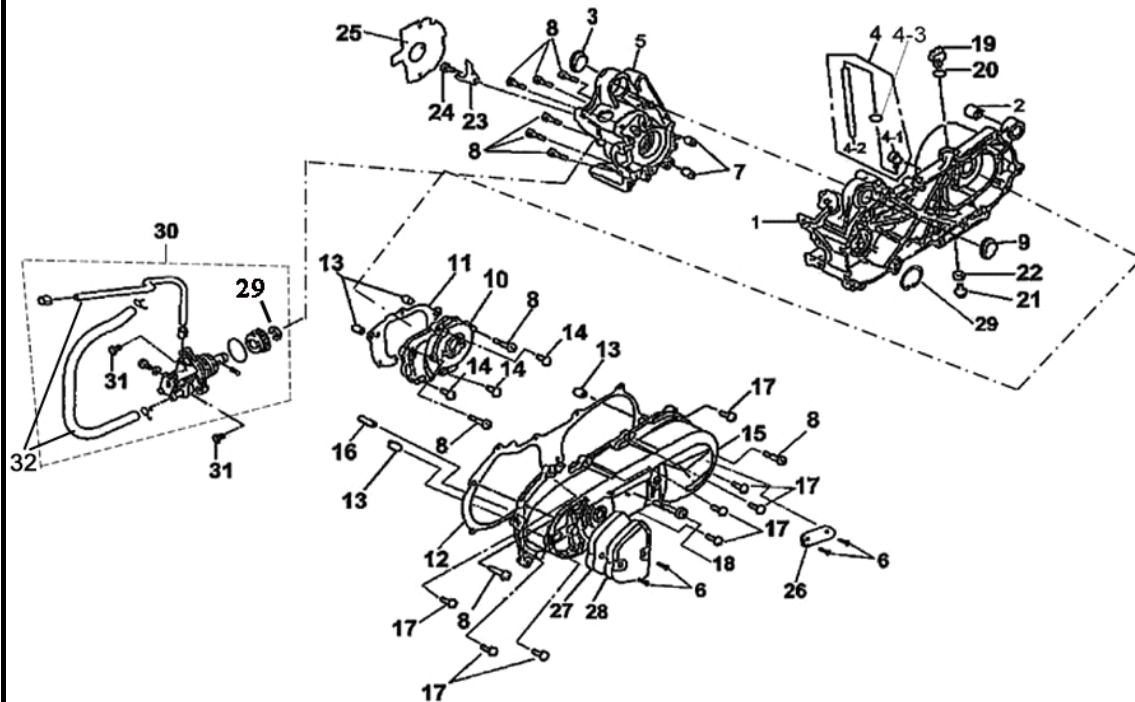
04. Carburetor



R_04_4

Fig Ref	Item No.	Description	Qty Req
4-1	650140	Reed Valve	1
4-2	650141	Reed Valve Gasket	1
4-4	650142	Intake Manifold	1
4-5	610200	Carburetor (Manual Choke 50cc)	1
4-5-1	610197	Manual Choke 50/70/90cc	1
4-5-2	650987	Carburetor Bowl Bolt	4
4-5-3	650012	Oil Check Valve	1
4-5-4	651011	Intake Cap	1
4-6	650143	Flange Bolt (M6x20)	4
4-9	610198	Manual Choke Cable	1
4-10	811124	Carburetor Kit (50cc)	1
10-1	811089	Pilot Jet #20	1
10-2	810409	Main Jet #85	1
10-3	610402	Jet Needle (*3CR1) 50cc	1
10-4	811125	Needle Jet (*426 E-1)	1
10-5	610405	Bowl Gasket	1
10-6	610406	Carburetor Float	1
10-7	610407	Carburetor Bowl Drain Bolt	1
10-8	812390	Air Adjustment Screw	1
10-9	812399	Throttle Adjustment Screw	1
10-10	610404	Float Valve Needle	1
10-11	812401	Needle Valve Seat	1
10-12	812402	Throttle Valve	1
04-NP	810410	Main Jet #80	1
04-NP	811092	Main Jet #88	1
04-NP	810408	Main Jet #90	1

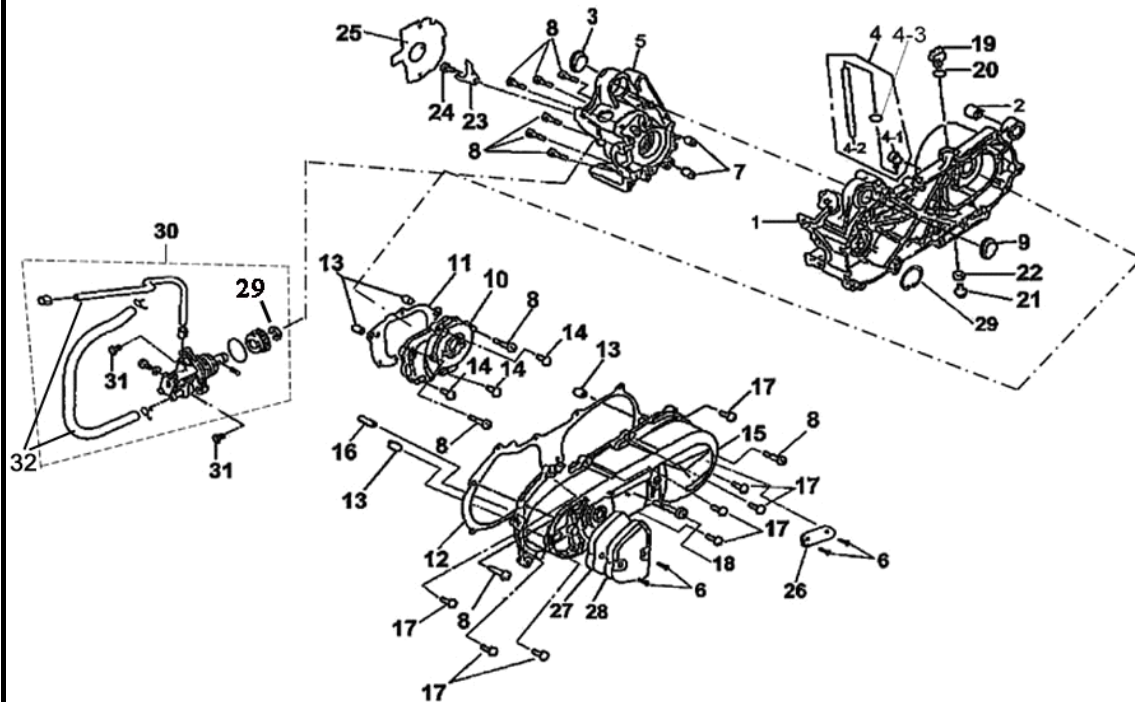
05. Crankcase, Case Cover & Oil Pump



R7_05_4

Fig Ref	Item No.	Description	Qty Req
5-1	650149	Crankcase (LH-50cc)	1
5-2	650150	Rear Shock Absorber Bushing	1
5-3	650139	Rubber Plug	1
5-4	650151	Breather Hose	1
5-4-1	650991	Breather Joint	1
5-4-2	650992	Breather Hose	1
5-5	650152	Crankcase (RH-50cc)	1
5-6	650174	Pan Head Bolt (M5x7)	4
5-7	650153	Dowel Pin (10x14)	2
5-8	650154	Pan Head Bolt (M6x35)	4
5-9	650139	Rubber Plug	1
5-10	650155	Transmission Cover	1
5-11	650156	Transmission Cover Gasket	1
5-12	650157	Crankcase Cover Gasket (LH)	1
5-13	650158	Dowel Pin (M10x14)	4
5-14	650159	Pan Head Bolt (M6x20)	3
5-15	650160	Crankcase Cover (LH)	1
5-16	650161	Dowl Pin (8x31)	1
5-17	650163	Pan Head Bolt (M6x25)	8
5-18	650164	Pan Head Bolt (M6x65)	1
5-19	650165	Oil Filler Plug	1
5-20	650166	Oil Filler Plug O-Ring (13.8x2)	1
5-21	650167	Flange Bolt (M8x16)	1
5-22	650168	Flat Washer (M7x12x1)	1
5-23	650169	Retainer Plate	1
5-24	650170	Pan Head Bolt (M6x12)	1

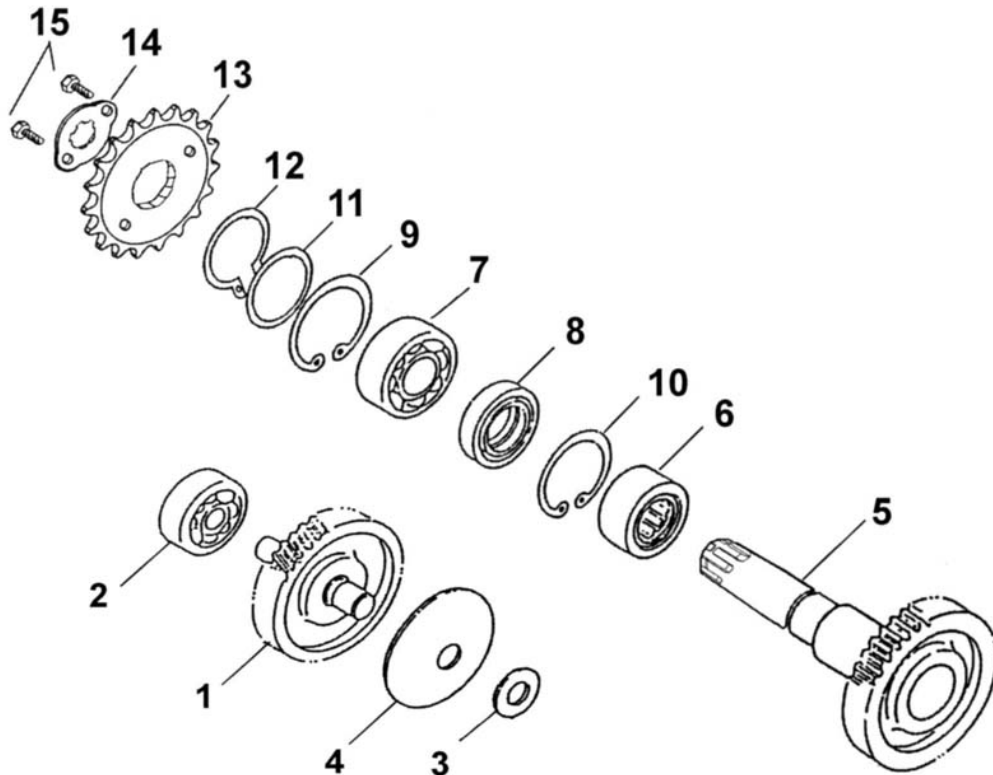
05. Crankcase, Case Cover & Oil Pump



R7_05_4

Fig Ref	Item No.	Description	Qty Req
5-25	650171	Crankcase Cover Gasket (RH)	1
5-26	650175	Inspection Hole Cover Plate	1
5-27	650172	C.V.T. Filter Element	1
5-28	650173	C.V.T. Filter Cover	1
5-29	650220	Circle-Clip (45.5x17.5)	1
5-30	650134	Oil Pump (50cc)	1
5-31	650135	Pan Head Bolt (M5x14)	2
5-32	811310	Clear_line Oil Pump Lines	1

06. Transmission



R_06_4

Fig Ref	Item No.	Description	Qty Req
6-1	650212	Counter Shaft	1
6-2	650213	Radial Ball Bearing	1
6-3	650214	Flat Washer (M11x21x1)	1
6-4	650215	Conical Washer (M11x60x1)	1
6-5	650216	Final Drive Shaft	1
6-6	650217	Needle Bearing	1
6-7	650218	Bearing (6004LLUA)	1
6-8	650219	Oil Seal (25x35x6)	1
6-9	650220	Circle-Clip (45.5x17.5)	1
6-10	650221	Circle-Clip (34.4x1.2)	1
6-11	650222	Flat Washer (M20x25x1)	1
6-12	650223	Circle-Clip #20	1
6-13	650224	Drive Chain Sprocket (420x19T)	1
6-14	650225	Sprocket Plate	1
6-15	650226	Bolt (M6x10)	2

07. Kick Starter & Starter Clutch

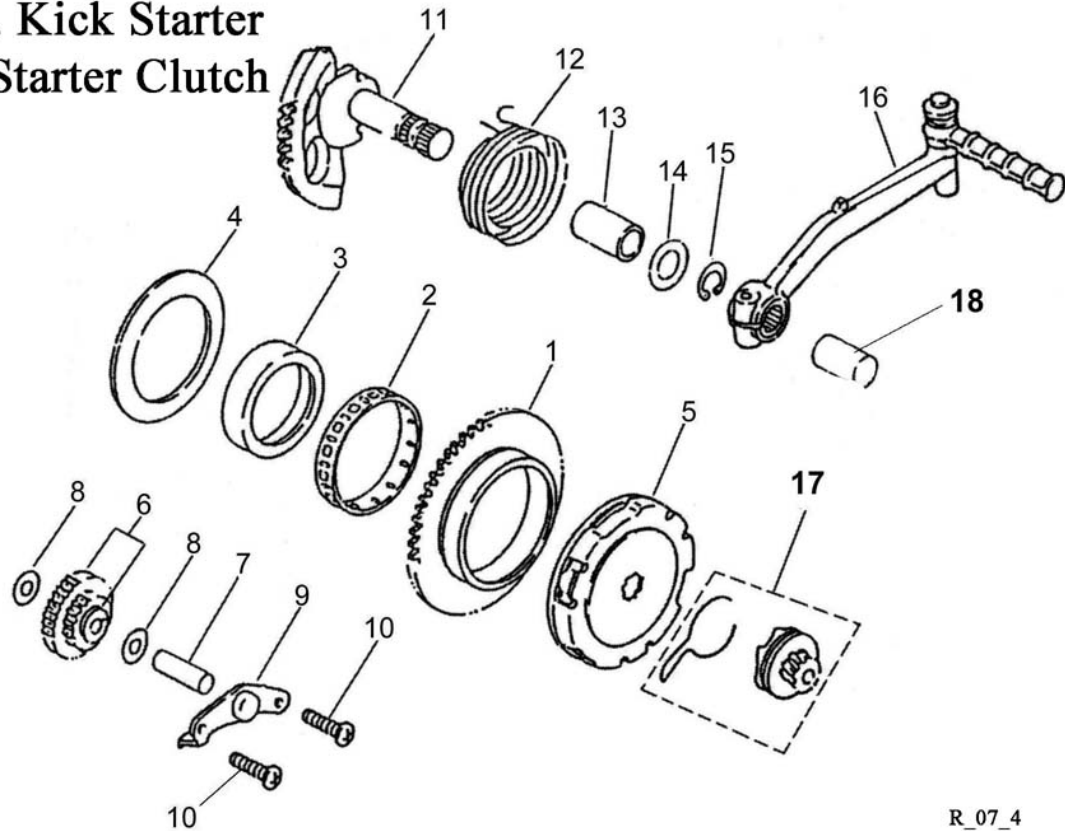
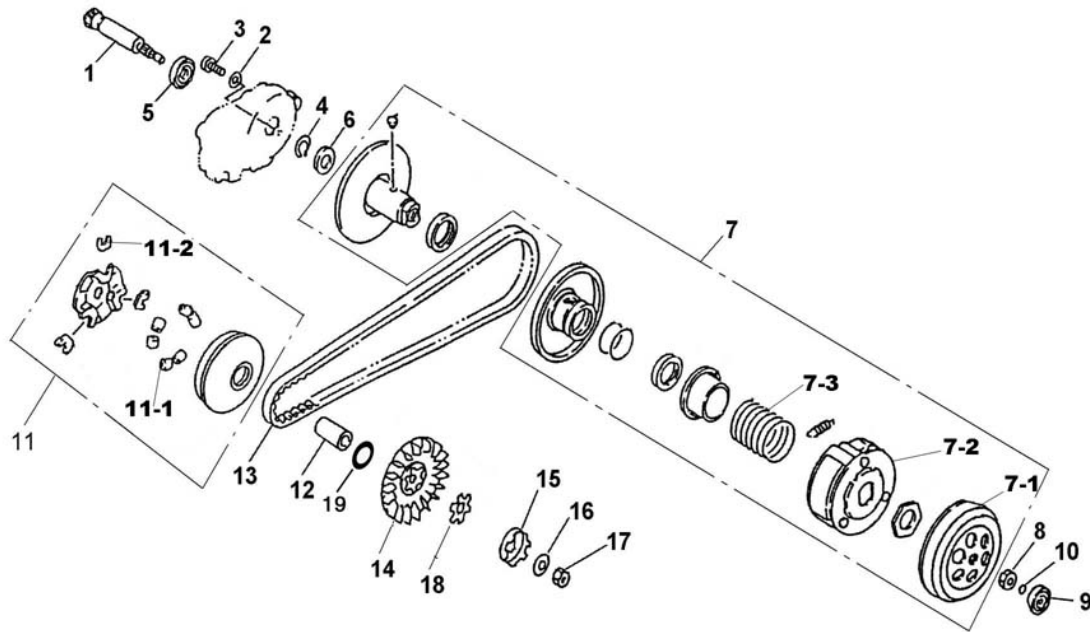


Fig Ref	Item No.	Description	Qty Req
7-1	650177	Starter Wheel Gear	1
7-2	650178	Needle Bearing	1
7-3	650179	Boss Gear	1
7-4	650180	Flat Washer (M56x75x1)	1
7-5	650181	Starter Clutch	1
7-6	650182	Starter Motor Reduction Gear	1
7-7	650183	Reduction Gear Shaft	1
7-8	650184	Flat Washer (M7x15x1)	2
7-9	650185	Reduction Gear Retainer Plate	1
7-10	610201	Pan Head Bolt & Washer (M6x14)	2
7-11	650187	Kick Starter Spindle	1
7-12	650188	Torsion Spring	1
7-13	650189	Solid Bushing	1
7-14	650190	Flat Washer (M15x29x1)	1
7-15	650191	Circle-Clip	1
7-16	610136	Kick Starter Crank	1
7-17	650194	Kick Pinion Gear	1
7-18	651007	Kick Starter Shaft Rubber Cap	1

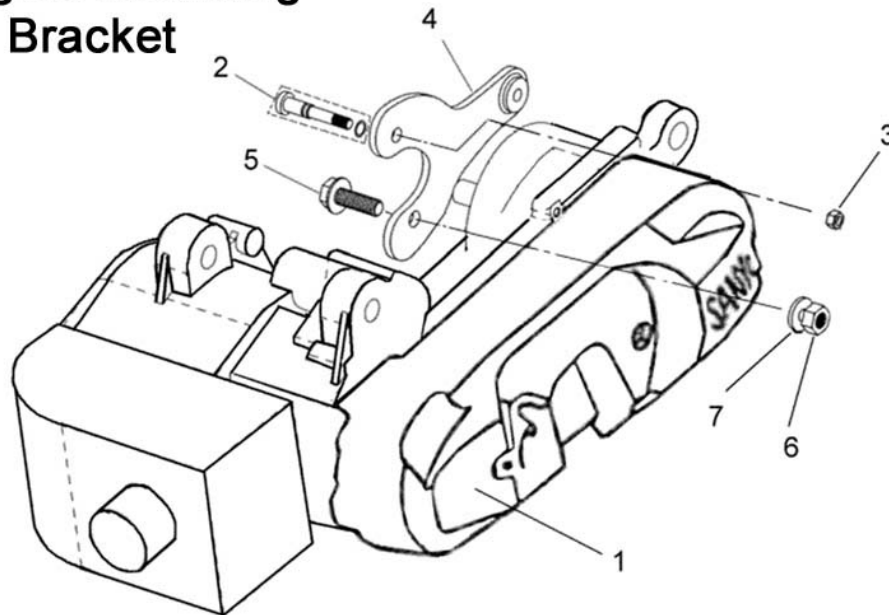
08. (C.V.T.) Driven Pulley



R_08_4

Fig Ref	Item No.	Description	Qty Req
8-1	650195	Primary Drive Gear	1
8-2	811082	Flat Washer (M5x18x1)	1
8-3	650197	Pan Head Bolt (M6x10)	1
8-4	650198	Circle-Clip	1
8-5	650199	Radial Ball Bearing 6003	1
8-6	650200	Oil Seal (17x28x5.5)	1
8-7	650201	Secondary Drive Pulley	1
8-7-1	811531	Drive Clutch Drum	1
8-7-2	811528	Drive Clutch Assembly	1
8-7-3	811529	Drive Face Spring	1
8-8	650202	Flange Nut (M10x22)	1
8-9	650203	Radial Ball Bearing	1
8-10	650204	O-Ring	1
8-11	650205	Drive Clutch Sliding Face	1
8-11-1	811526	Clutch Rollers 6.5g (Set 6)	1
8-11-2	811527	Slide Retainer Clips (Set 3)	1
8-12	650206	Collar (M12x19x38)	1
8-13	650207	V-Belt	1
8-14	650208	Drive Clutch Fixed Face	1
8-15	650209	Kick Starter Ratchet	1
8-16	650210	Conical Washer (M10x22)	1
8-17	650211	Hex Nut (M10x16x1.25)	1
8-18	811126	Drive Face Washer	1
8-19	811127	Flat Washer (M12x16x1)	1

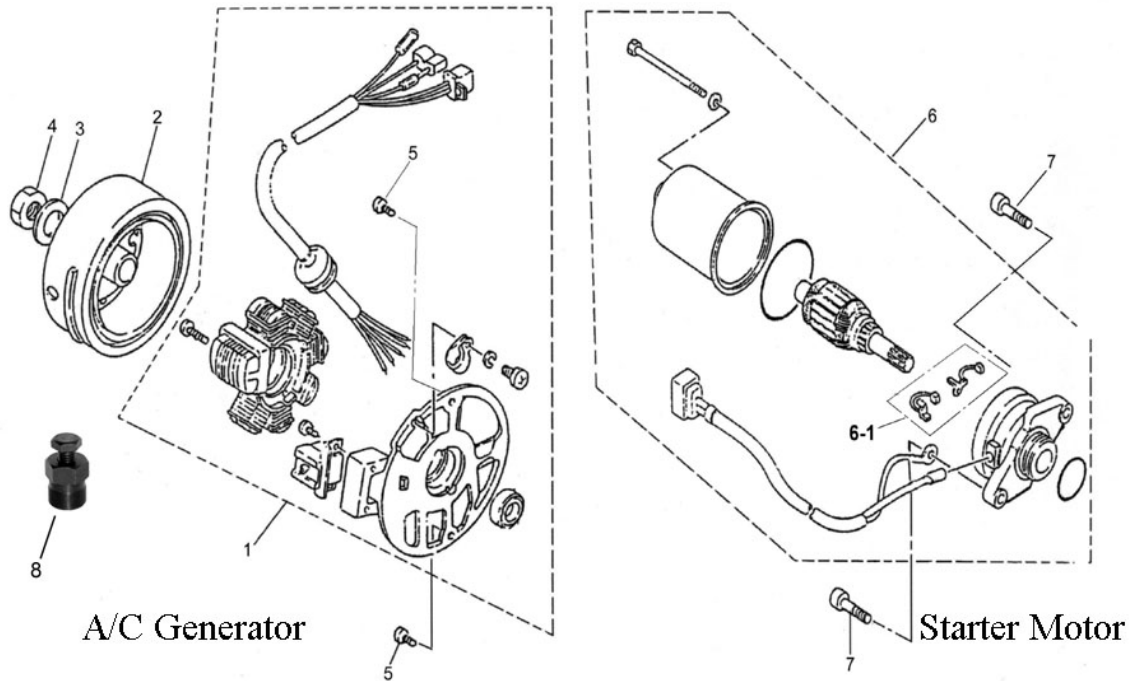
09. Engine & Engine Mounting Bracket



R_09_4

Fig Ref	Item No.	Description	Qty Req
9-1	810416	Engine 50cc	1
9-2	650227	Pivot Pin (M8x55)	1
9-3	650228	Locking Flange Nut (M6x18)	1
9-4	650229	Engine Bracket	1
9-5	650230	Flange Bolt (M12 X 38)	1
9-6	650231	Nut (M12x20)	1
9-7	650232	Flat Washer (M11x18x1)	1

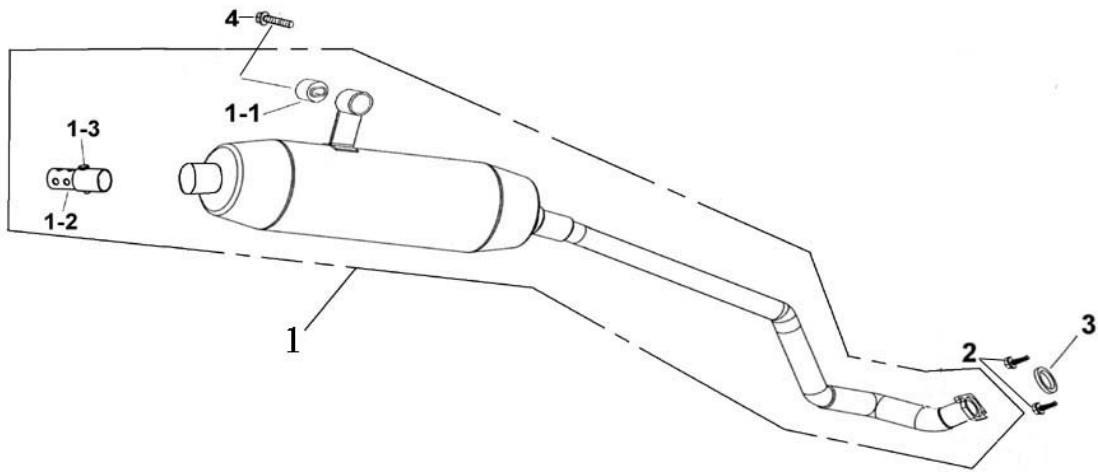
10. A/C Generator & Starter Motor



R_10_4

Fig Ref	Item No.	Description	Qty Req
10-1	650234	AC Generator	1
10-2	650235	Flywheel	1
10-3	811129	Flat Washer (M10x16x2)	1
10-4	650211	Hex Nut (M10x16x1.25)	1
10-5	650238	Pan Head Bolt (M6x16)	2
10-6	650239	Starter Motor	1
10-6-1	811130	Commutator Brushes (Pair)	1
10-7	650240	Flange Bolt (M6x20)	2
10-8	650660	Fly Wheel Puller Tool	1

11. Exhaust Muffler (Type - SA)



R_11_4

Fig Ref	Item No.	Description	Qty Req
11-1	811121	Exhaust Muffler Type (SA)	1
11-1-1	811009	Muffler Hanger Bushing	1
11-1-2	811008	Spark Arrestor Screen	1
11-1-3	811012	Spark Arrestor Bolt (M5x35)	1
11-2	650242	Flange Bolt (M6x18)	2
11-3	650243	Exhaust Muffler Gasket	1
11-4	650287	Flange Bolt (M10x48)	1

12. Frame

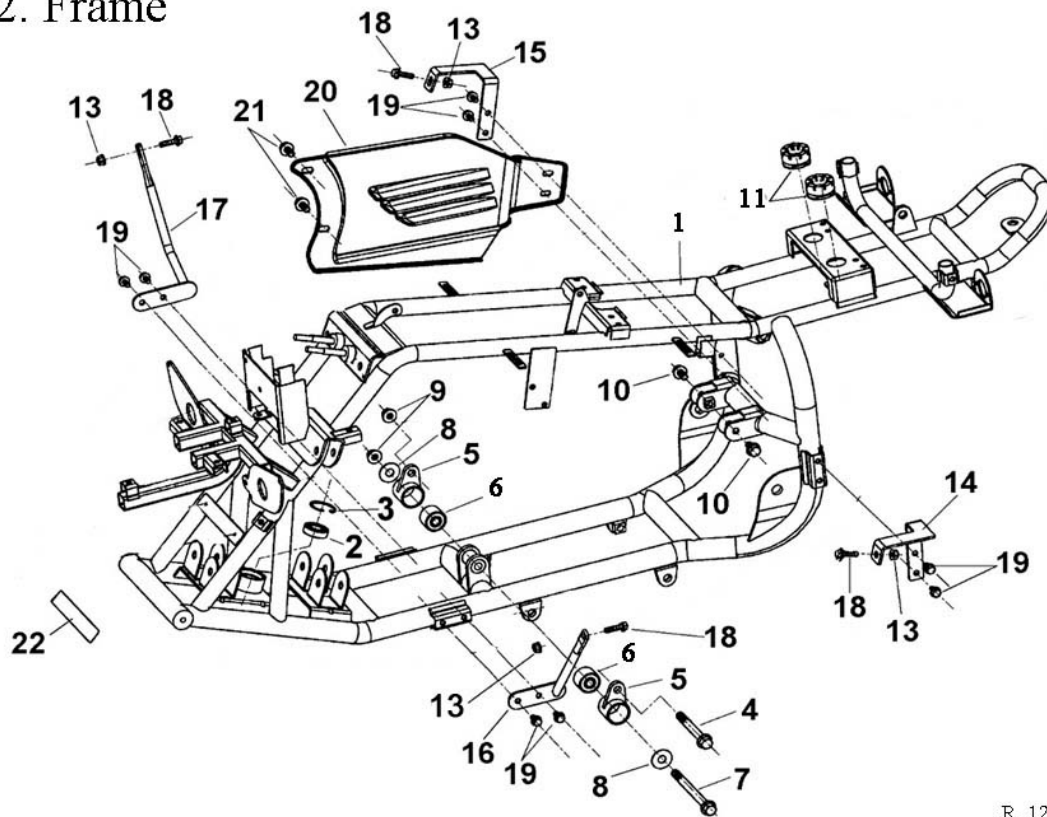
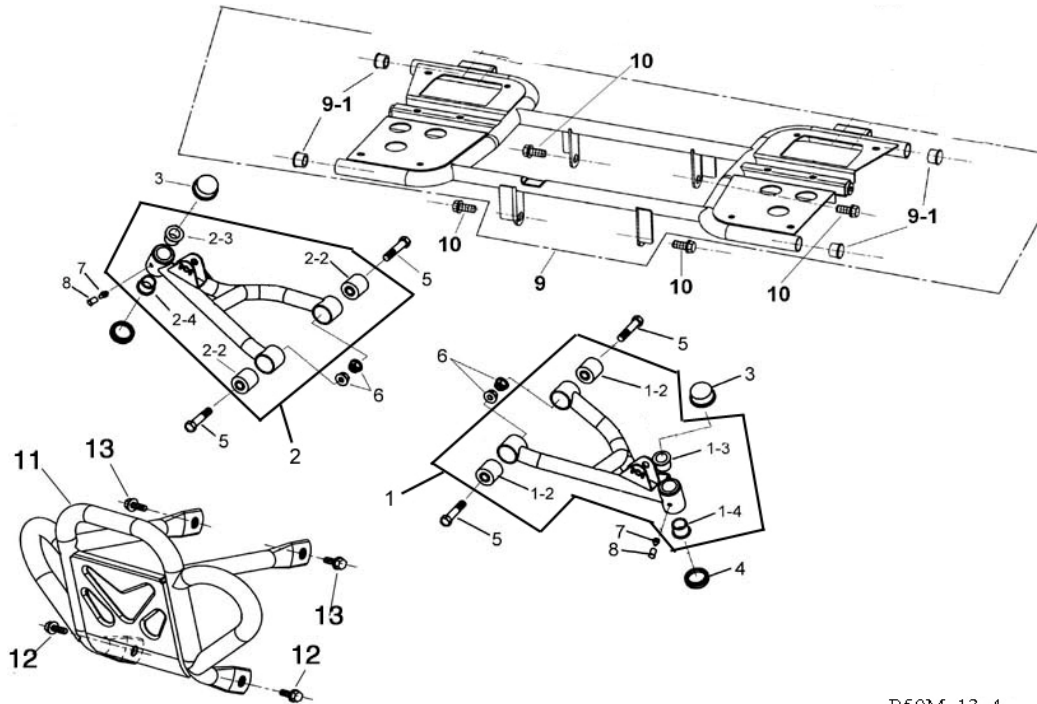


Fig Ref	Item No.	Description	Qty Req
12-1	610041	Viper Frame	1
12-2	650967	Bearing (6002ZZ)	1
12-3	650248	Circle-Clip	1
12-4	650251	Engine Set Bolt (M10 X 85)	1
12-5	650252	Engine Suspension Bracket	2
12-6	650253	Bushing	2
12-7	650254	Engine Set Bolt (M10 X 115)	1
12-8	650265	Flat Washer (M11x28x1)	2
12-9	700320	Locking Flange Nut (M10)	2
12-10	650256	Flange Bolt (M8 X 36)	2
12-11	650250	Rubber Damper (37 X 13 X 23)	2
12-12	800504	Locking Flange Nut (M6x11)	4
12-13	610042	Rear Fender Bracket (LH)	1
12-14	610043	Rear Fender Bracket (RH)	1
12-15	610044	Front Fender Bracket (LH)	1
12-16	610045	Front Fender Bracket (RH)	1
12-17	650307	Pan Head Bolt (M6 x 23)	4
12-18	650271	Flange Bolt (M6 X 12)	8
12-19	650993	Front Chain Cover	1
12-20	650294	Flange Bolt (M8 X 16)	2
12-21	650306	MFD Label	1

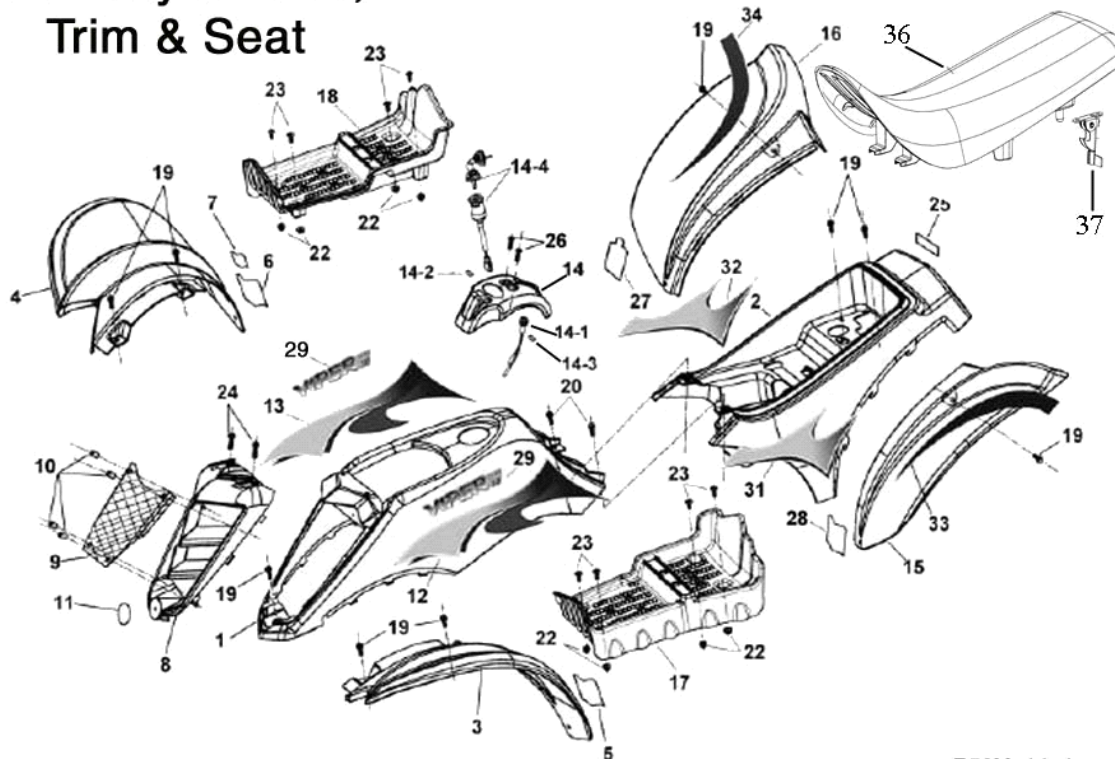
13. Front Bumper, A-Arms & Footrest Bar



R50M_13_4

Fig Ref	Item No.	Description	Qty Req
13-1	610046	A-Arm (LH) Silver	1
13-1-2	650253	Bushing	2
13-1-3	650282	Oil Containing Bushing (015.5)	1
13-1-4	650283	Oil Containing Bushing (17)	1
13-2	610047	A-Arm (RH) Silver	1
13-2-2	650253	Bushing	2
13-2-3	650282	Oil Containing Bushing (015.5)	1
13-2-4	650283	Oil Containing Bushing (17)	1
13-3	650285	Dust Cover	2
13-4	650286	Dust Seal	2
13-5	650287	Flange Bolt (M10x48)	4
13-6	650255	Locking Flange Nut (M10x19)	4
13-7	650289	Grease Zerk	2
13-8	650290	Grease Zerk Cap	2
13-9	811051	Footrest Support	1
13-9-1	610066	Rubber Plug	4
13-10	650244	Flange Bolt (M10x22)	4
13-11	811172	Front Bumper	1
13-12	650294	Flange Bolt (M8 X 16)	2
13-13	650271	Flange Bolt (M6 X 12)	2

14. Body Covers, Trim & Seat



R50M_14_4

Fig Ref	Item No.	Description	Qty Req
14-1	610087	Front Body Cover (Blue)	1
14-1	990050	N/A - CPSIA Regulations	1
14-1	610086	Front Body Cover (Red)	1
14-1	610300	Front Body Cover (Black)	1
14-2	610095	Rear Body Cover (Blue)	1
14-2	990050	N/A - CPSIA Regulations	1
14-2	610094	Rear Body Cover (Red)	1
14-2	610301	Rear Body Cover (Black)	1
14-3	610081	Front Fender Panel (LH-Blue)	1
14-3	990050	N/A - CPSIA Regulations	1
14-3	610080	Front Fender Panel (LH-Red)	1
14-3	610302	Front Fender Panel (LH-Black)	1
14-4	610084	Front Fender Panel (RH-Blue)	1
14-4	990050	N/A - CPSIA Regulations	1
14-4	610083	Front Fender Panel (RH-Red)	1
14-4	610303	Front Fender Panel (RH-Black)	1
14-5	811100	Warning Label (Passengers)	1
14-6	811133	Warning Label (Y6)	1
14-6	812319	Warning Label (Y8)	1
14-7	811137	Remote Control Warning Label	1
14-8	610090	Front Grill Panel (Blue)	1
14-8	990050	N/A - CPSIA Regulations	1
14-8	610089	Front Grill Panel (Red)	1
14-8	610307	Front Grill Panel (Black)	1
14-9	610060	Front Grill Screen	1
14-10	610062	Grill Screen Fastener	4

14. Body Covers, Trim & Seat

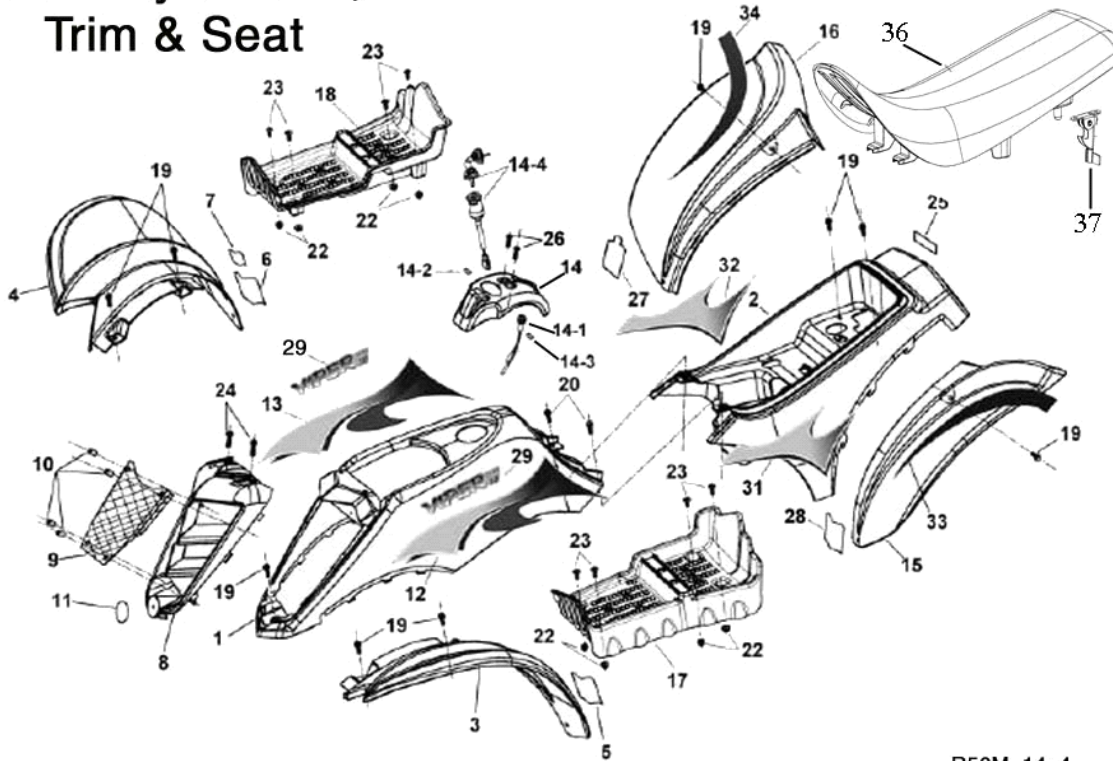


Fig Ref	Item No.	Description	Qty Req
14-11	750270	E-TON Logo Emblem (Silver)	1
14-12	610179	Viper Frnt Body Grph (Ylw/LH)	1
14-12	610180	Viper Frnt Body Grph (Red/LH)	1
14-13	610181	Viper Frnt Body Grph (Ylw/RH)	1
14-13	610182	Viper Frnt Body Grph (Red/RH)	1
14-14	610076	Handle Bar Cover (Blue)	1
14-14	990050	N/A - CPSIA Regulations	1
14-14	610075	Handle Bar Cover (Red)	1
14-14	610308	Handle Bar Cover (Black)	1
14-14-1	800542	Indicator light (Red)	1
14-14-2	610161	Oil Light Label	1
14-14-3	610012	Indicator Light Nut (M9x11)	1
14-14-4	650720	Ignition Key Switch (4wire)	1
14-15	610100	Rear Fender Panel (LH-Blue)	1
14-15	990050	N/A - CPSIA Regulations	1
14-15	610099	Rear Fender Panel (LH-Red)	1
14-15	610304	Rear Fender Panel (LH-Black)	1
14-16	610103	Rear Fender Panel (RH-Blue)	1
14-16	990050	N/A - CPSIA Regulations	1
14-16	610102	Rear Fender Panel (RH-Red)	1
14-16	610305	Rear Fender Panel (RH-Black)	1
14-17	811135	Footrest Cover (LH)	1
14-18	811136	Footrest Cover (RH)	1
14-19	650262	Bolt Washer & Nut (M6x18)	9
14-20	650901	Bolt & Washer (M6x20)	2
14-22	800504	Locking Flange Nut (M6x11)	8

14. Body Covers, Trim & Seat

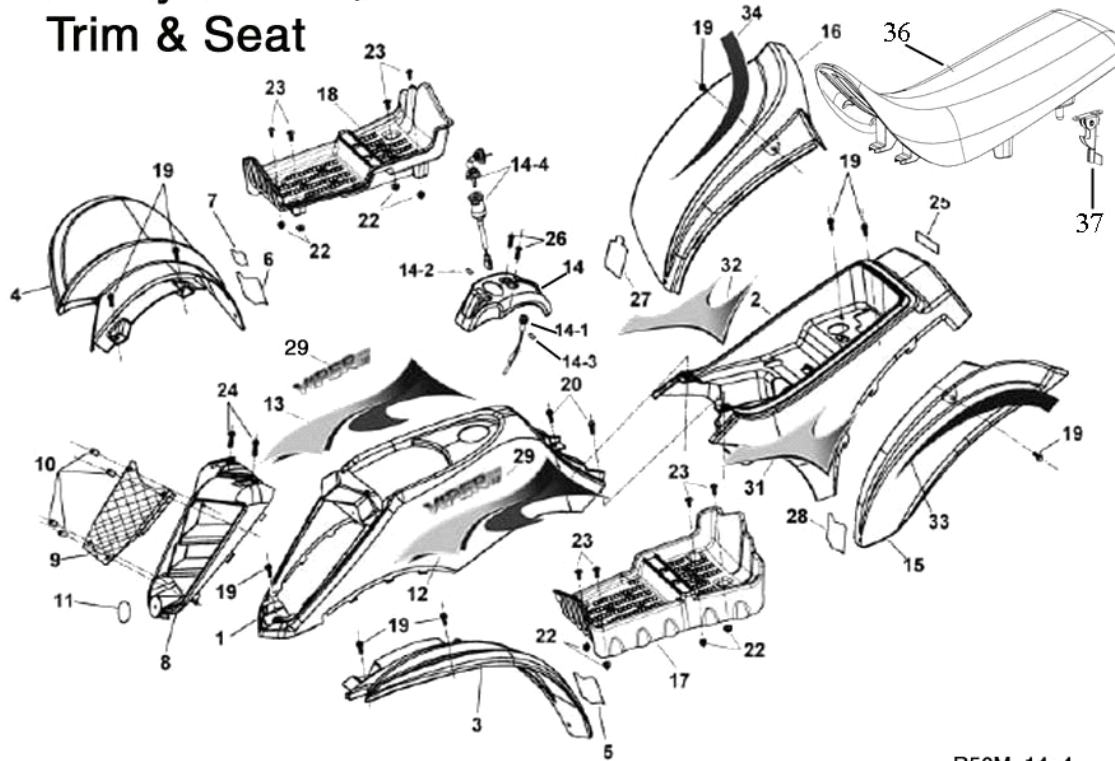


Fig Ref	Item No.	Description	Qty Req
14-23	650295	Flange Bolt (M6x16)	8
14-24	800374	Plastic Fastener	2
14-25	650994	Warning Label (Muffler)	1
14-26	650311	Pan Head Bolt (M6x12)	2
14-27	610104	Warning Label	1
14-28	811138	Warning Label (Passenger)	1
14-29	811139	Viper 50M Graphic	2
14-31	610185	Viper Rear Body Grph (Ylw/LH)	1
14-31	610186	Viper Rear Body Grph (Red/LH)	1
14-32	610187	Viper Rear Body Grph (Ylw/RH)	1
14-32	610188	Viper Rear Body Grph (Red/RH)	1
14-33	610183	Viper Rear Fender Graphic (LH)	1
14-34	610184	Viper Rear Fender Graphic (RH)	1
14-36	990050	N/A - CPSIA Regulations	1
14-36	610173	Viper Seat (Blk/Red)	1
14-37	610092	Seat Latch	1

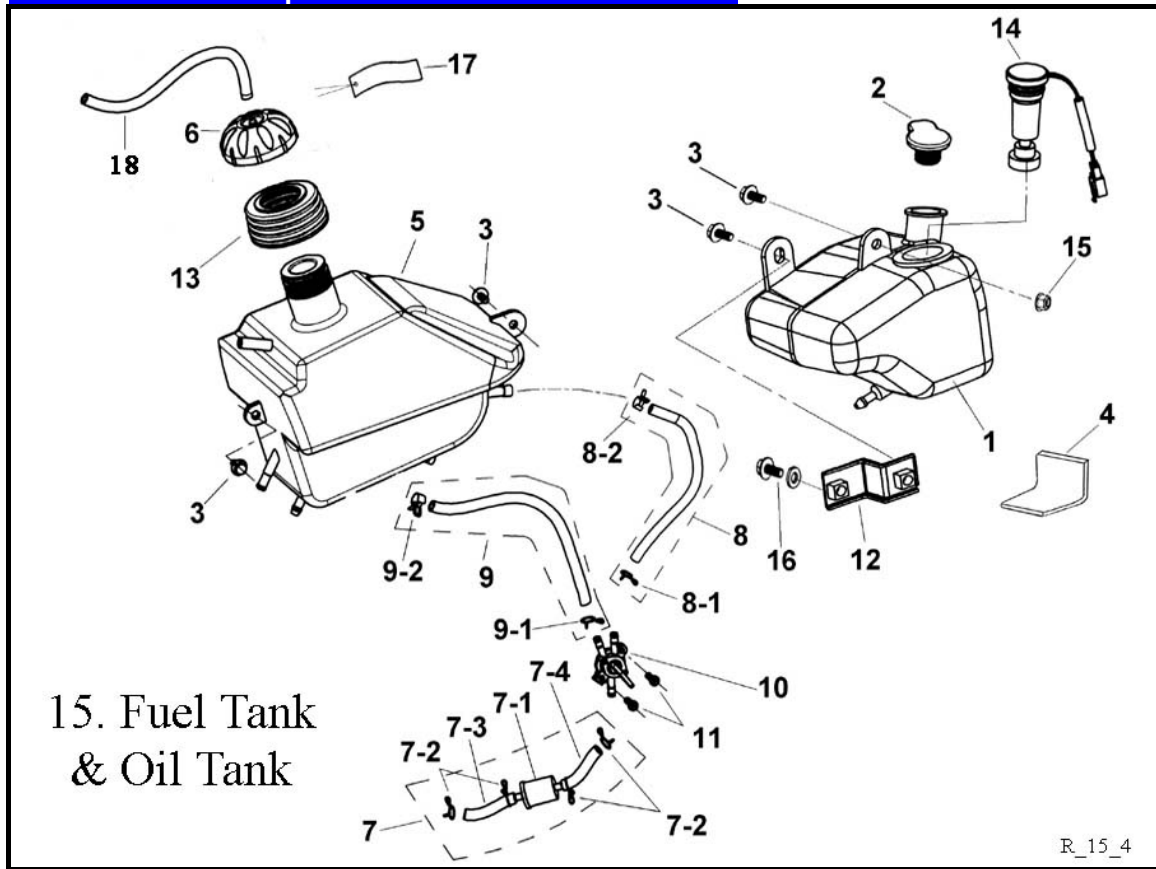


Fig Ref	Item No.	Description	Qty Req
15-1	811063	Oil Tank (PMX)	1
15-2	650323	Oil Tank Cap	1
15-3	650901	Bolt & Washer (M6x20)	4
15-4	811140	Oil Tank Pad	1
15-5	811005	Fuel Tank	1
15-6	650327	Fuel Tank Cap	1
15-7	650328	Fuel Filter & Lines	1
15-7-1	800002	Fuel Filter Element	1
15-7-3	610006	Fuel line - A	1
15-7-4	610007	Fuel Line - B	1
15-8	811006	Primary Fuel Line	1
15-8-1	610008	Fuel Line Clip - A	1
15-8-2	610011	Fuel Line Clip - B	1
15-9	811007	Reserve Fuel Line	1
15-9-1	610008	Fuel Line Clip - A	1
15-9-2	610011	Fuel Line Clip - B	1
15-10	650331	Fuel Petcock	1
15-11	650332	Pan Head Bolt (M5x16)	2
15-12	811003	Oil Tank Bracket	1
15-13	650862	Fuel Cap Neck Seal	1
15-14	610138	Oil Tank Sending Unit	1
15-15	750334	Nut (M6x10)	1
15-16	650453	Pan Head Bolt & Washer (M6x16)	1
15-17	811069	Premix Warning Tag	1
15-18	650853	Breather Tube	1

16. Front & Rear Suspension

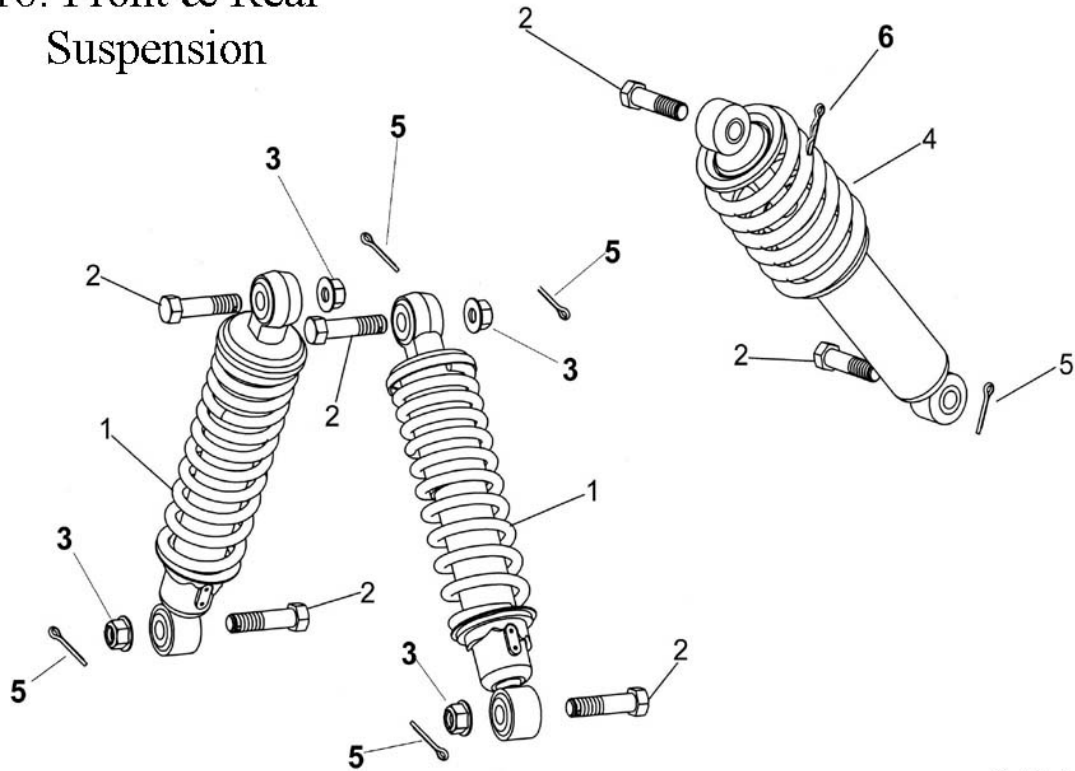


Fig Ref	Item No.	Description	Qty Req
16-1	610068	Front Shock Absorber (Silver)	2
16-2	650997	Pin Hole Bolt (M10 X 40)	6
16-3	750375	Locking Flange Nut (M10x19)	1
16-4	700240	Rear Shock Absorber	1
16-5	650339	Cotter Pin (1/8 x 1)	5
16-6	750318	Hair Pin Cotter	1

17. Front & Rear Wheels & Tires

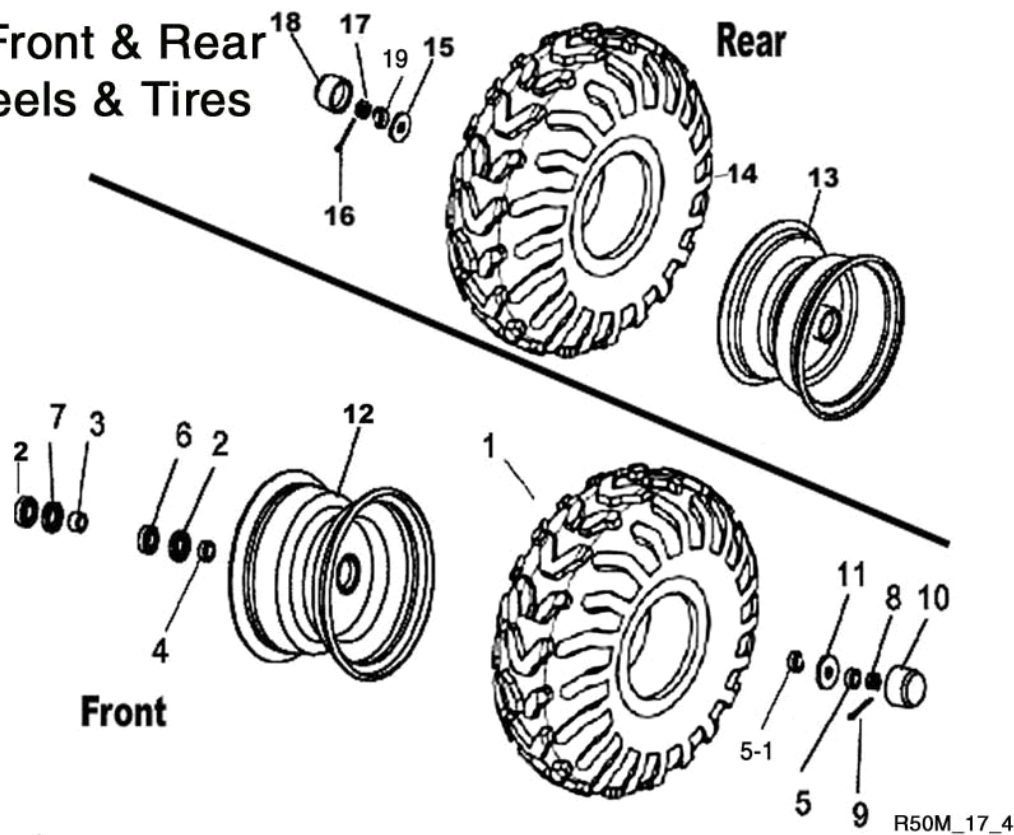


Fig Ref	Item No.	Description	Qty Req
17-1	811141	Tire (145mm x 7-6)	2
17-2	650345	Oil Seal (22x35x7)	4
17-3	650346	Inner Spacer (15x21.7X15)	2
17-4	700209	Outer Spacer (O17.O21.7x17	2
17-5	610139	Flat Washer (M12x20x2)	2
17-5-1	650347	Outer Spacer (15x21.7x10)	2
17-6	650999	Bearing (6002LU)	2
17-7	750385	Bearing (6003LU)	2
17-8	650350	Castle Nut (M12x16)	2
17-9	811084	Cotter Pin	2
17-10	650353	Rubber Hub Cap	2
17-11	650354	Flat Washer (M10x40x4)	2
17-12	700205	Wheel Rim (Front)	2
17-13	811142	Wheel Rim	2
17-14	811141	Tire (145mm x 7-6)	2
17-15	650368	Flat Washer (M14x40x5))	2
17-16	811084	Cotter Pin	2
17-17	650362	Castle Nut (M14x19)	2
17-18	650353	Rubber Hub Cap	2
17-19	650363	Flat Washer (M15x24x5)	2

18. Rear Disc Brake

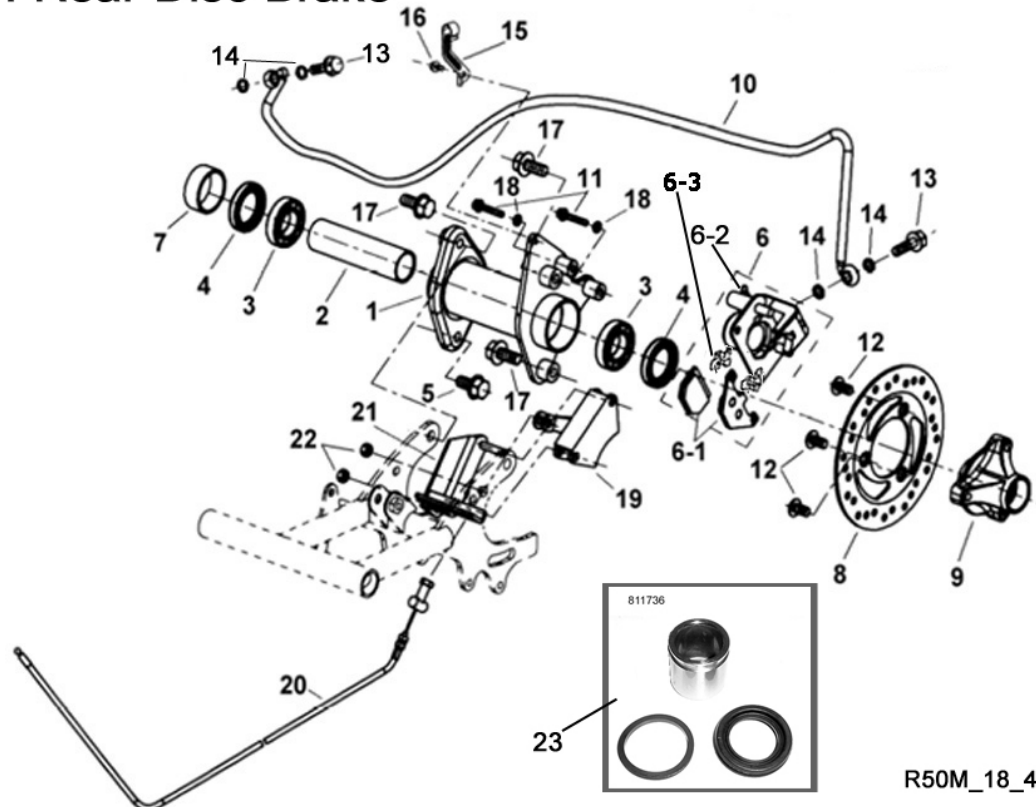
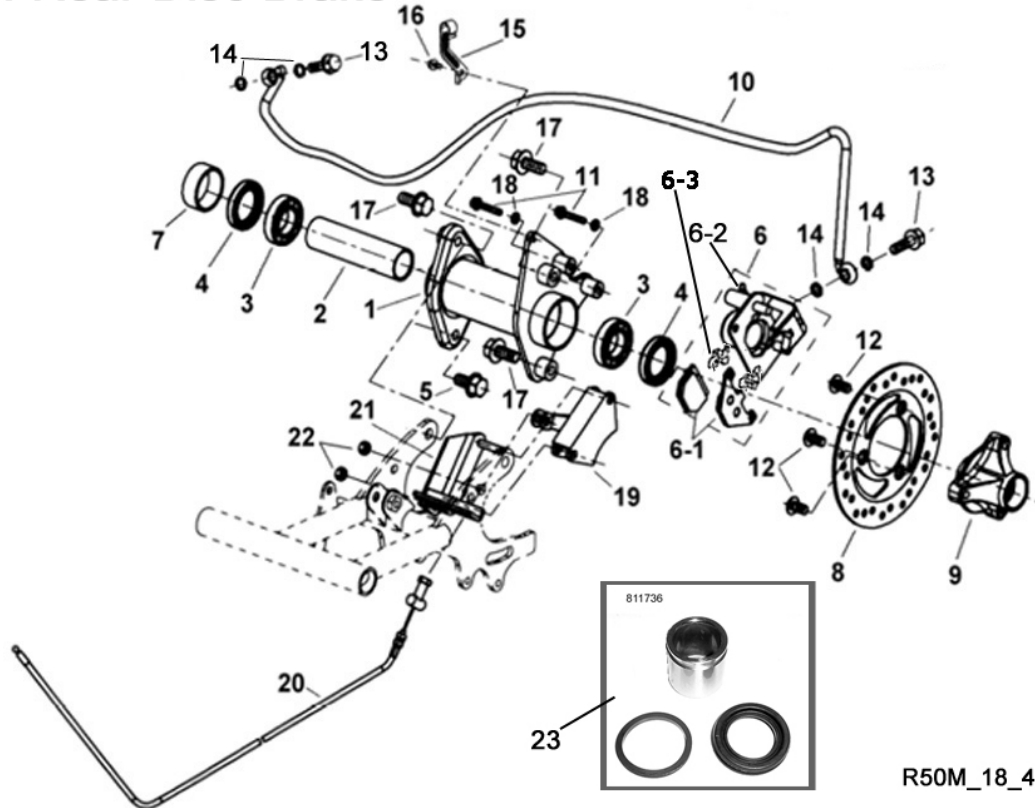


Fig Ref	Item No.	Description	Qty Req
18-1	610141	Rear Axle Bearing Seat	1
18-2	650385	Inner Axle Spacer	1
18-3	650386	Bearing (6006ZZ)	2
18-4	650811	Oil Seal (42x55x8)	2
18-5	650395	Flange Bolt (M12 X 25)	1
18-6	610142	Rear Disc Brake Caliper	1
18-6-1	812805	Disc Brake Pads (Standard)	1
18-6-1	610143	Disc Brake Pads (Heavy Duty)	1
18-6-2	610010	Bleeder Valve & Cap	1
18-6-3	811466	Caliper Retainer Clip	1
18-7	650976	Collar	1
18-8	610144	Rear Brake Rotor	1
18-9	610145	Brake Rotor Mount	1
18-10	811143	Rear Hydraulic Brake Line	1
18-11	650927	Flange Bolt (M8x35)	2
18-12	750292	Allen Head Bolt (M10x20)	3
18-13	750314	Brake Hose Union Bolt M10x21	2
18-14	750309	Flat Washer (M10x12x1)	4
18-15	610148	Brake Line Clip	1
18-16	650271	Flange Bolt (M6 X 12)	1
18-17	650396	Flange Bolt (M12 X 28)	3
18-18	650424	Spring Washer (M8x14x2)	2
18-19	811144	Parking Brake Caliper	1
18-20	811145	Parking Brake Cable	1
18-21	811146	Brake Caliper Mount Bracket	1
18-22	650228	Locking Flange Nut (M6x18)	2

18. Rear Disc Brake



R50M_18_4

Fig Ref	Item No.	Description	Qty Req
18-23	811736	Brake Caliper Service Kit	1

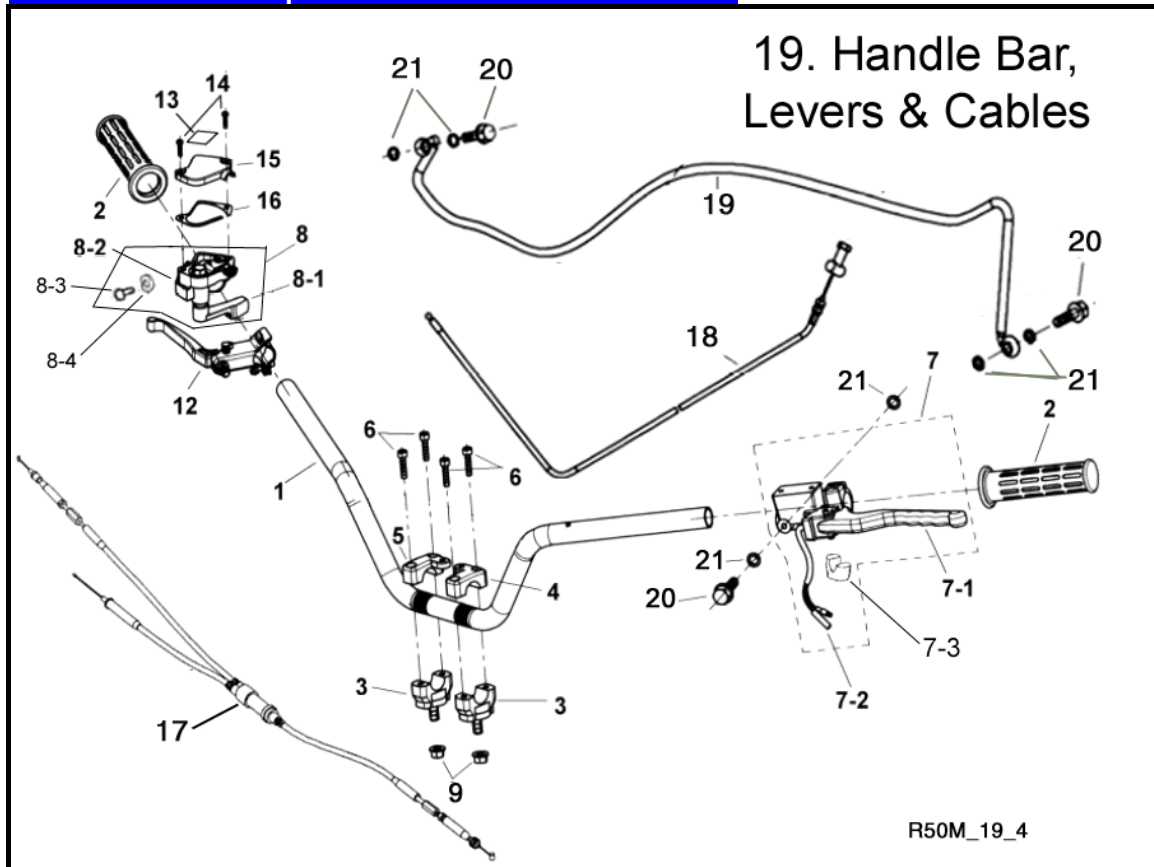
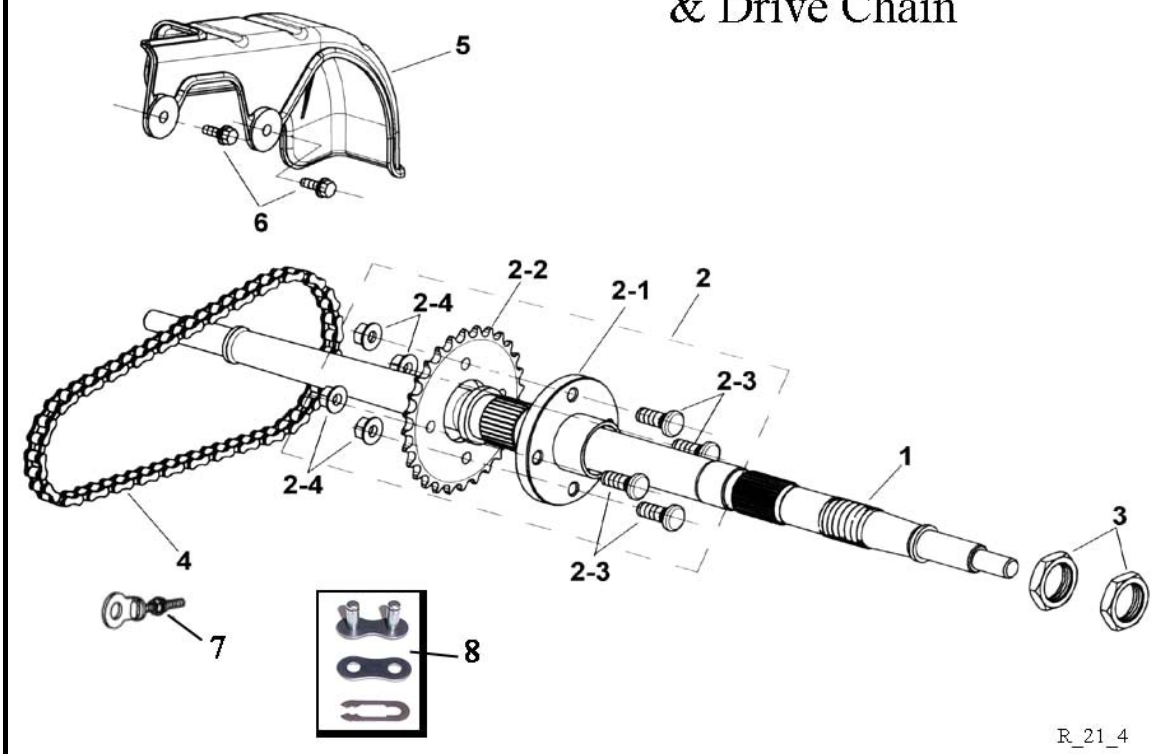


Fig Ref	Item No.	Description	Qty Req
19-1	811148	Handlebar	1
19-2	700243	Handlebar Grip	2
19-3	650411	Handlebar Clamp (Bottom)	2
19-4	650412	Handlebar Clamp Cap (LH)	1
19-5	650413	Handlebar Clamp Cap (RH)	1
19-6	650558	Socket Bolt (M6 X 25)	4
19-7	610149	Brake Master Cylinder & Lever	1
19-7-1	810561	Brake Lever (LH)	1
19-7-2	610152	Brake Switch Assembly	1
19-7-3	812416	Master Cylinder Bottom Clamp	1
19-8	700245	Throttle Lever, (RH)	1
19-8-1	700247	Throttle Lever (only)	1
19-8-2	811151	Throttle Lever Body	1
19-8-3	800221	Pan Head Bolt (M5x25)	1
19-8-4	813213	Nut (M5x8)	1
19-9	650255	Locking Flange Nut (M10x19)	2
19-12	811152	Parking Brake Lever	1
19-13	700271	Throttle Speed Label	1
19-14	700365	Pan Head Bolt (M4x15)	2
19-15	700251	Throttle Body Cover	1
19-16	700248	Throttle Body Cover Gasket	1
19-17	811123	Throttle Cable	1
19-18	811145	Parking Brake Cable	1
19-19	811143	Rear Hydraulic Brake Line	1
19-20	750314	Brake Hose Union Bolt M10x21	3
19-21	750309	Flat Washer (M10x12x1)	6

21. Rear Drive Axle & Drive Chain



R_21_4

Fig Ref	Item No.	Description	Qty Req
21-1	650550	Rear Axle	1
21-2	651004	Rear Sprocket 420x28T & Holder	1
21-2-1	650422	Rear Sprocket Holder	1
21-2-2	610128	Rear Sprocket (420x28T)	1
21-2-3	650552	Stud Bolt (M10x25))	4
21-2-4	650255	Locking Flange Nut (M10x19)	4
21-3	650555	Rear Axle Nut (M28x35x8)	2
21-4	650052	Drive Chain (Std #420x84L)	1
21-5	811046	Upper Rear Chain Guard	1
21-6	650294	Flange Bolt (M8 X 16)	2
21-7	650966	Chain Adjuster	1
21-8	810591	Master Link #520	1

22. Swing Arm & Skid Plates

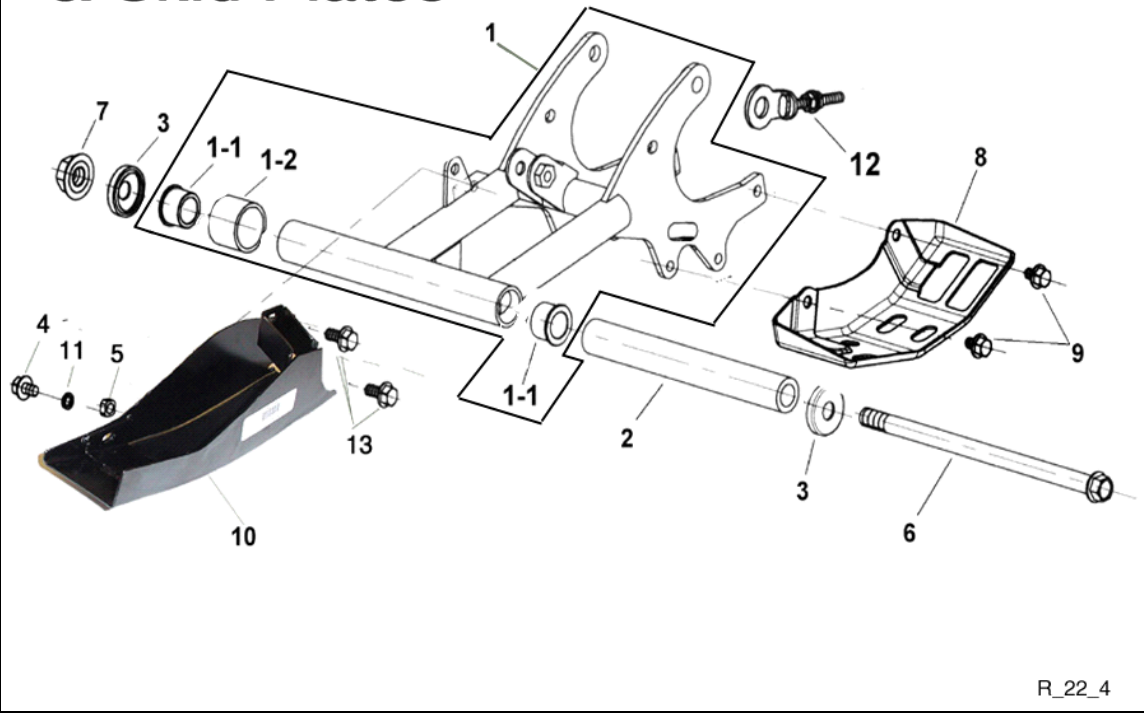
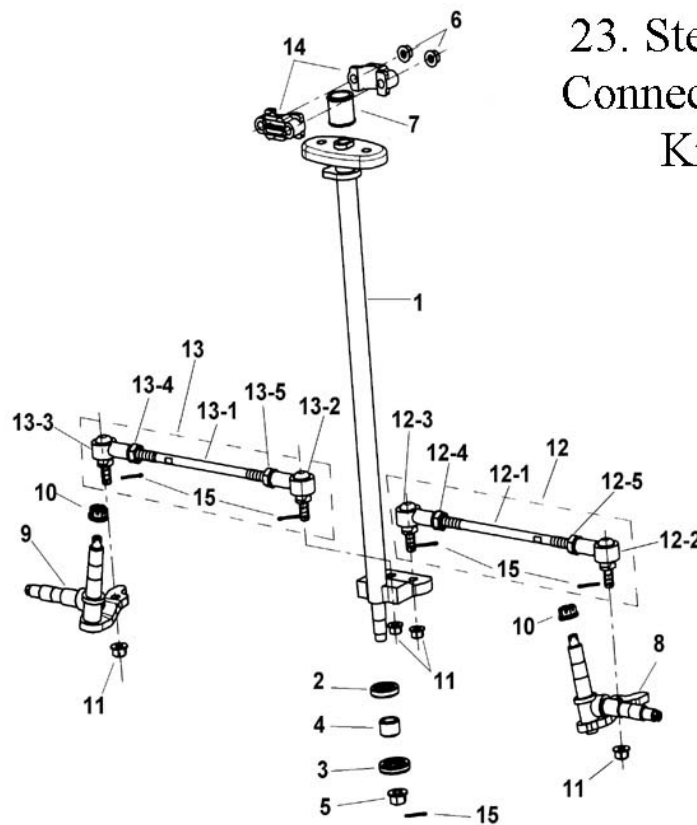


Fig Ref	Item No.	Description	Qty Req
22-1	650011	Swing Arm	1
22-1-1	650273	Oil Containing Bushing (020)	2
22-1-2	650276	Swing Arm Chain Protector	1
22-2	650274	Swing Arm Spacer (20x14.1x254)	1
22-3	650275	Swing Arm Seal Cover (30.8x35.	2
22-5	650279	Locking Flange Nut (M8x18)	1
22-6	650277	Swing Arm Set Bolt (M14 X 285)	1
22-7	650278	Locking Flange Nut (M14x25)	1
22-8	811047	Brake Caliper Skid Plate	1
22-9	650402	Flange Bolt (M8 X 12)	2
22-10	650426	Chain Skid Plate	1
22-11	650424	Spring Washer (M8x14x2)	3
22-12	650966	Chain Adjuster	1
22-13	650294	Flange Bolt (M8 X 16)	3

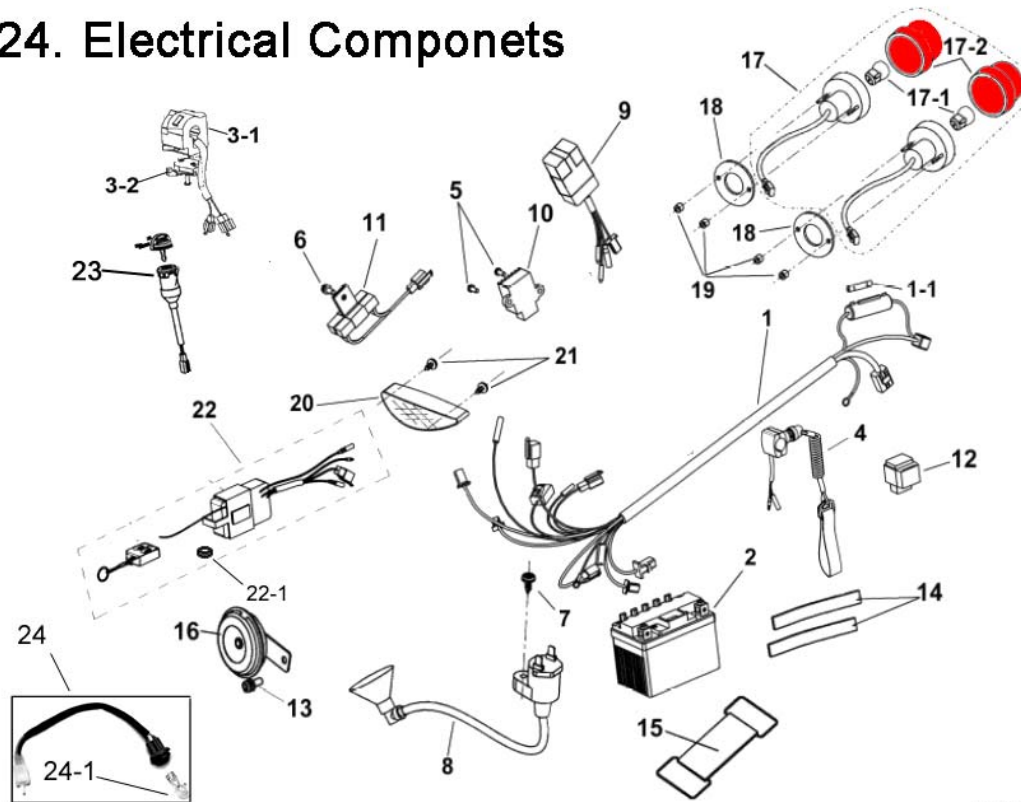


23. Steering Shaft, Connecting Rods & Knuckles

R_23_4

Fig Ref	Item No.	Description	Qty Req
23-1	811058	Steering Shaft	1
23-2	650430	Oil Seal (18x32x7)	1
23-3	650345	Oil Seal (22x35x7)	1
23-4	650346	Inner Spacer (15x21.7X15)	1
23-5	650278	Locking Flange Nut (M14x25)	1
23-6	650279	Locking Flange Nut (M8x18)	2
23-7	650435	PU Bushing Sleeve	1
23-8	700221	Knuckle (LH)	1
23-9	700227	Knuckle (RH)	1
23-10	650438	Locking Flange Nut (M10x20)	2
23-11	650255	Locking Flange Nut (M10x19)	4
23-12	650440	Steering Tie Rod (LH)	1
23-12-1	610048	Stud Bolt (M10x195)	1
23-12-2	610054	Tie Rod End (LH)	1
23-12-3	610056	Tie Rod End (RH)	1
23-12-4	610050	Nut (RH) (M10x16)	1
23-12-5	610051	Nut (LH) (M10x16)	1
23-13	650441	Steering Tie Rod (RH)	1
23-13-1	610048	Stud Bolt (M10x195)	1
23-13-2	610054	Tie Rod End (LH)	1
23-13-3	610056	Tie Rod End (RH)	1
23-13-4	610050	Nut (RH) (M10x16)	1
23-13-5	610051	Nut (LH) (M10x16)	1
23-14	650442	Steering Shaft Clamp	2
23-15	650339	Cotter Pin (1/8 x 1)	5

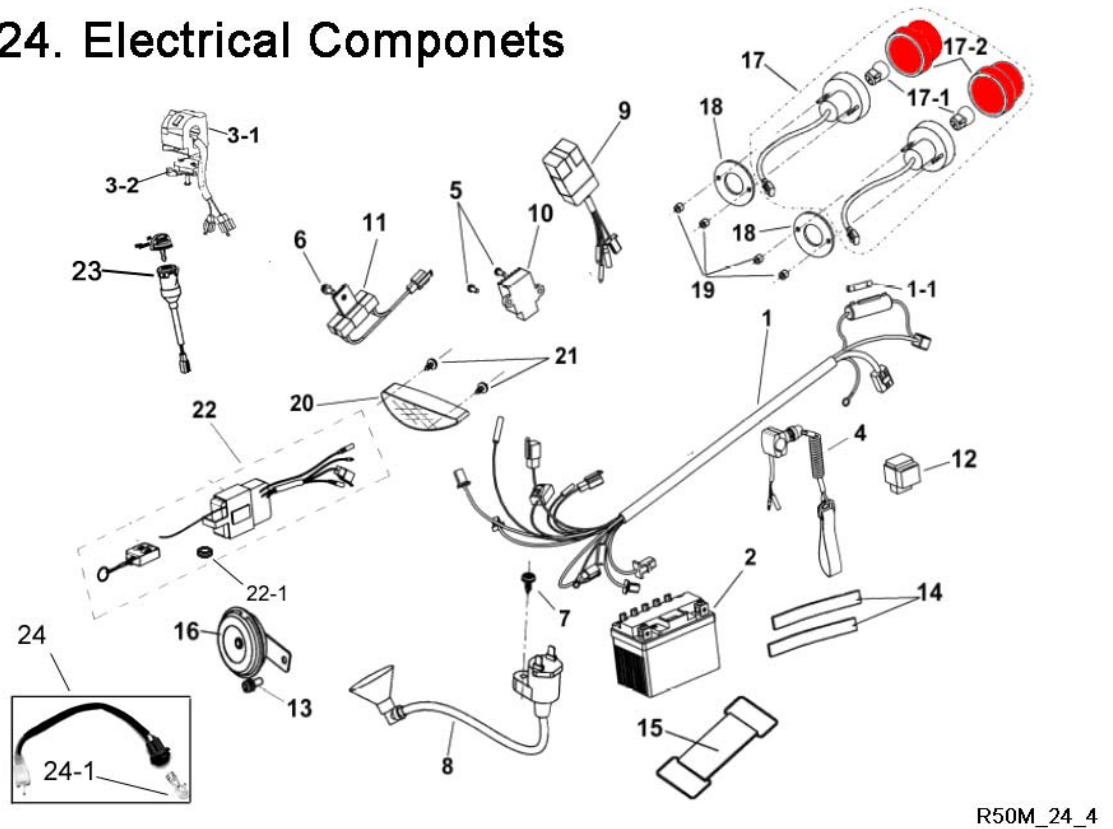
24. Electrical Components



R50M_24_4

Fig Ref	Item No.	Description	Qty Req
24-1	811113	Wiring Harness (2005 & Up)	1
24-1-1	650565	Fuse (7A)	1
24-2	750173	Battery (WP5L-BS)	1
24-3-1	811038	Handlebar Switch	1
24-3-2	811386	Manual Choke Lever	1
24-4	811154	Safety Tether Switch-2005 & Up	1
24-5	650332	Pan Head Bolt (M5x16)	2
24-6	650399	Pan Head Bolt & Washer (M6x12)	1
24-7	610116	Bolt & Washer (M5x20)	1
24-8	610189	Ignition Coil	1
24-9	811114	C.D.I. Module (Stepper Pod)	1
24-10	650457	Rectifier	1
24-11	650458	Resistor	1
24-12	650459	Starter Relay	1
24-13	650946	Pan Head Bolt (M6x12)	1
24-14	650723	Foam Pad	2
24-15	651005	Battery Strap	1
24-16	610159	Horn	1
24-17	610038	Tail Light	2
24-17-1	610031	Tail/Brake Light 12Vx21/5w	2
24-17-2	811037	Tail Light Lens	2
24-18	610032	Tail Light Gasket	2
24-19	700344	Lock Washer (M5x9x1)	4
24-20	610033	LED Assembly	1
24-21	610194	Self-Tapping Screw (M4x13)	2
24-22	811163	Remote Control Rcv/Trnmtr	1

24. Electrical Components



R50M_24_4

Fig Ref	Item No.	Description	Qty Req
24-22-1	814117	Key Fob Battery	1
24-23	650720	Ignition Key Switch (4wire)	1
24-24	812463	Head Light Wiring Harness Kit	2
24-24-1	610025	Bulb (12v/10w)	2

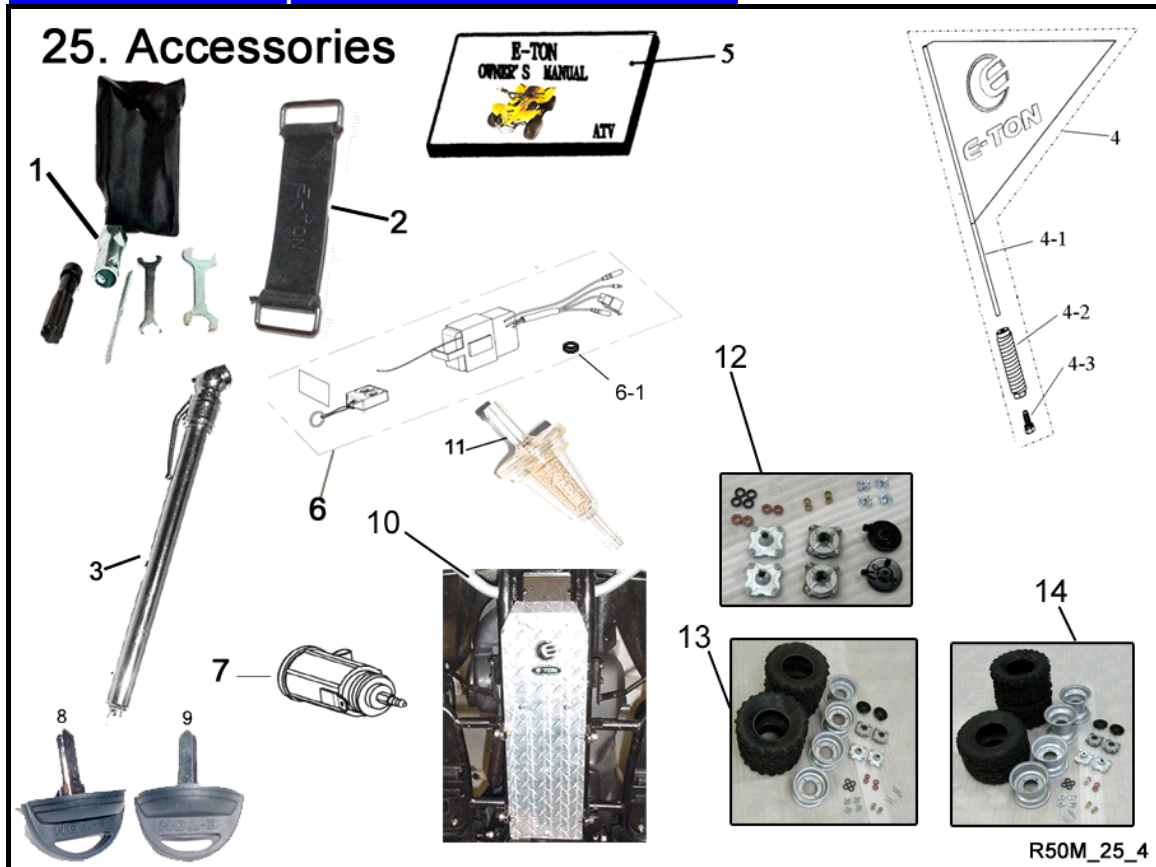


Fig Ref	Item No.	Description	Qty Req
25-1	650728	Tool Kit	1
25-2	650727	Tool Kit Retainer Strap	1
25-3	800529	Tire Pressure Gage	1
25-4	811072	E-TON Safety Flag (Complete)	1
25-4-1	811070	Flag & Mast	1
25-4-2	811071	Flag Holder Base	1
25-4-3	811077	Bolt & Washer (M8x16)	1
25-5	610110	Viper Owner's Manual	1
25-6	811163	Remote Control Rcv/Trnmtr	1
25-6-1	814117	Key Fob Battery	1
25-7	811162	Auxiliary Power Outlet	1
25-9	810009	Blank Key (RH Cut)	1
25-8	610009	Blank Key (Left Cut)	1
25-10	990010	Chassis Plate (RXL 50M-90R)	1
25-11	990017	¼ X 3 ClrStone Fuel Filter	1
25-12	814426	Big Tire Prep Kit	1
25-13	814427	70cc Big Tire Kit for 50M&70M	1
25-14	814428	90cc Big Tire Kit for 50M&70M	1
NP	200029	Viper 50M Parts Manual	1
NP	200036	Viper Service Manual (2 Cycle)	1
NP	200108	Viper 50M Digital Reference CD	1



ETON America

Kits & Accessories

Viper 50Mini



**Graphics
Kit
2005 Front
Red**

**Part No.
811191**



**Graphics
Kit
2005 Rear
Red**

**Part No.
610912**



**Graphics
Kit
2005 Front
Yellow**

**Part No.
811190**



**Graphics
Kit
2005 Rear
Yellow**

**Part No.
610913**

Viper 50Mini

ETON America, LLC.
7092 Howard Street
Unit - F
Spartanburg, SC 29303

Phone: 864-278-9585
Fax: 864-278-9590
E-mail: parts@etonamerica.com

*Wide Open!
Full Throttle!
Quality Time!*





ETON America Kits & Accessories

Viper 50Mini



New

Chassis Protection Plate

Part No.
990010

→



*Wide Open!
Full Throttle!
Quality Time!*

Viper 50Mini

ETON America, LLC.
7092 Howard Street
Unit - F
Spartanburg, SC 29303

Phone: 864-278-9585
Fax: 864-278-9590
E-mail: parts@etonamerica.com



