



ETON America

PARTS CATALOG

Viper 150R

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 150R



Figure No.	Content Reference
01	Crankcase and Starter Spindle
02	Crankshaft Cylinder Piston and Cam Chain
03	Starter Motor Starter Clutch and Oil Pump
04	Crankcase RH and AC Generator
05	Head, Head Cover Camshaft, Valves
06	Fan Cover and Engine Shroud
07	CVT Driven Pulley
08	Transmission
09	Gear Shift and Safety Neutral Switch
10	Air Filter and Fuel Recovery system
11	Carburetor and Throttle Cable
12	Engine Oil Cooler
13	Engine
14	Exhaust System Type SA
15	Frame
16	Body Covers Trim and Seat
17	A Arms and Swing Arm
19	Fuel Tank
20	Front and Rear Shock Absorbers
21	Front and Rear Tires and Wheels
23	Front Brakes
24	Rear Hydraulic Disc Brake
25	Handle Bar Levers, Cabels and Brake Line
26	Footrest Bumper and Rear Grab Bar
27	Rear Drive Axle Chain and Skip Plates
28	Steering System
29	Electrical Components
30	Accessories
31	Light Duty Hitch Kit
32	Heavy Duty Hitch Kit
33	(Optional) Rear Utility Rack

01. Crankcase

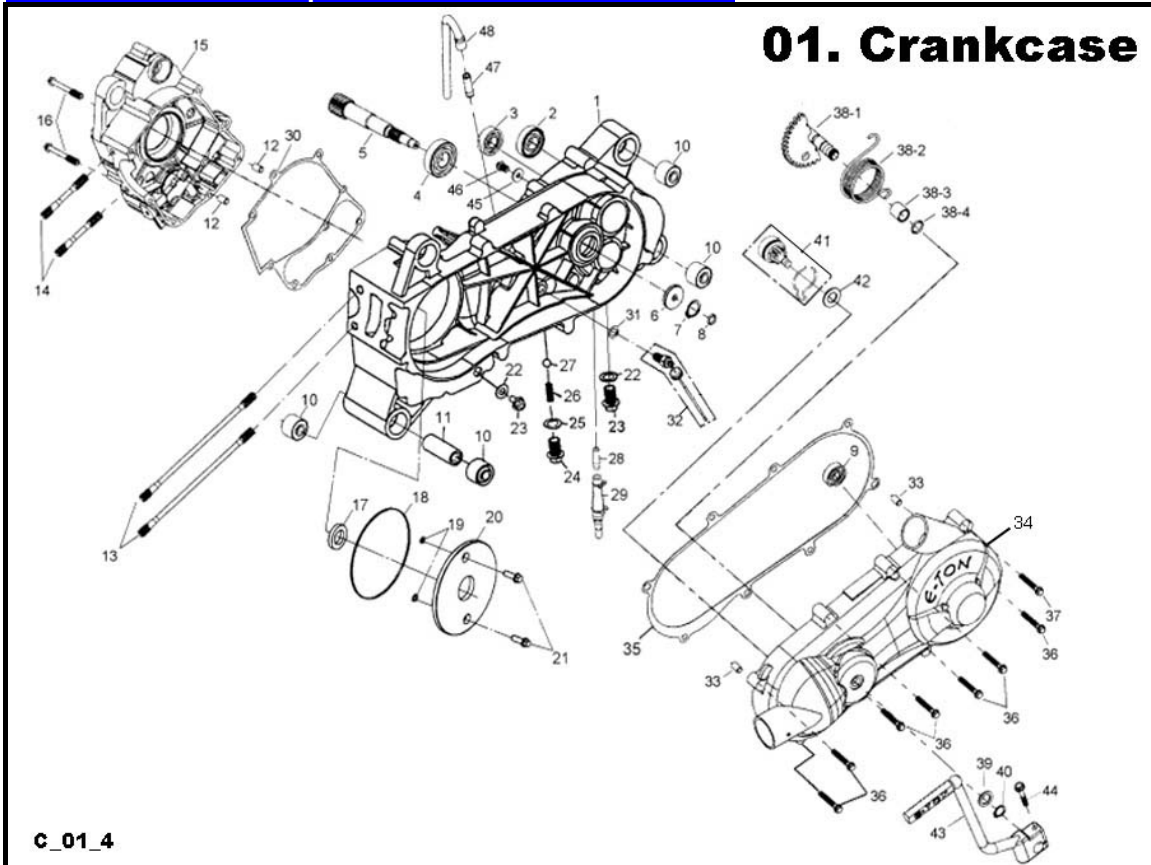


Fig Ref	Item No.	Description	Qty Req
1-1	800101	Crankcase (LH)	1
1-2	750389	Radial Ball Bearing (6203)	1
1-3	750388	Radial Ball Bearing (6202)	1
1-4	650111	Radial Ball Bearing (6204)	1
1-5	800103	Drive Shaft	1
1-6	800279	Oil Seal (M20x32x6)	1
1-7	650223	Circle-Clip #20	1
1-8	800470	O-Ring (9x24)	1
1-9	800106	Radial Ball Bearing (6200LU)	1
1-10	800107	Engine Mount Bushing	4
1-11	800108	Engine Mount Spacer (Front)	1
1-12	800109	Dowel Pin (8x14)	2
1-13	800110	Stud Bolt (M8x210)	2
1-14	800111	Stud Bolt (M8x200)	2
1-15	800112	Crankcase (RH)	1
1-16	800113	Flange Bolt (M6x50)	2
1-17	812811	Oil Seal (LH) [19.8x30x5R]	1
1-18	800116	O-Ring (107x2)	1
1-19	800117	O-Ring (6x1.7)	2
1-20	800118	Crankcase Plate (LH)	1
1-21	650143	Flange Bolt (M6x20)	2
1-22	800121	Flat Washer (M12x20x2)	2
1-23	800491	Flange Bolt (M12x15)	2
1-24	800123	Flange Bolt (M14x20)	1
1-25	800124	Flat Washer (M14x21x1)	1
1-26	800125	Fixed Catch Spring	1

01. Crankcase

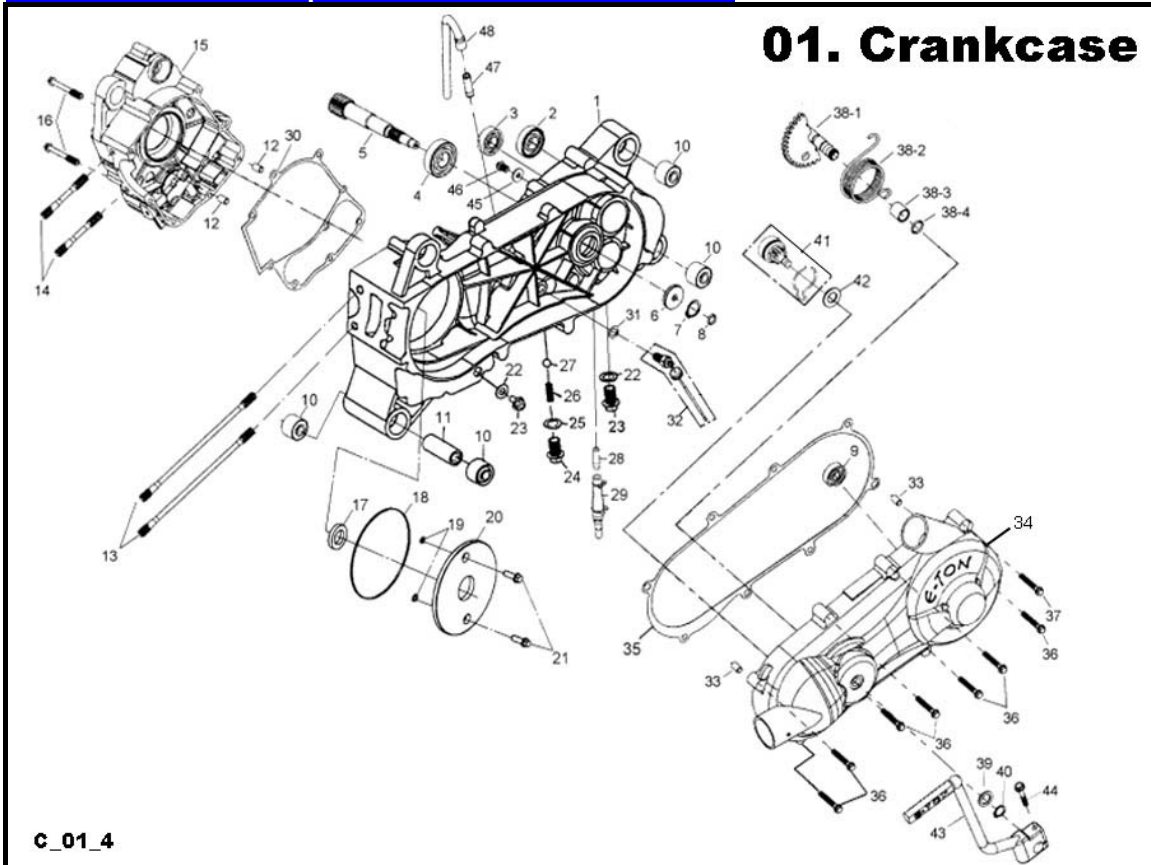
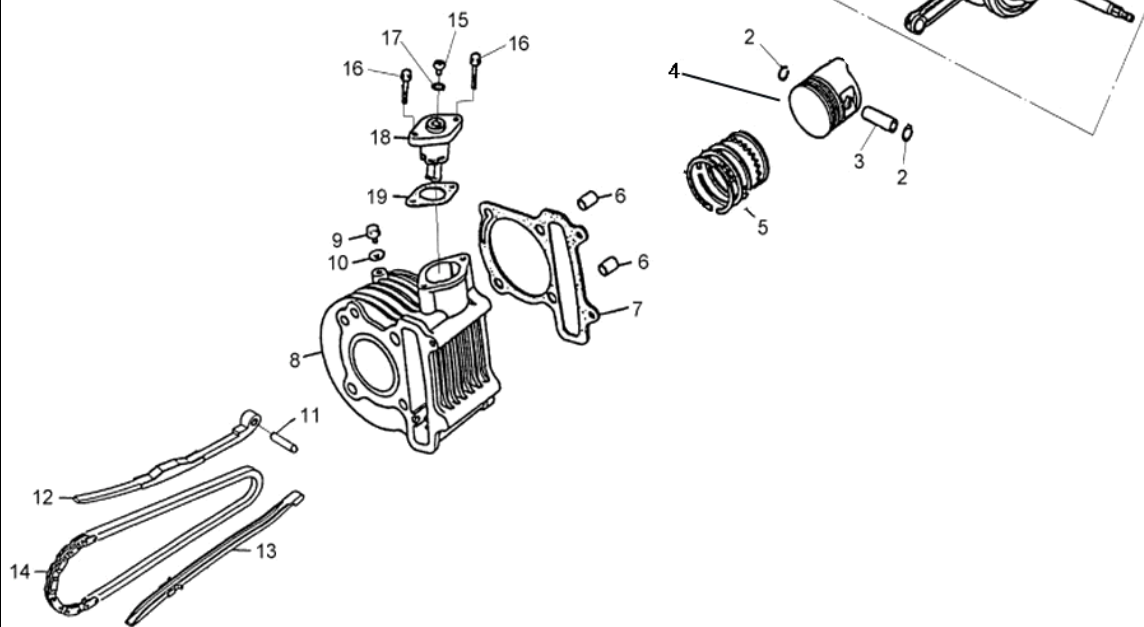


Fig Ref	Item No.	Description	Qty Req
1-27	800126	Ball Bearing	1
1-28	800127	Breather Tube Connector	1
1-29	800128	Crankcase Drain Tube	1
1-30	800129	Crankcase Gasket (RH)	1
1-31	800216	Flat Washer (M10x15x1)	1
1-32	800130	Neutral Switch Assembly	1
1-33	650158	Dowel Pin (M10x14)	2
1-34	800135	Crankcase Cover (LH)	1
1-35	800136	Crankcase Cover Gasket (LH)	1
1-36	800477	Bolt (M6x40)	7
1-37	800477	Bolt (M6x40)	1
1-38-1	800535	Kick Starter Spindle	1
1-38-2	800536	Kick Starter Torsion Spring	1
1-38-3	800537	Kick Starter Spindle Bushing	1
1-38-4	810003	O-Ring (13.8 x 2.4)	1
1-39	800143	Flat Washer (M15x20x2)	1
1-40	800144	Circle-Clip (14mm)	1
1-41	800145	Starter Idler Gear	1
1-42	810240	Flat Washer (M11x18x1)	1
1-43	800133	Kick Starter Arm	1
1-44	800474	Flange Bolt (M6x35)	1
1-45	800140	Flat Washer (M6x16x1)	1
1-46	800141	Flange Bolt SH (M6x12)	1
1-47	800142	Breather Tube Connector	1
1-48	800146	Breather Tube	1

02. Crankshaft, Piston & Cylinder



C_02_4

Fig Ref	Item No.	Description	Qty Req
2-1	800147	Crankshaft 150cc	1
2-1-1	800148	Wood-Ruff Key (M25x14x4)	2
2-2	800149	Piston Pin Circle-Clip	2
2-3	800150	Piston Wrist Pin 150cc	1
2-4	812332	Piston (150cc)	1
2-5	800152	Piston Ring (Set of 5) 150cc	1
2-6	650158	Dowel Pin (M10x14)	2
2-7	800156	Cylinder Base Gasket	1
2-8	800157	Cylinder 150cc	1
2-9	800490	Flange Bolt (M6x12)	1
2-10	800159	Flat Washer (M6x10x1)	1
2-11	800160	Cam Chain Guide Pin	1
2-12	800162	Cam Chain Guide A	1
2-13	800163	Cam Chain Guide B	1
2-14	800164	Cam Chain	1
2-15	800161	Pan Head Bolt (M6x6)	1
2-16	650143	Flange Bolt (M6x20)	2
2-17	800153	O-Ring (M1.5x9.5)	1
2-18	800154	Cam Chain Tentioner	1
2-19	800155	Cam ChainTentioner Gasket	1

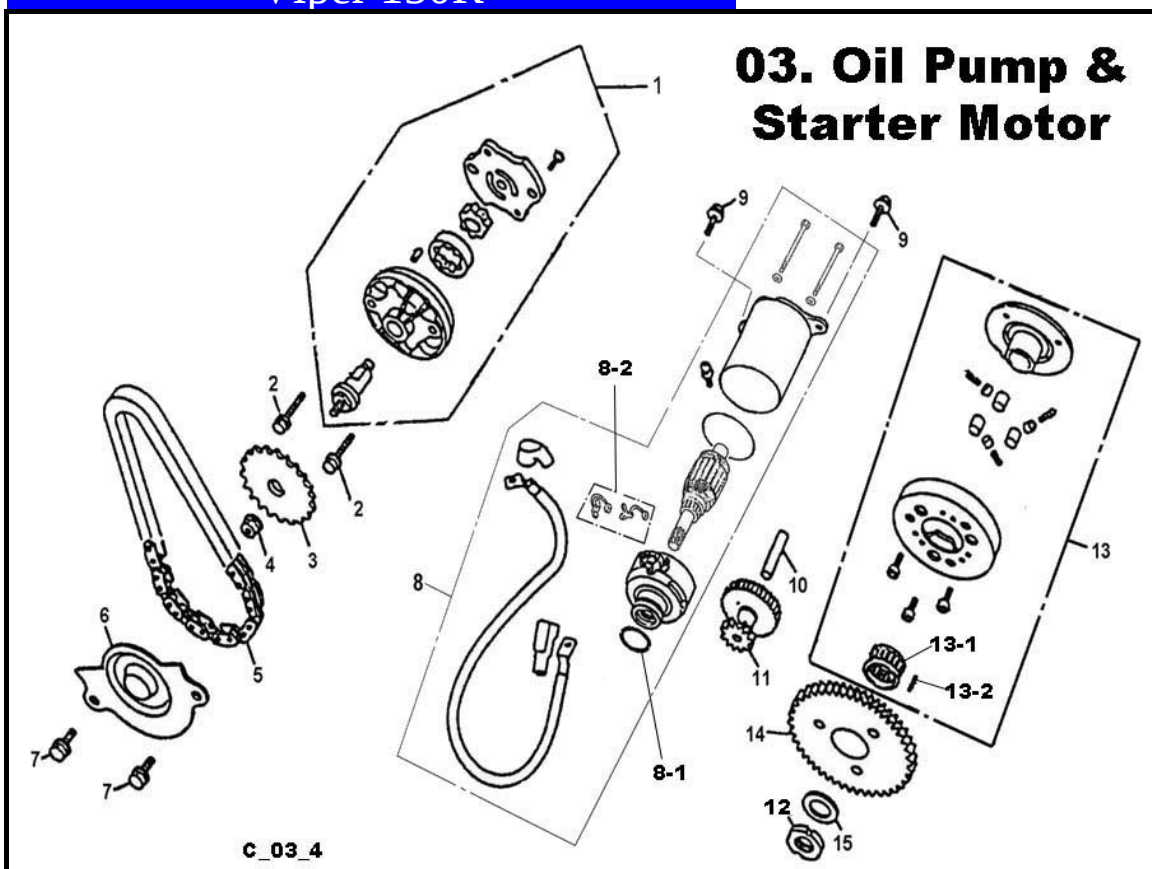


Fig Ref	Item No.	Description	Qty Req
3-1	800165	Oil Pump 150cc	1
3-2	800172	Pan Head Bolt (M6x30)	2
3-3	800173	Oil Pump Drive Sprocket	1
3-4	800480	Flange Nut (M6x11)	1
3-5	800174	Oil Pump Chain	1
3-6	800175	Oil Separator	1
3-7	800141	Flange Bolt SH (M6x12)	2
3-8	800176	Starter Motor	1
3-8-1	811473	O-Ring (24.4x3.1)	1
3-8-2	811474	Comutator Brushes	2
3-9	800475	Flange Bolt (M6x16)	2
3-10	800171	Starter Reduction Gear Shaft	1
3-11	800170	Starter Reduction Gear	1
3-12	800166	Lock Nut (M22x30)	1
3-13	800169	Outer Starter Clutch	1
3-13-1	811475	Needle Bearing	1
3-13-2	811212	Lock Pin	1
3-14	800168	Starting Clutch Gear	1
3-15	800167	Flat Washer (M22x31x2)	1

04. Crankcase (RH) & A/C Generator

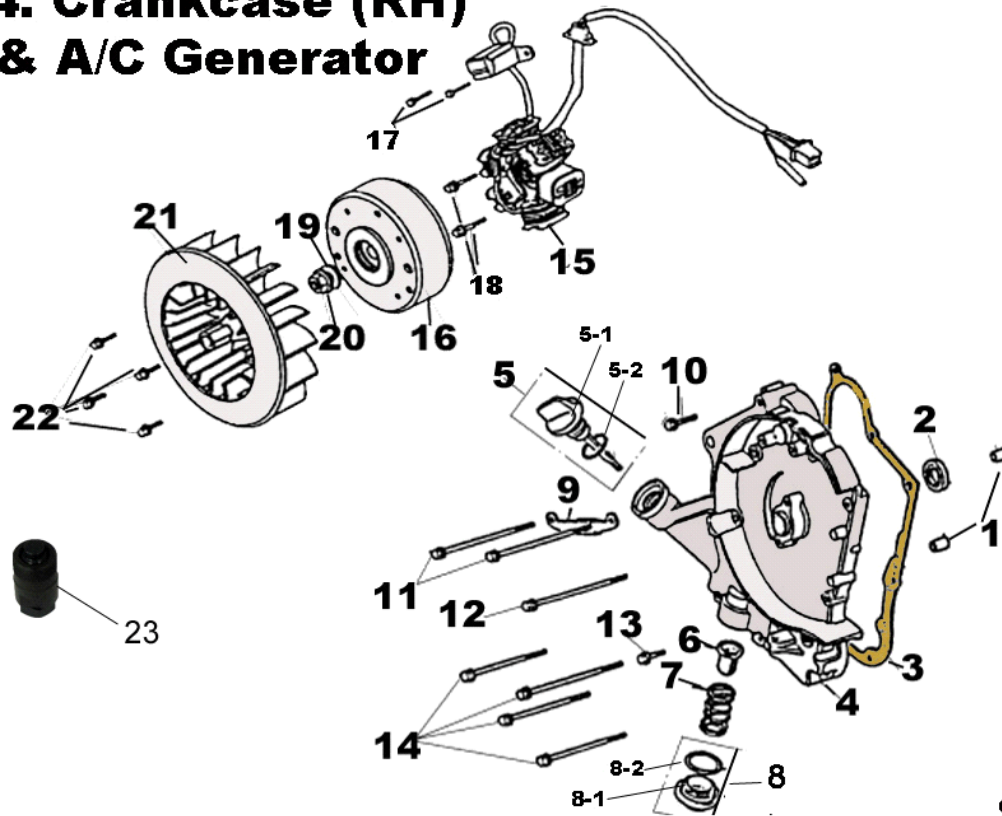


Fig Ref	Item No.	Description	Qty Req
4-1	800109	Dowel Pin (8x14)	2
4-2	812862	Oil Seal (RH) [19.8x30x5L]	1
4-3	800178	Crankcase Cover Gasket (RH)	1
4-4	800476	Crankcase Cover (RH)	1
4-5	800180	Oil Level Gauge & O-Ring	1
4-5-1	811476	Oil Level Gauge	1
4-5-2	811477	O-Ring Seal (18x3.5)	1
4-6	800182	Oil Filter Screen	1
4-7	800183	Oil Filter Screen Spring	1
4-8	800184	Crankcase Drain Plug & O-Ring	1
4-8-1	811478	Crankcase Drain Plug	1
4-8-2	811479	O-Ring Seal	1
4-9	800186	AC Generator Clamp	1
4-10	800477	Bolt (M6x40)	1
4-11	800478	Flange Bolt (M6x110)	2
4-12	700326	Flange Bolt SH (M6x100)	1
4-13	700325	Flange Bolt (M6x32)	1
4-14	800479	Flange Bolt (M6x95)	4
4-15	811161	AC Generator (8 Pole)	1
4-16	811384	Flywheel (8 Pole)	1
4-17	800194	Bolt & Washer (M5x14)	2
4-18	650143	Flange Bolt (M6x20)	2
4-19	650509	Flat Washer (M13x25x2))	1
4-20	650510	Flange Nut (M12x22)	1
4-21	800181	Cooling Fan	1
4-22	800119	Flange Bolt SH (M6x18)	4

04. Crankcase (RH) & A/C Generator

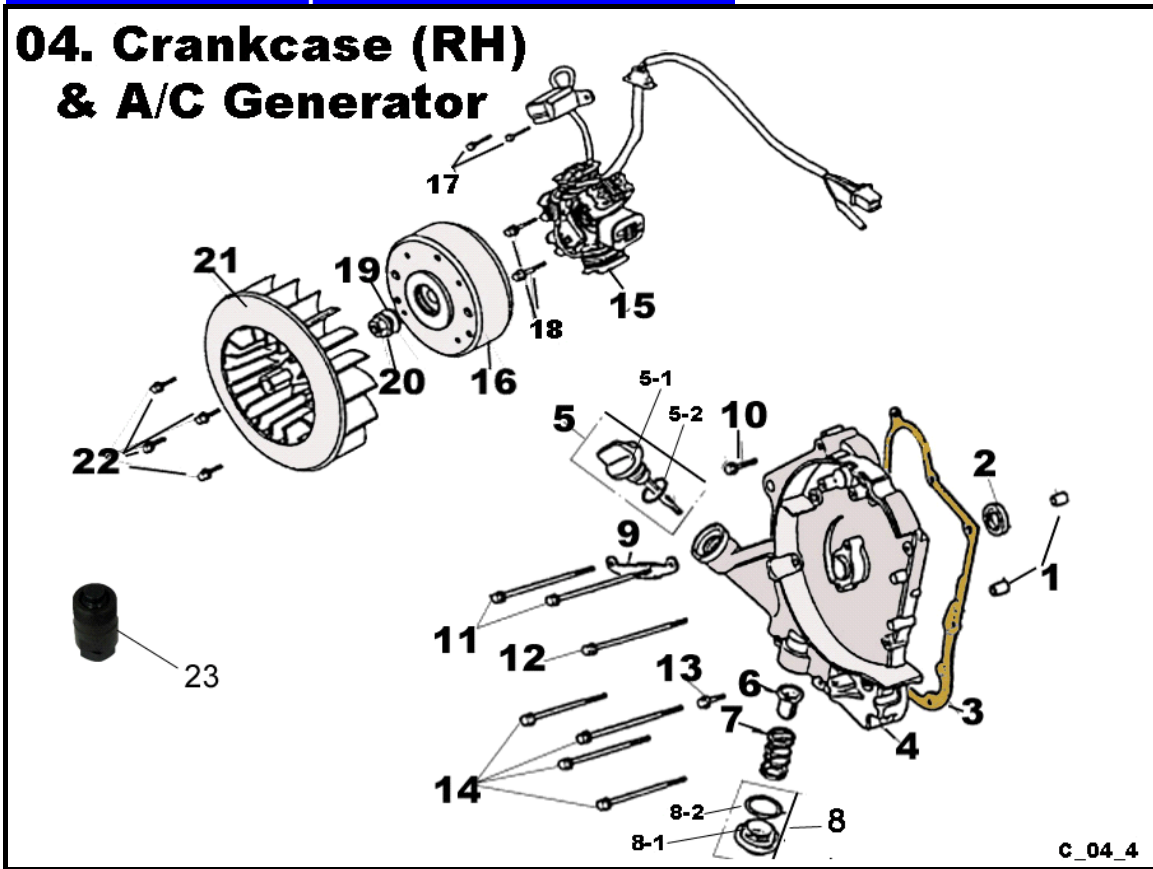
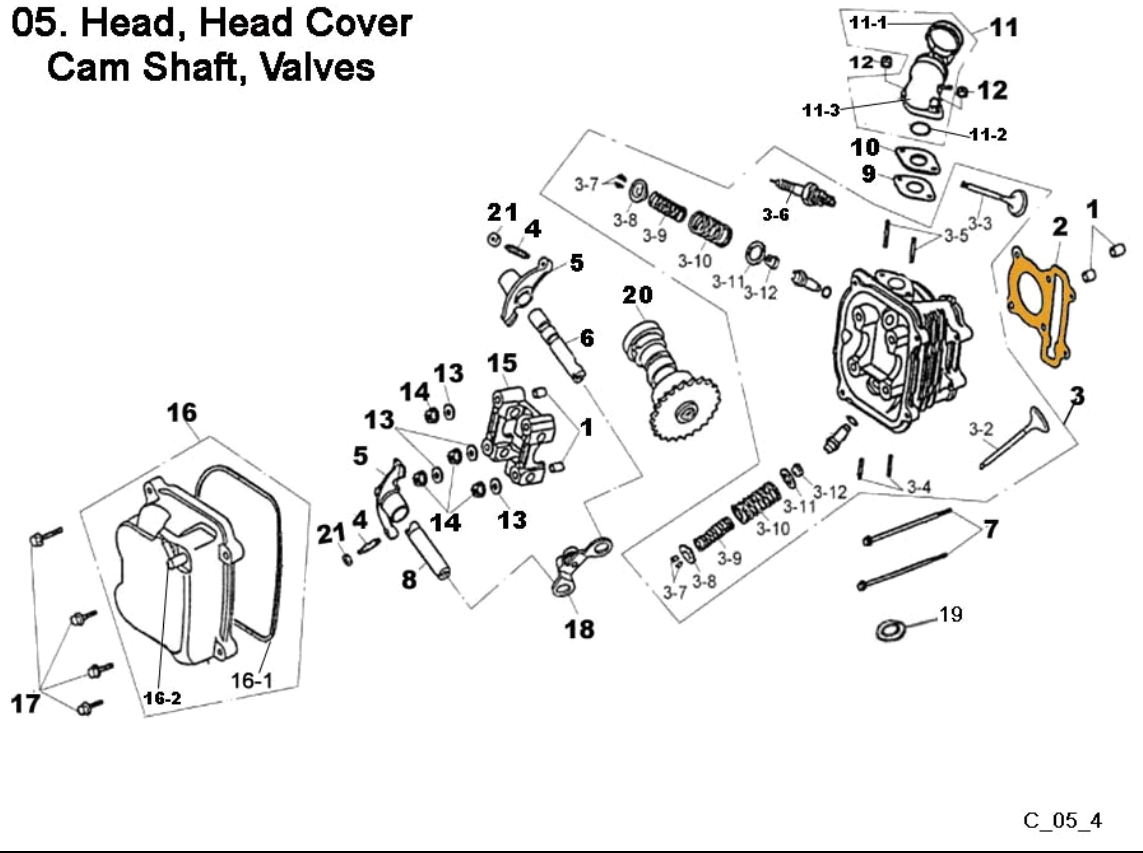


Fig Ref	Item No.	Description	Qty Req
4-23	814120	Flywheel Puller Tool	1

05. Head, Head Cover Cam Shaft, Valves



C_05_4

Fig Ref	Item No.	Description	Qty Req
5-1	650158	Dowel Pin (M10x14)	4
5-2	800195	Cylinder Head Gasket 150cc	1
5-3	800198	Cylinder Head 150cc	1
5-3-2	800196	Exhaust Valve	1
5-3-3	800197	Intake Valve	1
5-3-4	810241	Stub Bolt No:003 (M6x27)	2
5-3-5	800202	Stud Bolt (M6x50)	2
5-3-6	800199	Spark Plug (C7HSA)	1
5-3-7	800205	Valve Spring Retainer	4
5-3-8	800206	Valve Spring Retainer Washer	2
5-3-9	800207	Inner-Valve Spring	2
5-3-10	800208	Outer-Valve Spring	2
5-3-11	800209	Outer-Valve Spring Seat	2
5-3-12	800210	Valve Stem Seal	2
5-4	800481	Tappet Adjusting Screw	2
5-5	800214	Valve Rocker Arm	2
5-6	800215	Intake-Rocker Arm Shaft	1
5-7	700326	Flange Bolt SH (M6x100)	2
5-8	800482	Exhaust Rocker Arm Shaft	1
5-9	800203	Carburetor Insulator Gasket	1
5-10	800204	Carburetor Insulator	1
5-11	800223	Intake Manifold & Clamp	1
5-11-2	811481	O-Ring	1
5-11-1	811480	Intake Manifold Clamp	1
5-11-3	811524	Intake Manifold	1
5-12	800480	Flange Nut (M6x11)	2

05. Head, Head Cover Cam Shaft, Valves

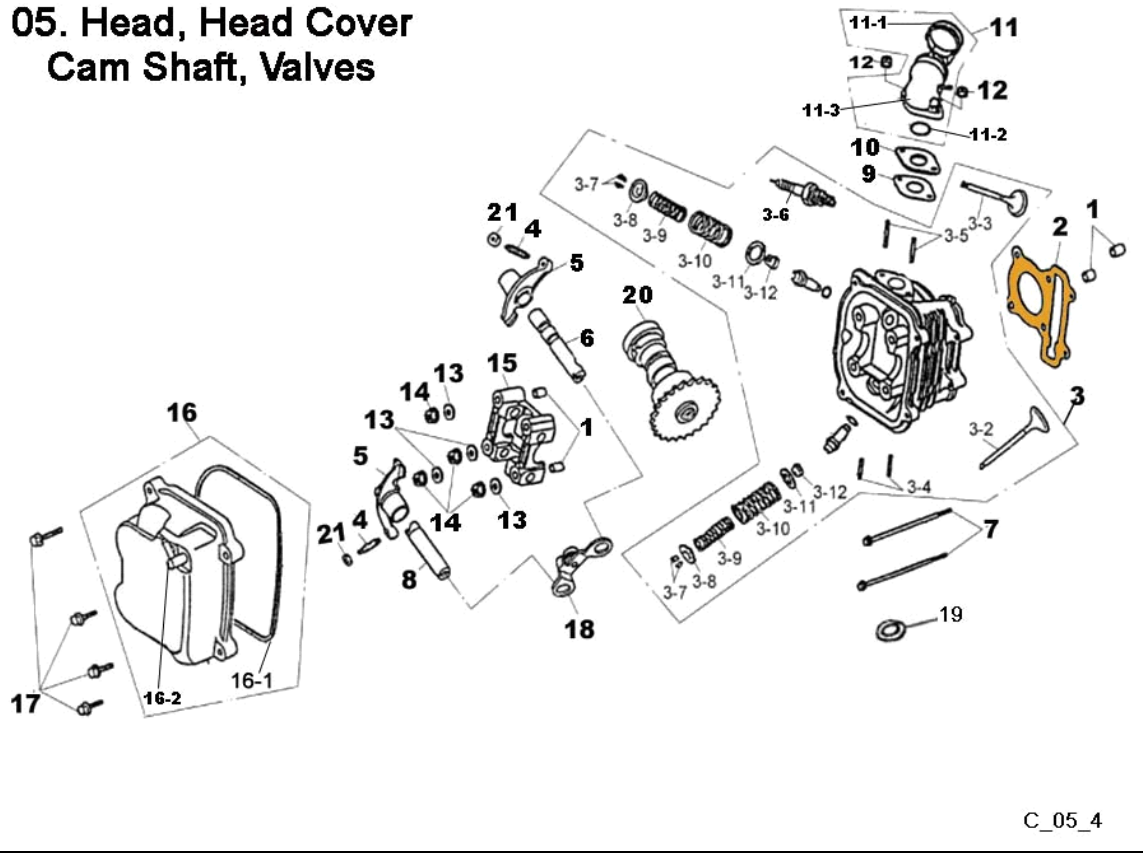


Fig Ref	Item No.	Description	Qty Req
5-13	800217	Flat Washer (M8x16x2)	4
5-14	700305	Flange Nut (M8x15)	4
5-15	800219	Cam Shaft Holder	1
5-16	800220	Rocker Arm Cover	1
5-16-1	811456	Rocker Arm Cover Gasket	1
5-16-2	811482	Breather Tube Connector	1
5-17	800488	Flange Bolt SH (M6x25)	4
5-18	800222	Limiter Plate	1
5-19	800200	Exhaust Muffler Gasket	1
5-20	800211	Cam Shaft (Complete)	1
5-21	800212	Nut (No 007)	2

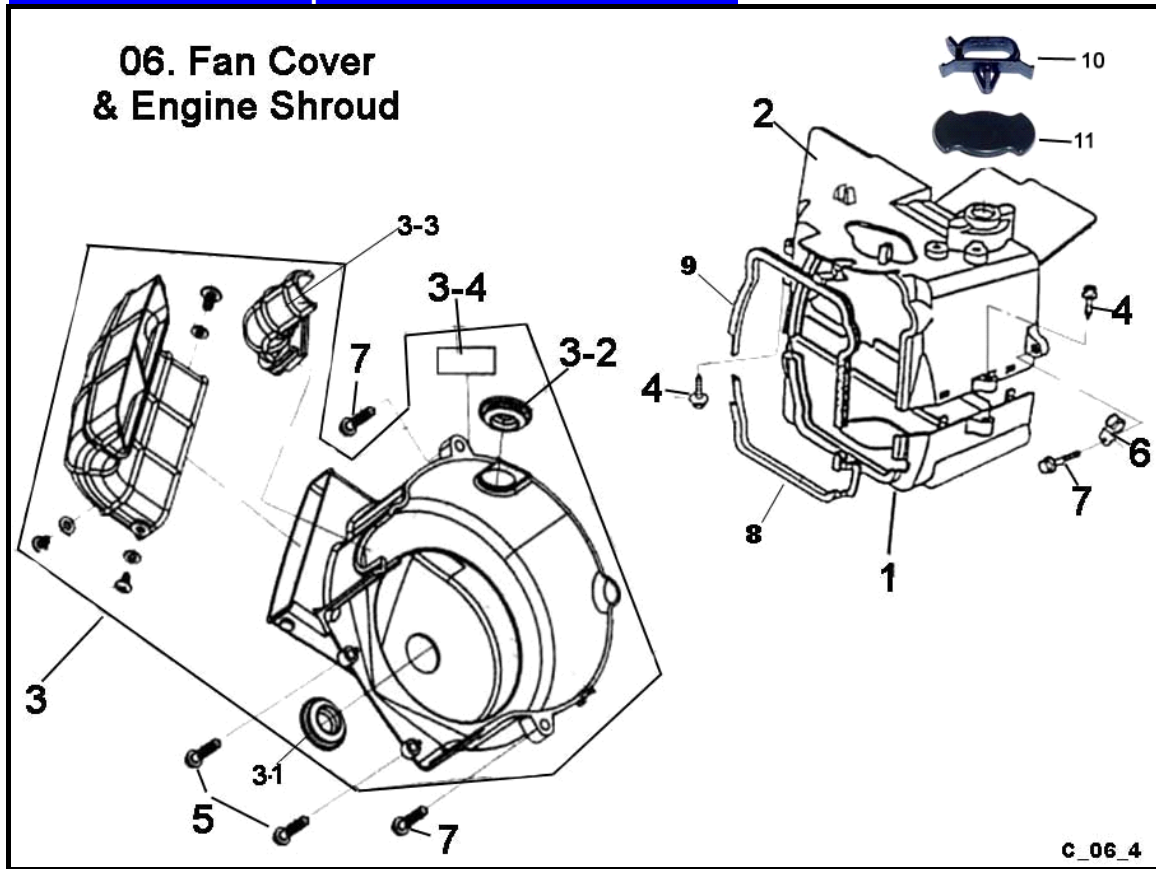
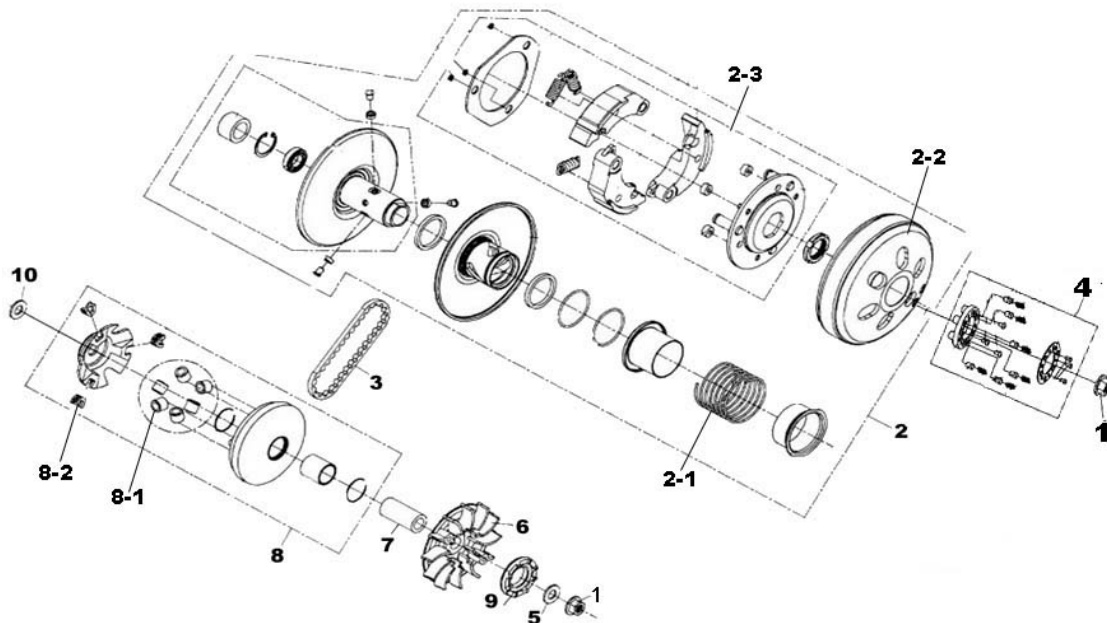


Fig Ref	Item No.	Description	Qty Req
6-1	800224	Lower Shroud	1
6-2	800484	Upper Shroud	1
6-3	810004	Fan Cover	1
6-3-1	810005	Fan Cover Plug (B)	1
6-3-2	810005	Fan Cover Plug (B)	1
6-3-3	811465	Carburetor Cooling Duct	1
6-3-4	800486	Oil Cap Label	1
6-4	800487	Self Tapping Screw (M5x12)	2
6-5	800221	Pan Head Bolt (M5x25)	2
6-6	800241	Carburetor Drain Tube Clamp	1
6-7	800488	Flange Bolt SH (M6x25)	3
6-8	811483	Lower Shroud Seal	1
6-9	811484	Uper Shroud Seal	1
6-10	811485	Breather Tube Clamp	1
6-11	811486	Cam Chain Access Cap	1

07. C.V.T. Pulley System



C_07_4

Fig Ref	Item No.	Description	Qty Req
7-1	650510	Flange Nut (M12x22)	2
7-2	811196	Driven Pulley	1
7-2-1	811487	Drive Face Spring	1
7-2-2	811488	Drive Clutch Drum	1
7-2-3	811489	Drive Clutch Assembly	1
7-3	800266	Drive Belt (743x20x30)	1
7-4	811159	Friction Disc	1
7-5	811457	Flat Washer (M15x24x2)	1
7-6	800267	Drive Face	1
7-7	800268	Drive Face Boss	1
7-8	800269	Movable Drive Face	1
7-8-1	811490	Clutch Rollers 15g (Set 6)	6
7-8-2	811491	Slide Retainer Clips (Set 3)	3
7-9	800242	Kick Starter Ratchet	1
7-10	810242	Flat Washer (M15x25x1)	1

08. Transmission

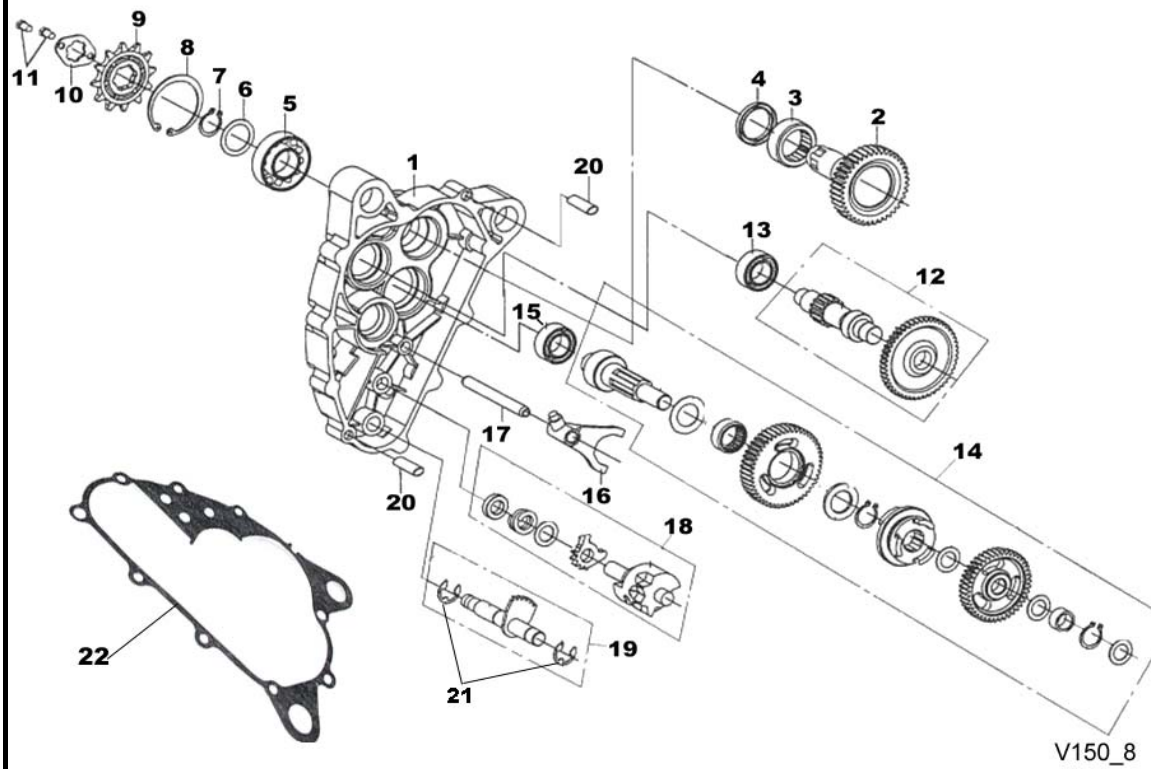


Fig Ref	Item No.	Description	Qty Req
8-1	800489	Transmission Cover	1
8-2	800277	Final Drive Shaft	1
8-3	800278	Needle Bearing (M30x42x17)	1
8-4	800270	Oil Seal (30x40x5)	1
8-5	800280	Radial Ball Bearing (6205LLU)	1
8-6	800281	Flat Washer (M25x33x1)	1
8-7	800282	Circle-Clip (25mm)	1
8-8	800283	Circle-Clip (52mm)	1
8-9	800284	Drive Sprocket (520x12T)	1
8-10	800285	Locking Plate - A2	1
8-11	811532	Bolt (M6x10)	2
8-12	800286	Counter Shaft	1
8-13	800289	Radial Ball Bearing (6302)	1
8-14	800290	Gear Shift Shaft	1
8-15	650111	Radial Ball Bearing (6204)	1
8-16	800302	Shift Fork	1
8-17	800303	Shift Fork Guide Shaft	1
8-18	800304	Gear Shift Drum	1
8-19	800309	Gear Shift Spindle	1
8-20	650158	Dowel Pin (M10x14)	2
8-21	811492	Circle E Clip	2

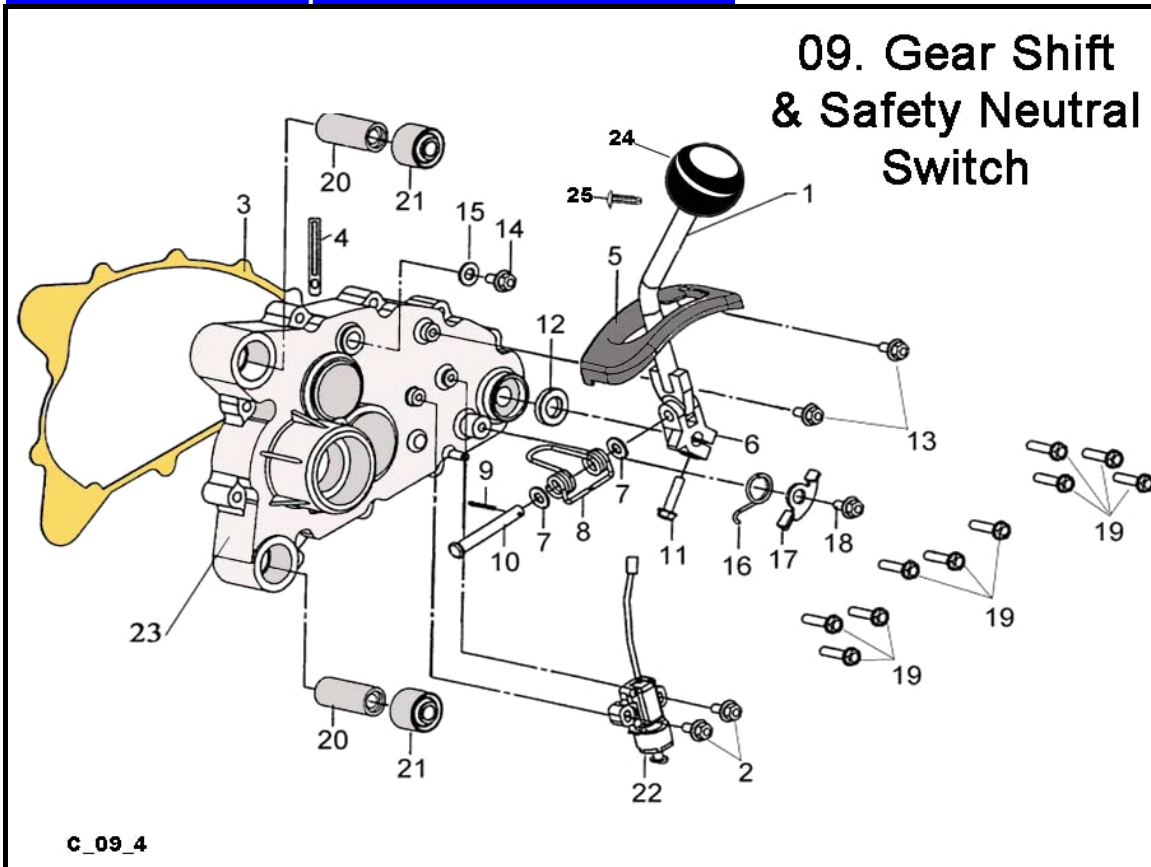


Fig Ref	Item No.	Description	Qty Req
9-1	811395	Shifting Lever & Handle	1
9-2	800493	PanHead Screw w/Washer (M5x16)	2
9-3	800312	Transmission Cover Gasket	1
9-4	800494	Ignition Coil Wire Clamp	1
9-5	800314	Shifting Lever Notch Plate	1
9-6	800315	Shift Lever Bracket	1
9-7	800316	Flat Washer (M10x13x1)	2
9-8	800317	Shift Rod Spring	1
9-9	800318	Cotter Pin	1
9-10	800319	Shift Rod Spring Pin	1
9-11	800339	Flange Bolt SH (M6x25)	1
9-12	800320	Oil Seal (M14x28x7)	1
9-13	800490	Flange Bolt (M6x12)	2
9-14	800491	Flange Bolt (M12x15)	1
9-15	800121	Flat Washer (M12x20x2)	1
9-16	800322	Transmission Plank Spring	1
9-17	800323	Transmission Plank	1
9-18	810243	Flange Bolt (M6x11)	1
9-19	800492	Flange Bolt (M6x40)	10
9-20	800324	Case Bushing (40mm)	2
9-21	800107	Engine Mount Bushing	2
9-22	800326	Safety Neutral Switch	1
9-23	800489	Transmission Cover	1
9-24	811493	Shift Lever Handle (Viper 150)	1
9-25	811494	Pan Head Bolt (M6x20)	1

10. Air Filter & Fuel Recovery

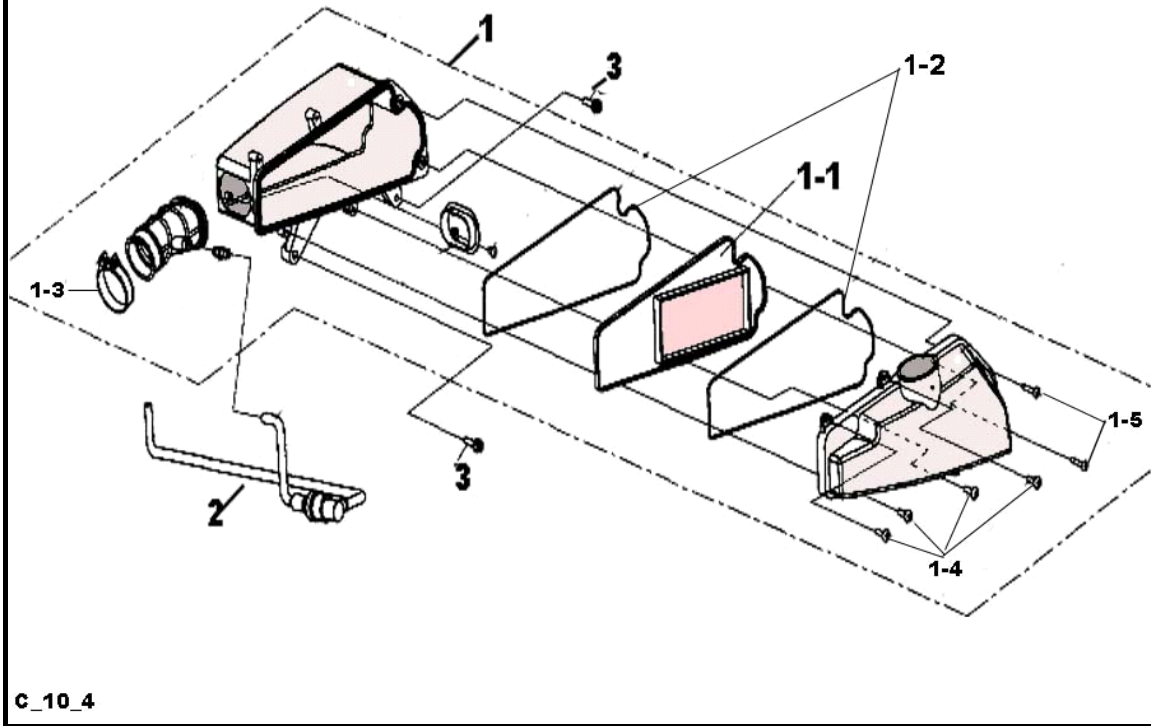


Fig Ref	Item No.	Description	Qty Req
10-1	800328	Air Cleaner Assembly	1
10-1-1	800333	Paper Air Filter Element	1
10-1-2	811458	Air Filter Case Seals	2
10-1-3	811495	Air Duct Clamp	1
10-1-4	811496	Self Tapping Screw (M5x20)	4
10-1-5	811497	Self Tapping Screw (M5x32)	2
10-2	811388	Waste Gas Recovery System	1
10-3	800339	Flange Bolt SH (M6x25)	2

11. Carburetor

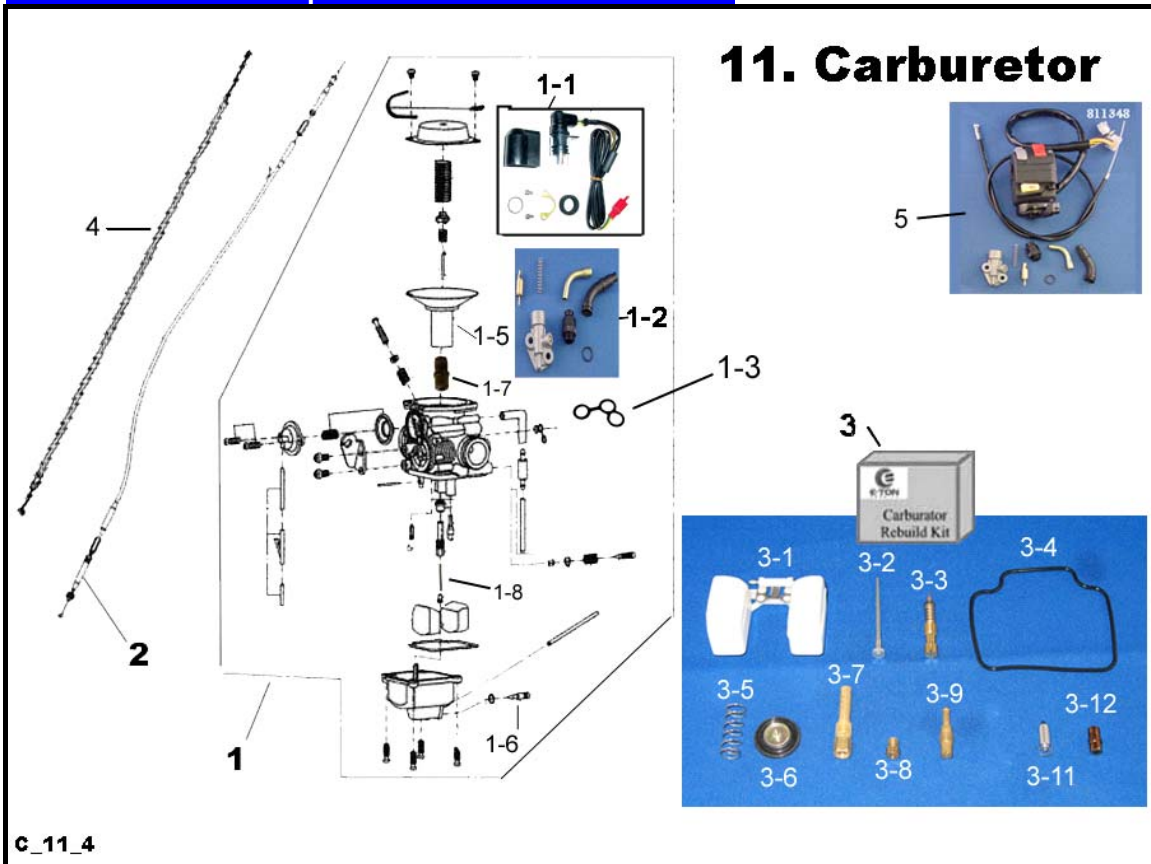
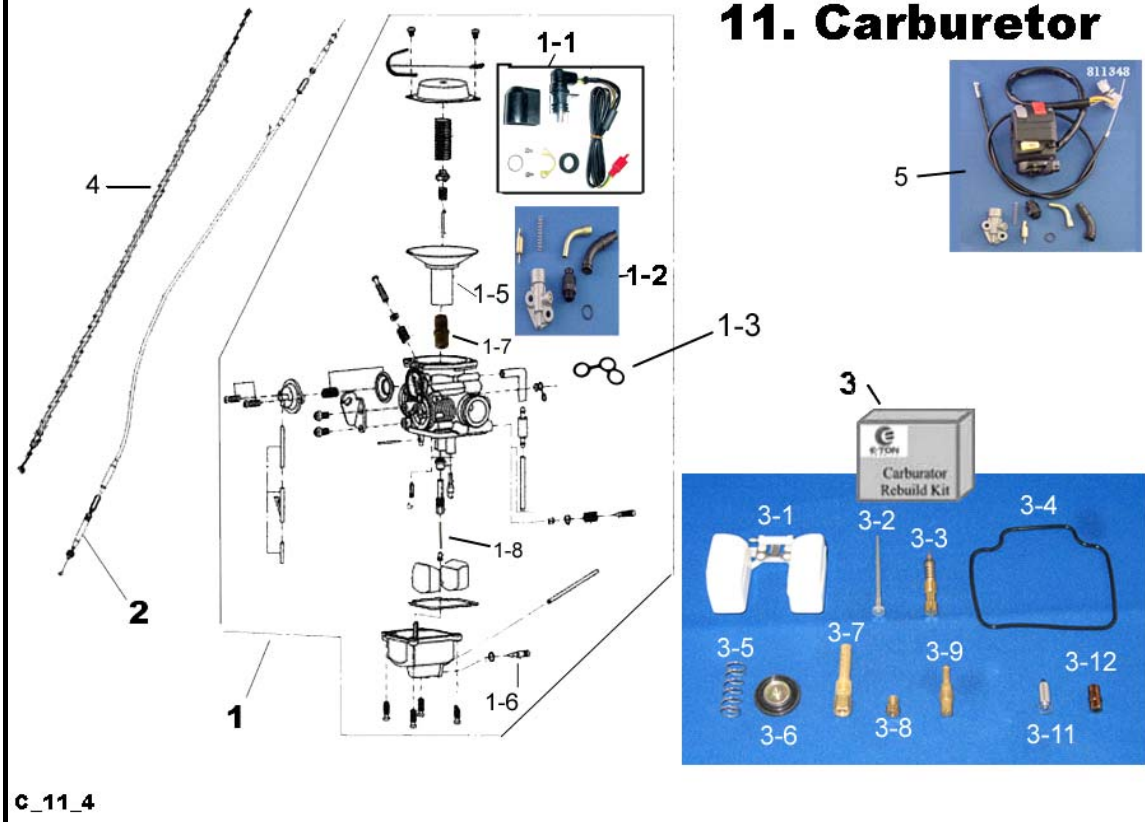


Fig Ref	Item No.	Description	Qty Req
11-1	800340	Carburetor (Elec Choke 150cc)	1
11-1	811381	Carburetor (Mnl Choke 150cc)	1
11-1-1	810592	Electric Choke 150cc	1
11-1-2	811382	Manual Choke 150cc	1
11-1-3	814425	O-Ring Seal	1
11-1-5	811536	Vacuum Piston (Winged Shaft)	1
11-1-6	800551	Carburetor Drain Bolt (150cc)	1
11-1-7	810402	Jet Needle Guide	1
11-1-8	814493	Float Pin (150cc)	1
11-2	800550	Throttle Cable	1
11-3	810420	Carb Kit (150cc)	1
11-3-1	800553	Carburetor Float (150cc)	1
11-3-2	811535	Jet Needle (*SG5A)	1
11-3-3	812337	Air Adjustment Bolt	1
11-3-4	810404	Bowl Gasket	1
11-3-5	812335	A.C.V. Spring	1
11-3-6	812336	A.C.V. Diaphragm	1
11-3-7	810401	Main Jet Atomizer	1
11-3-8	812414	Main Jet #112	1
11-3-9	810400	Pilot Jet (*35)	1
11-3-11	810403	Float Valve Needle	1
11-3-12	810402	Jet Needle Guide	1
11-4	811383	Choke Cable 150cc	1
11-5	811348	Manual Choke Kit 150cc	1
11-NP	810407	Main Jet (#104)	1
11-NP	811499	Main Jet (#108)	1

11. Carburetor



C_11_4

Fig Ref	Item No.	Description	Qty Req
11-NP	810423	Pilot Jet (*38)	1

12. Oil Cooler

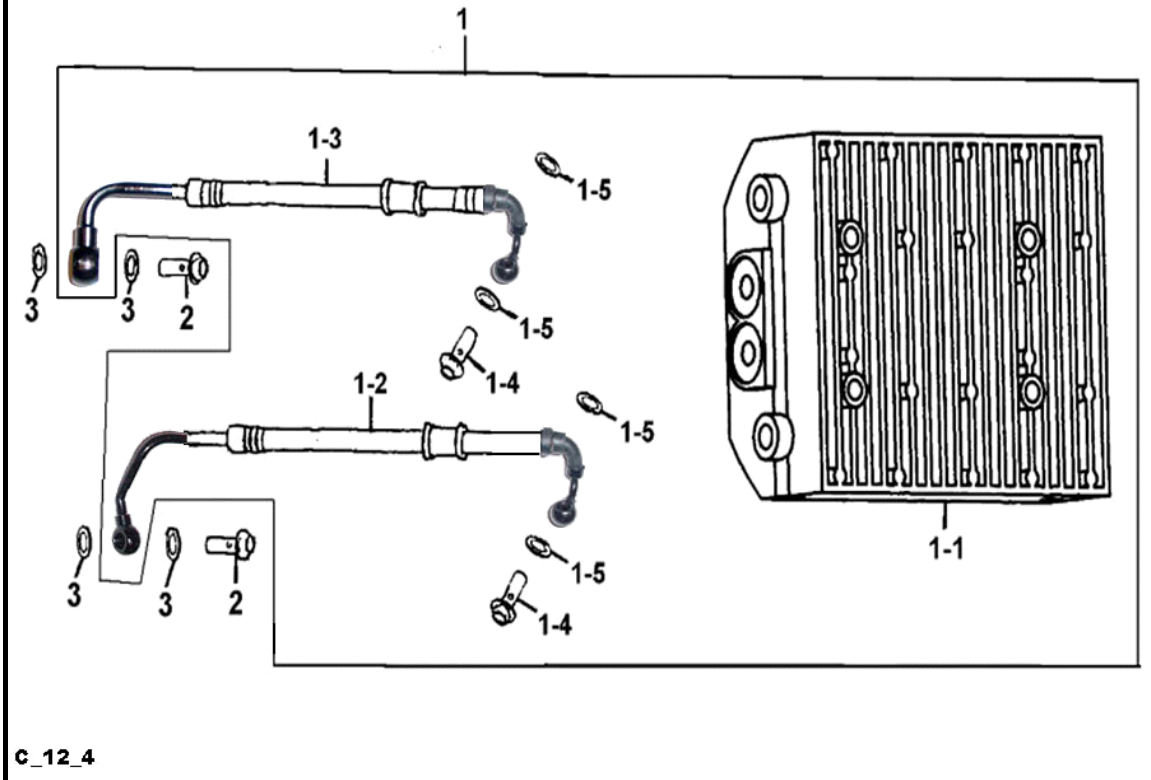


Fig Ref	Item No.	Description	Qty Req
12-1	811407	Oil Cooler & Hoses	1
12-1-1	800345	Oil Cooler Unit	1
12-1-2	811390	Oil Inlet Hose	1
12-1-3	811391	Oil Outlet Hose	1
12-1-4	800349	Oil Bypass Bolt	2
12-1-5	800350	Oil Bypass Joint Seal Washer	4
12-2	800349	Oil Bypass Bolt	2
12-3	800350	Oil Bypass Joint Seal Washer	4

13. 150cc Engine

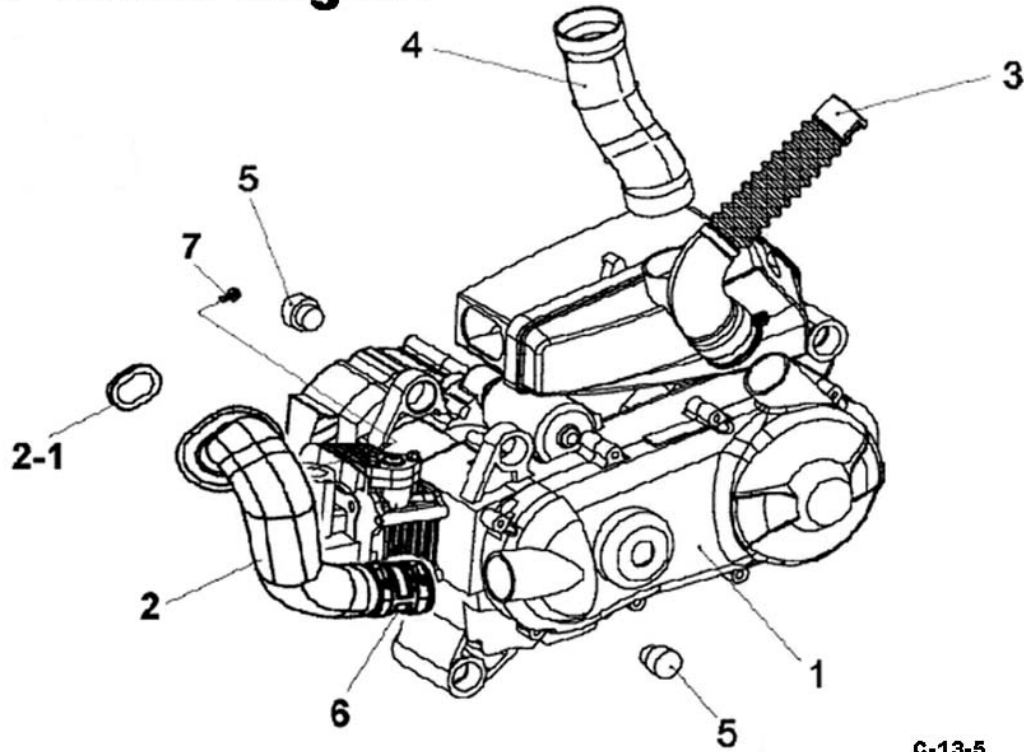


Fig Ref	Item No.	Description	Qty Req
13-1	810010	Engine 150cc	1
13-2	811393	C.V.T. Inlet Tube	1
13-2-1	811500	C.V.T. Inlet Tube Seal	1
13-3	800354	Exhaust Tube CVT	1
13-4	800355	Air Cleaner Case Duct	1
13-5	800497	Engine Rubber Plug	2
13-6	811394	C.V.T. Exhaust Tube Connector	1
13-7	650262	Bolt Washer & Nut (M6x18)	1

14. Exhaust System

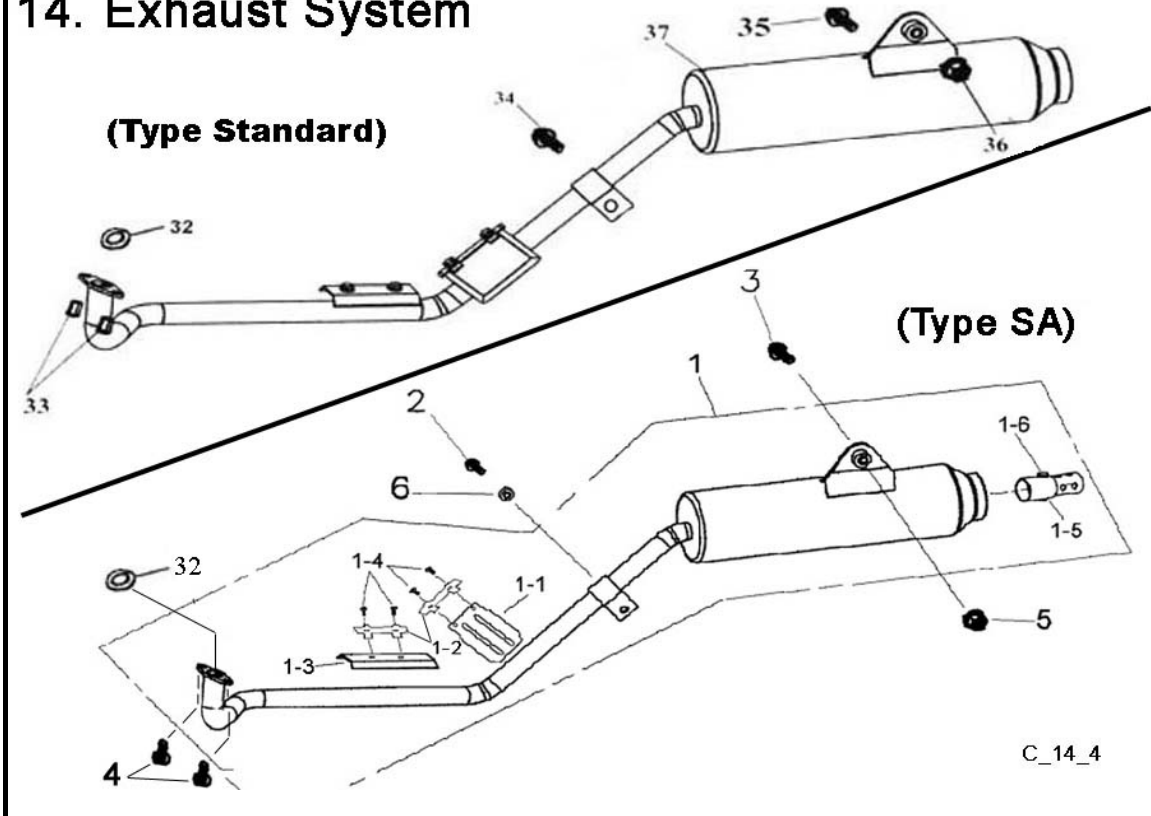


Fig Ref	Item No.	Description	Qty Req
14-1	811158	Exhaust Muffler Type (SA)	1
14-1-1	811459	Drive Chain Guard	1
14-1-2	800500	Locking Plate	2
14-1-3	811460	Exhaust Heat Shield	1
14-1-4	811461	Allen Bolt & Washer (M5x45)	4
14-1-5	811462	Spark Arrestor Screen	1
14-1-6	811463	Spark Arrestor Bolt (M6x12)	1
14-2	800352	Bolt & Washer (M8x20)	1
14-3	650256	Flange Bolt (M8 X 36)	1
14-4	800498	Nut (M611X16)	2
14-5	650279	Locking Flange Nut (M8x18)	1
14-32	800200	Exhaust Muffler Gasket	1
14-33	800498	Nut (M611X16)	2
14-34	800352	Bolt & Washer (M8x20)	1
14-35	650256	Flange Bolt (M8 X 36)	1
14-36	650279	Locking Flange Nut (M8x18)	1
14-37	800358	Exhaust Muffler	1

15. Frame

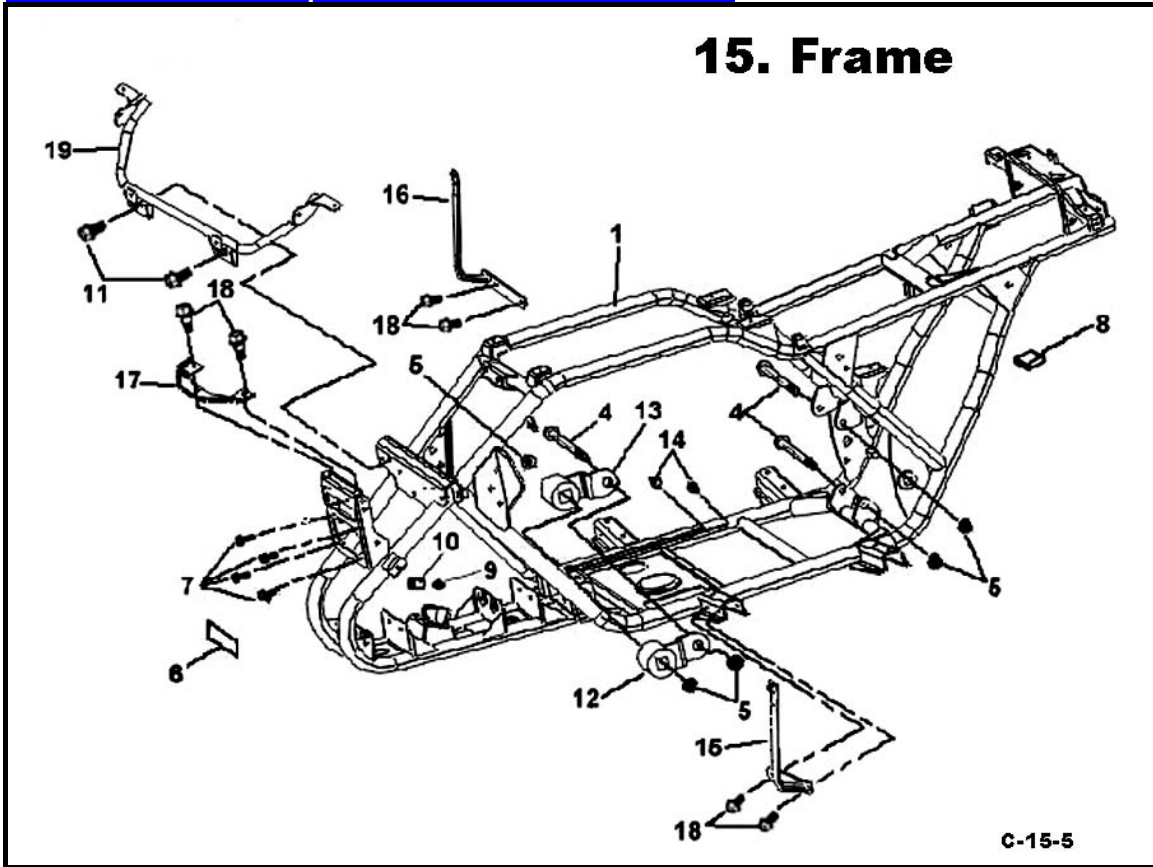


Fig Ref	Item No.	Description	Qty Req
15-1	811502	Viper 150R Frame	1
15-4	650254	Engine Set Bolt (M10 X 115)	3
15-5	650255	Locking Flange Nut (M10x19)	5
15-6	650306	MFD Label	1
15-7	810012	Flange Bolt (M6x80)	4
15-8	800502	Rubber Pad	1
15-9	650289	Grease Zerk	1
15-10	650290	Grease Zerk Cap	1
15-11	650294	Flange Bolt (M8 X 16)	2
15-12	800538	Engine Bracket (LH)	1
15-13	800539	Engine Bracket (RH)	1
15-14	800361	Button Cap Bolt (M10x50)	2
15-15	811412	Front Fender Bracket (LH)	1
15-16	811413	Front Fender Bracket (RH)	1
15-17	811411	Grill Mounting Bracket	1
15-18	650271	Flange Bolt (M6 X 12)	6
15-19	811410	Front Fender Bracket	1

16. Body Covers Trim & Seat

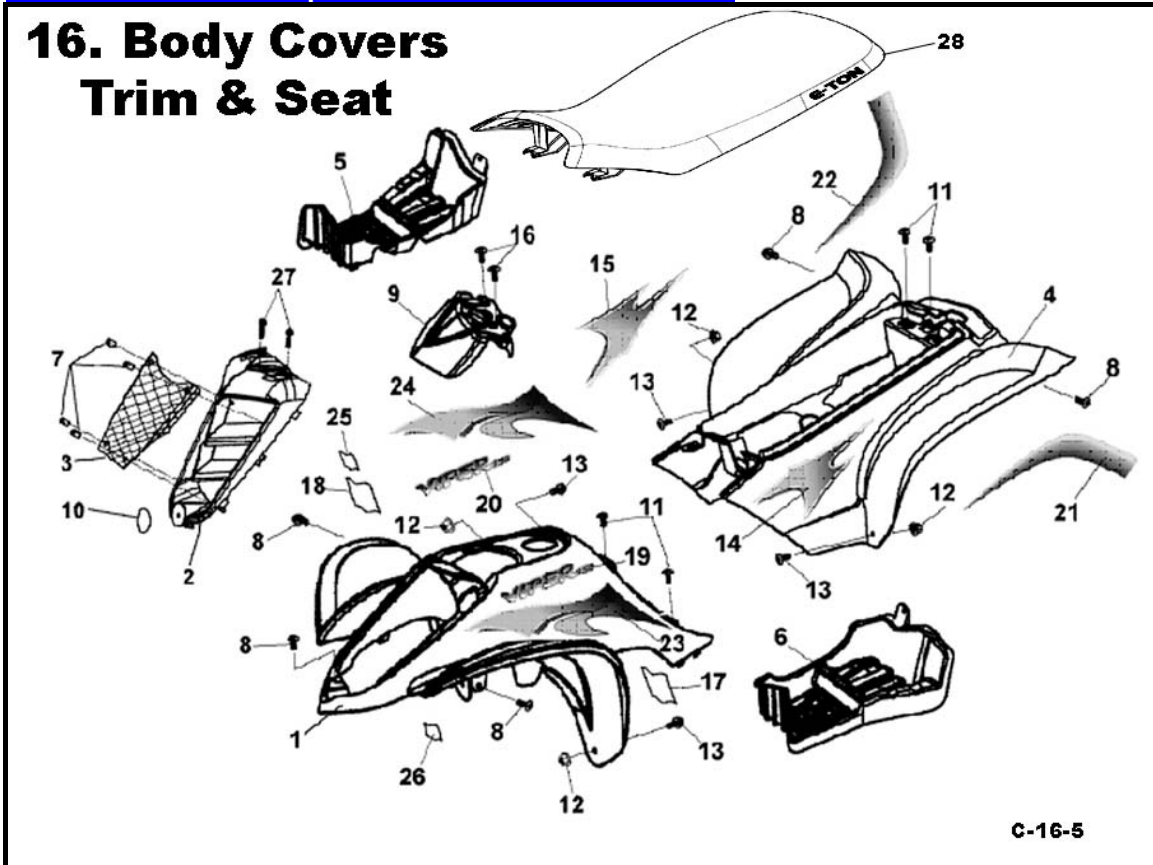
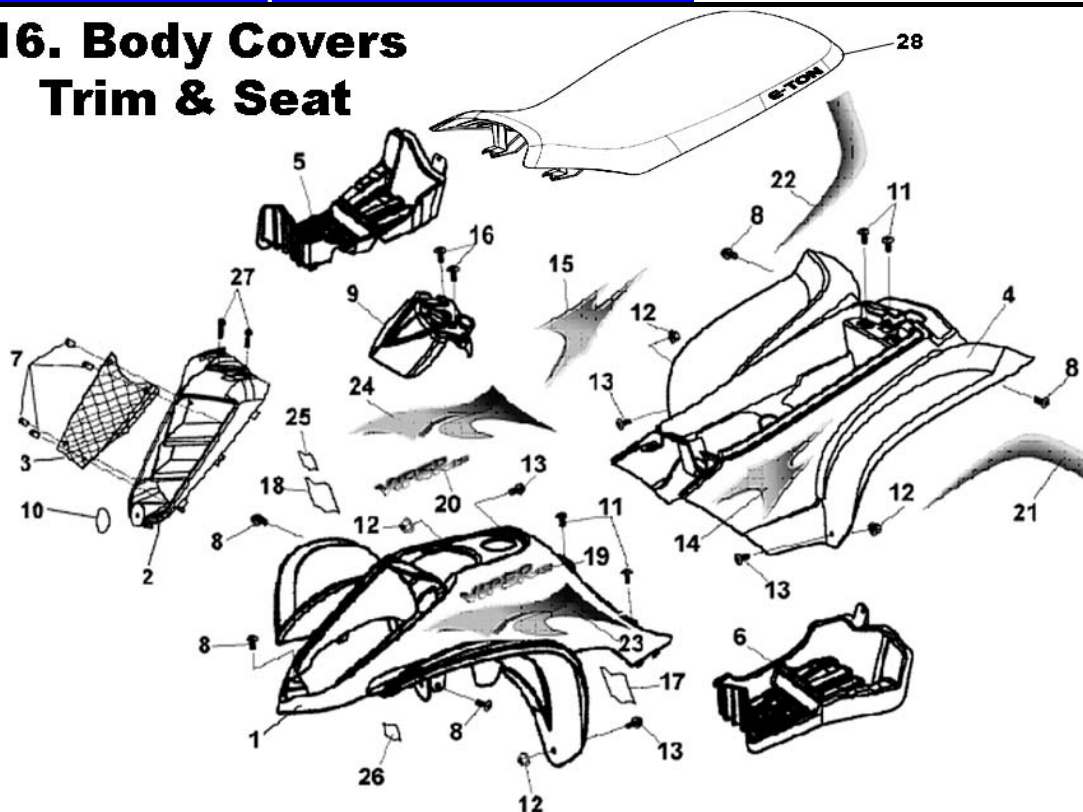


Fig Ref	Item No.	Description	Qty Req
16-1	811432	Front Body Cover (Black)	1
16-1	811433	Front Body Cover (Yellow)	1
16-1	811434	Front Body Cover (Blue)	1
16-2	811435	Front Grill Panel (Yellow)	1
16-2	811436	Front Grill Panel (Blue)	1
16-2	811537	Front Grill Panel (Silver)	1
16-3	811418	Grill Screen	1
16-4	811439	Rear Body Cover (Black)	1
16-4	811451	Rear Body Cover (Yellow)	1
16-4	811452	Rear Body Cover (Blue)	1
16-5	811440	Footrest (RH)	1
16-6	811441	Footrest (LH)	1
16-7	610062	Grill Screen Fastener	4
16-8	650262	Bolt Washer & Nut (M6x18)	5
16-9	811426	Handlebar Cover (Black)	1
16-9	811427	Handlebar Cover (Yellow)	1
16-9	811428	Handlebar Cover (Blue)	1
16-10	750270	E-TON Logo Emblem (Silver)	1
16-11	650307	Pan Head Bolt (M6 x 23)	4
16-12	800504	Locking Flange Nut (M6x11)	4
16-13	650901	Bolt & Washer (M6x20)	4
16-14	811503	Rear Body Graphic (Slv-LH)	1
16-14	811448	Rear Body Graphic (Ylw-LH)	1
16-14	811504	Rear Body Graphic (Red-LH)	1
16-15	811505	Rear Body Graphic (Slv-RH)	1
16-15	811449	Rear Body Graphic (Ylw-RH)	1

16. Body Covers Trim & Seat



C-16-5

Fig Ref	Item No.	Description	Qty Req
16-15	811506	Rear Body Graphic (Red-RH)	1
16-16	650399	Pan Head Bolt & Washer (M6x12)	2
16-17	813375	Warning Label	1
16-18	811179	Warning Label (Y16)	1
16-19	811442	Viper 150 Graphic	1
16-20	811442	Viper 150 Graphic	1
16-21	811446	Rear Body Graphic (LH)	1
16-22	811447	Rear Body Graphic (RH)	1
16-23	811507	Front Body Graphic (Slv-LH)	1
16-23	811444	Front Body Graphic (Ylw-LH)	1
16-23	811508	Front Body Graphic (Red-LH)	1
16-24	811509	Front Body Graphic (Slv-RH)	1
16-24	811445	Front Body Graphic (Ylw-RH)	1
16-24	811510	Front Body Graphic (Red-RH)	1
16-25	810244	Gear Shifting Warning Label	1
16-26	811184	Power Supply Label	1
16-27	800374	Plastic Fastener	2
16-28	811511	Seat (Slv/Blk)	1
16-28	811437	Seat (Ylw/Blk)	1
16-28	811512	Seat (Red/Blk)	1

17. A-Arms & Swing Arm

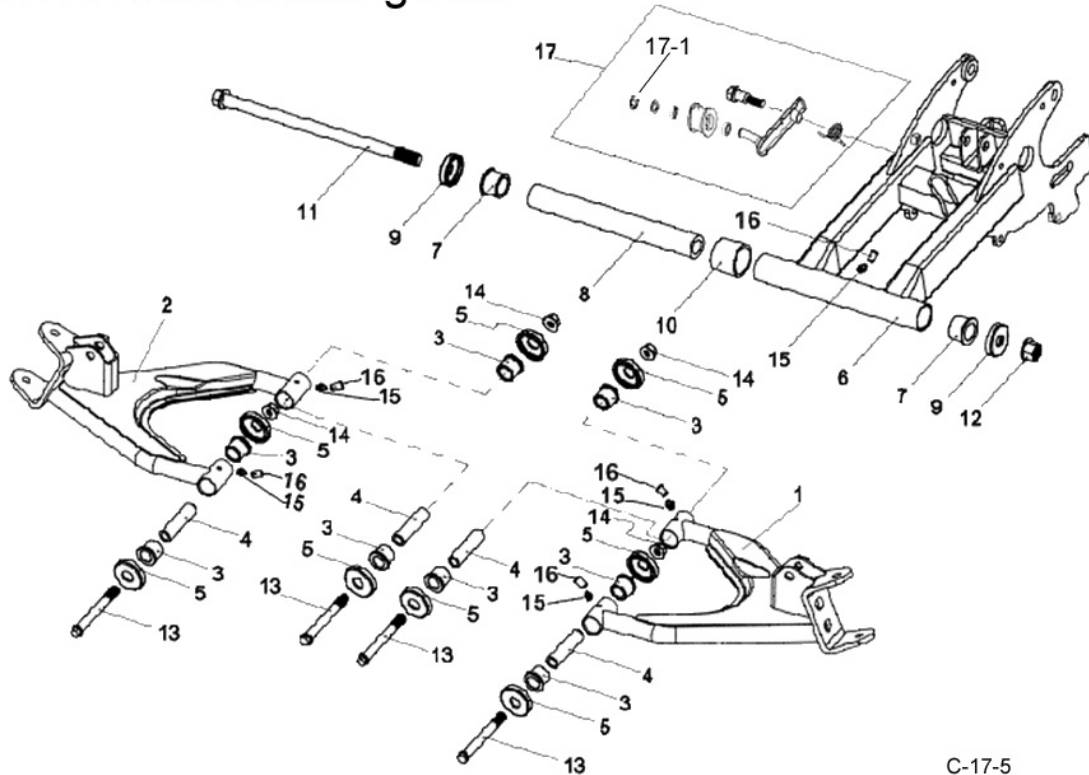
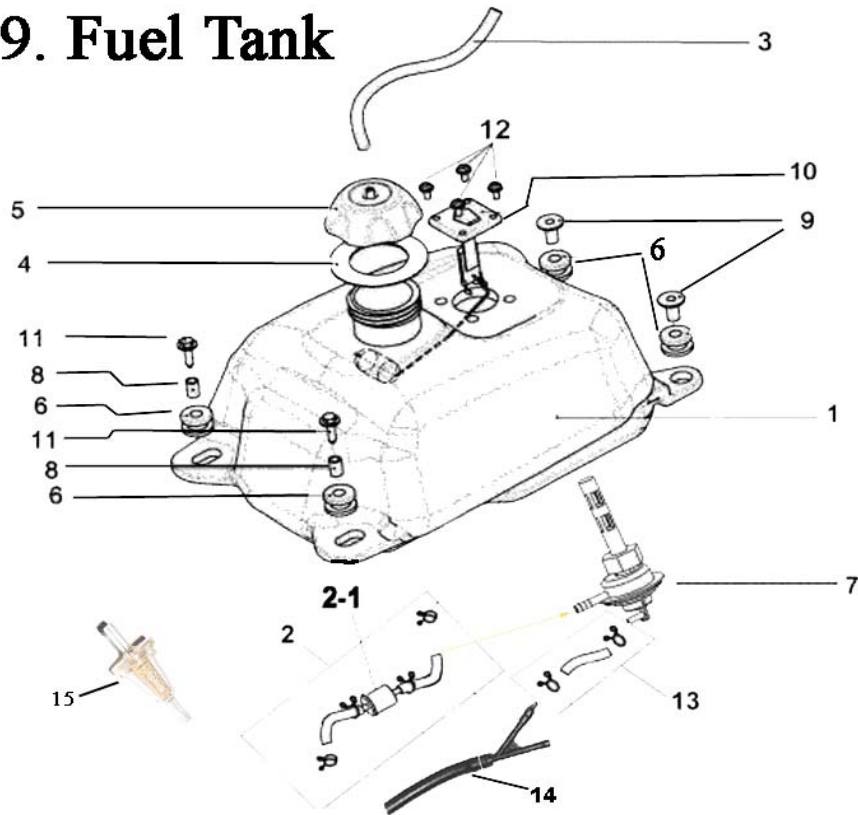


Fig Ref	Item No.	Description	Qty Req
17-1	810232	A-Arm (LH)	1
17-2	810233	A-Arm (RH)	1
17-3	800382	Suspension Arm Bushing	8
17-4	800383	Spacer	4
17-5	700237	Swing Arm Seal Cover	8
17-6	811513	Swing Arm	1
17-7	650273	Oil Containing Bushing (020)	2
17-8	800385	Spacer	1
17-9	650275	Swing Arm Seal Cover	2
17-10	800386	Bushing	1
17-11	800387	Flange Bolt (14x265mm)	1
17-12	650278	Locking Flange Nut (M14x25)	1
17-13	650905	Flange Bolt (M8 X 80)	4
17-14	650255	Locking Flange Nut (M10x19)	4
17-15	650289	Grease Zerk	5
17-16	650290	Grease Zerk Cap	5
17-17	811514	Chain Tentioner Assembly	1
17-17-1	811729	Circle Clip	1

19. Fuel Tank



C_19_4

Fig Ref	Item No.	Description	Qty Req
19-1	811389	Fuel Tank (PMX)	1
19-1	811333	Fuel Tank (Metal)	1
19-2	800001	Fuel Filter & Lines	1
19-2-1	800002	Fuel Filter Element	1
19-3	650853	Breather Tube	1
19-4	650861	Fuel Tank Cap Seal	1
19-5	650860	Fuel Tank Cap	1
19-6	800393	Fuel Tank Mounting Pad	4
19-7	810419	Fuel Petcock (Vacuum)	1
19-7	812554	Fuel Petcock (Manual)	1
19-9	800395	Fuel Tank Mounting Spacer	4
19-10	800397	Fuel Level Sending Unit	1
19-11	650940	Bolt & Washer (M6x25)	2
19-12	750308	Bolt & Washer (M5x16)	4
19-13	800563	Fuel Petcock Vacuum Line	1
19-14	800344	3-way Joint (3.5)	1

20. Shock Absorbers

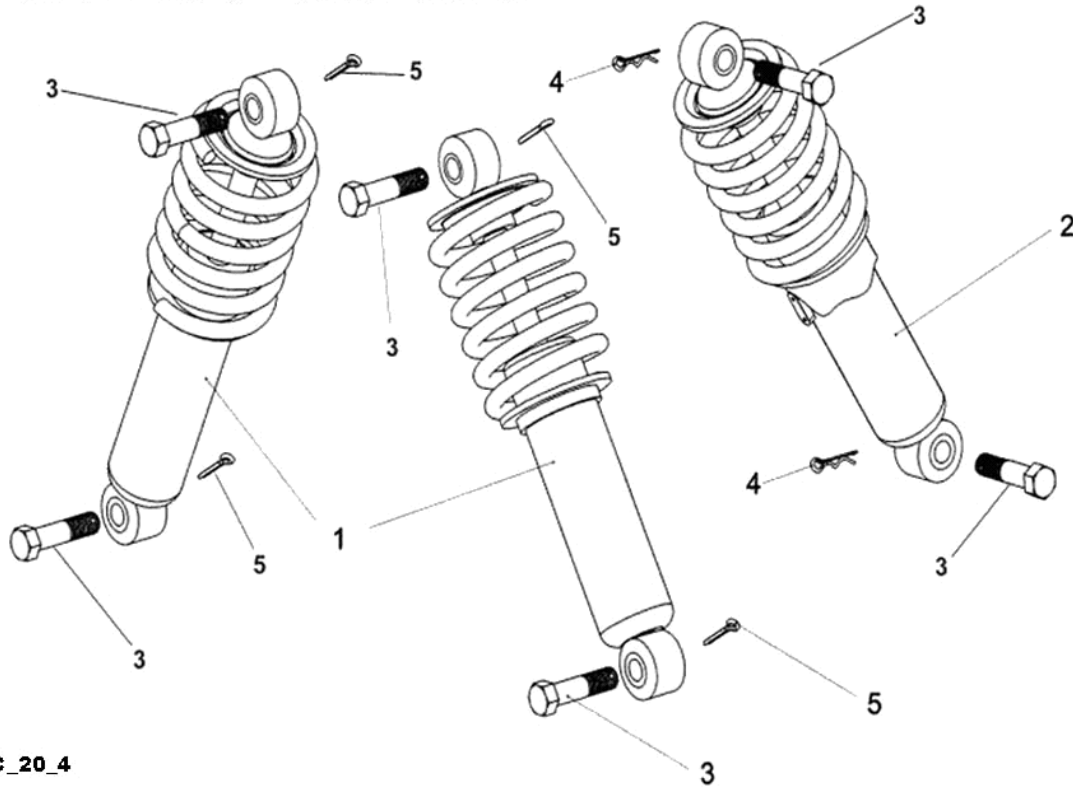


Fig Ref	Item No.	Description	Qty Req
20-1	810236	Shock Absorber (Black)	2
20-1	811422	Front Shock (Optional-LD) Ylw.	2
20-1	811540	Front Shock (Std.) Yellow	2
20-1	811541	Front Shock (Std.) Silver	2
20-2	810237	Rear Shock (Black)	1
20-2	811423	Rear Shock (Red)	1
20-3	650997	Pin Hole Bolt (M10 X 40)	6
20-4	750319	Hair Pin Cotter	2
20-5	650339	Cotter Pin (1/8 x 1)	4

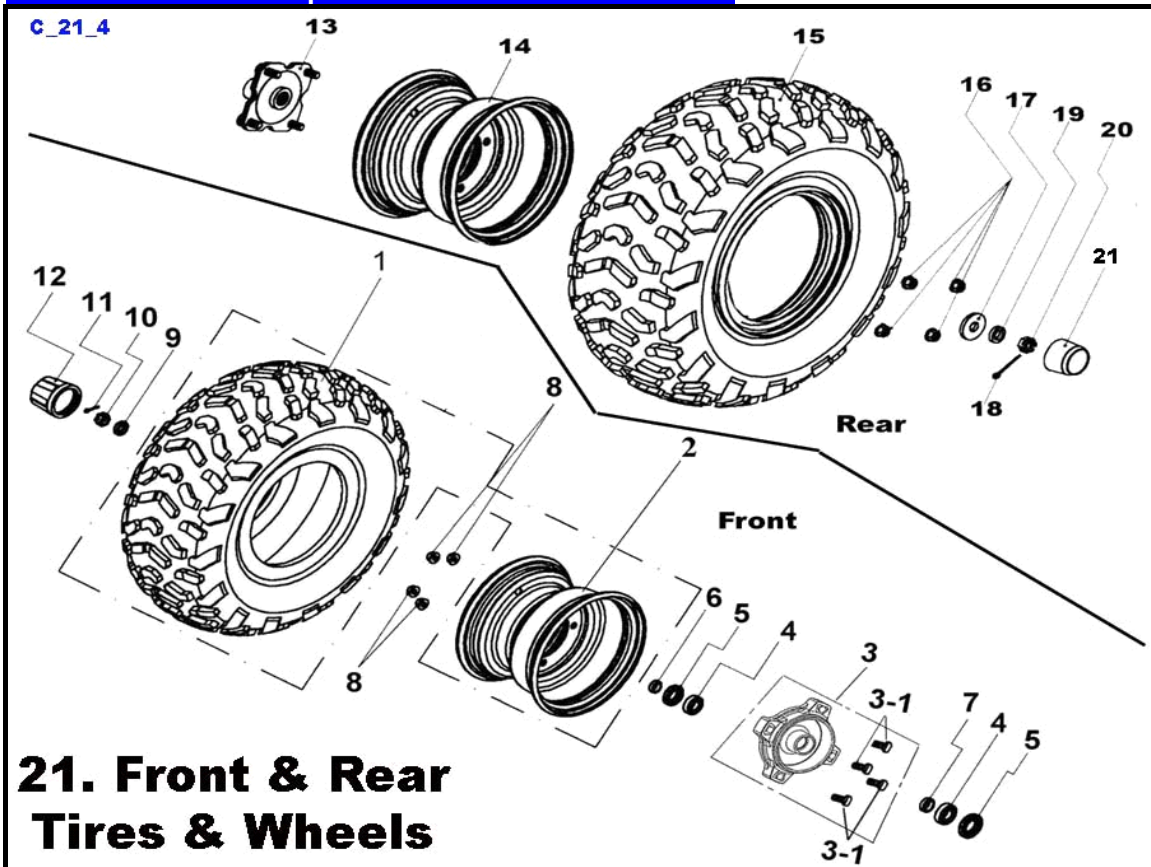


Fig Ref	Item No.	Description	Qty Req
21-1	811404	Tire (21*7x10)	2
21-2	811166	Wheel Rim (10 * 5.5")	2
21-3	810153	Front Brake Drum	2
21-3-1	650847	Stud Bolt (M10x38)	8
21-4	750385	Bearing (6003LU)	4
21-5	810154	Outer Oil Seal (24x35x7)	4
21-6	810155	Outer Spacer	2
21-7	810156	Inner Spacer	2
21-8	650961	Locking Flange Nut (M10x20)	8
21-9	800291	Flat Washer (M15x24x2)	2
21-10	800525	Castle Nut (M14x19)	2
21-11	811084	Cotter Pin	2
21-12	650843	Rubber Hub Cap	2
21-13	811402	Shaft Connector	2
21-14	811403	Wheel Rim (9x8")	2
21-15	811405	Tire (20*11-9)	2
21-16	650961	Locking Flange Nut (M10x20)	8
21-17	650368	Flat Washer (M14x40x5))	2
21-18	811084	Cotter Pin	2
21-20	811534	Castle Nut w/Flange (M14x30)	2
21-21	650353	Rubber Hub Cap	2

23. Front Brakes

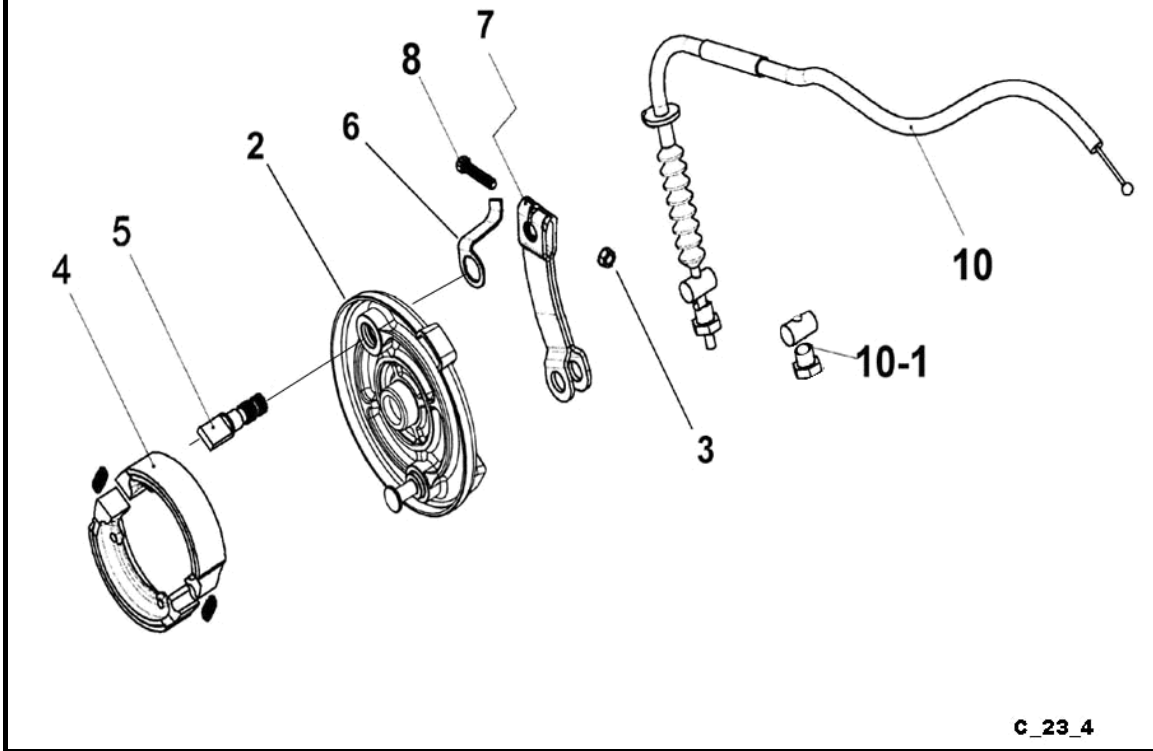


Fig Ref	Item No.	Description	Qty Req
23-2	810166	Front Brake Panel (RH)	1
23-2	810167	Front Brake Panel (LH)	1
23-3	750376	Flange Nut (M6x11)	2
23-4	810160	Front Brake Shoes	2
23-5	810161	Front Brake Arm Cam	2
23-6	810162	Front Brake Wear Indicator	2
23-7	810163	Front Brake Arm	2
23-8	650394	Bolt (M6 X 30)	2
23-10	810192	Front Brake Cable (LH)	1
23-10	811501	Front Brake Cable (RH)	1
23-10-1	810195	Brake Cable Adj Nut & Cylinder	2

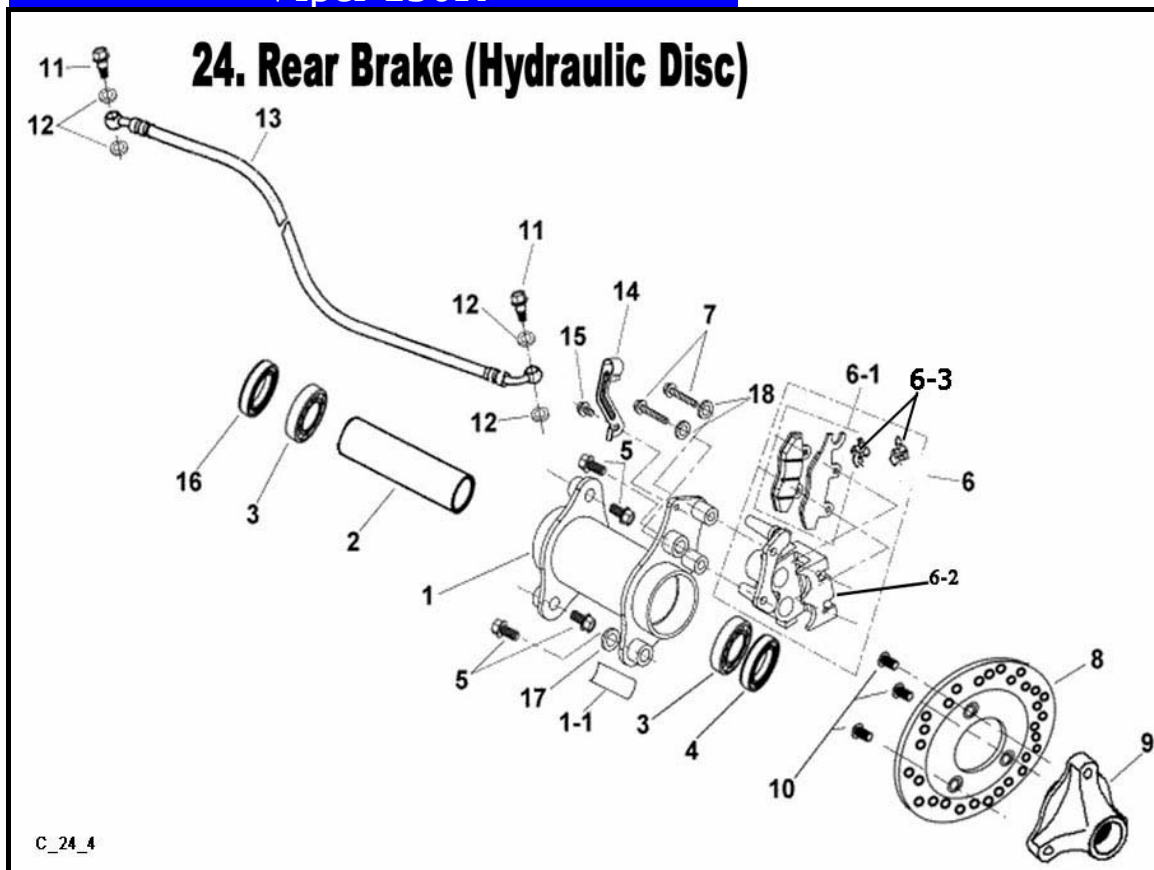


Fig Ref	Item No.	Description	Qty Req
24-1	810180	Rear Axle Bearing Seat	1
24-1-1	800514	Warning Label (Drive chain)	1
24-2	800409	Spacer	1
24-3	800410	Bearing (6007Z)	2
24-4	800411	Oil Seal [43x62x12]	1
24-5	810182	Flange Bolt (M12x36)	4
24-6	810183	Rear Disc Brake Caliper	1
24-6-1	810184	Disc Brake Pads (2)	1
24-6-2	811538	Bleeder Valve & Cap (150CC)	1
24-6-3	811469	Caliper Retainer Clip	1
24-7	650927	Flange Bolt (M8x35)	2
24-8	610144	Rear Brake Rotor	1
24-9	810185	Disc Brake Rotor Mounting Seat	1
24-10	750292	Allen Head Bolt (M10x20)	3
24-11	750314	Brake Hose Union Bolt	2
24-12	750309	Flat Washer (M10x12x1)	4
24-13	810186	Rear Hydraulic Brake Line	1
24-14	610148	Brake Line Clip	1
24-15	650271	Flange Bolt (M6 X 12)	1
24-16	800422	Oil Seal [48x62x7]	1
24-17	650400	Flat Washer (M13x25x5)	1
24-18	650424	Spring Washer (M8x14x2)	2

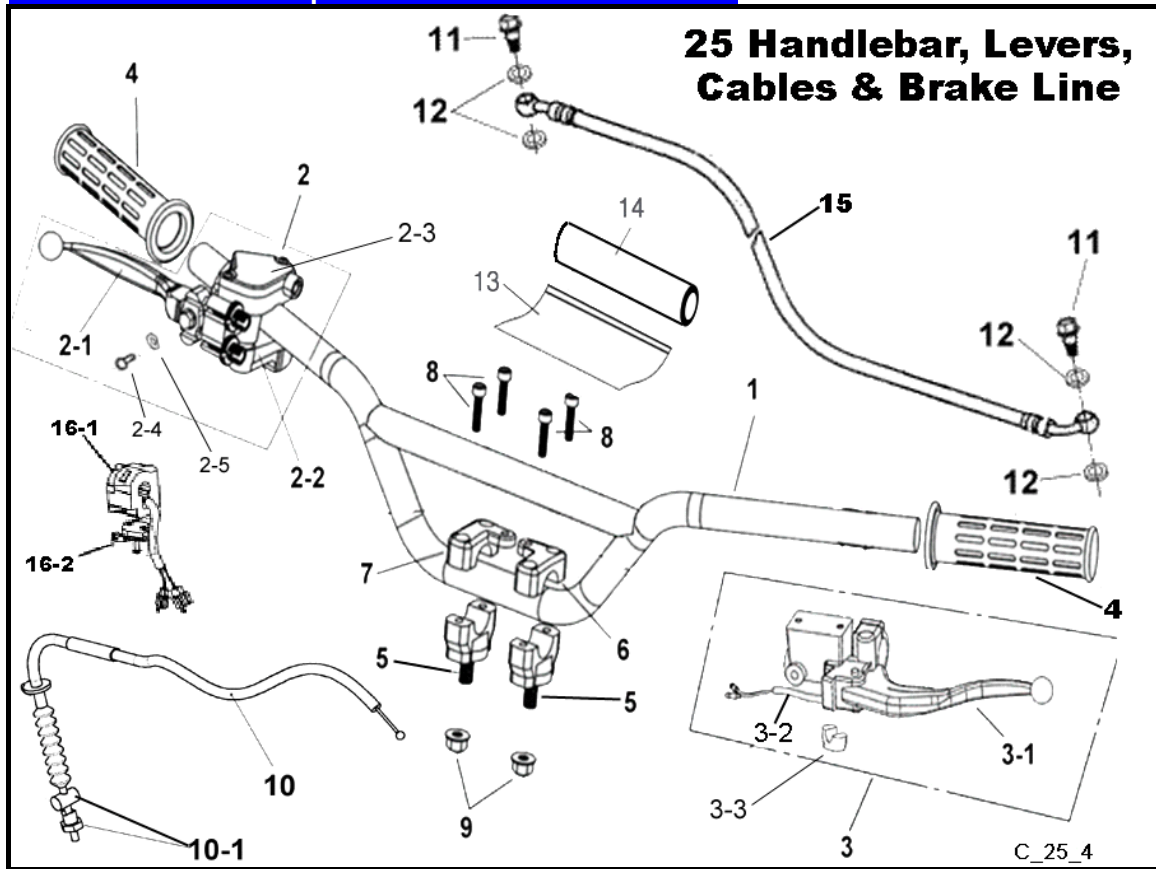


Fig Ref	Item No.	Description	Qty Req
25-1	610069	Handlebar	1
25-2	610154	Front Brake Lever (RH)	1
25-2-1	610151	Lever, (only-RH)	1
25-2-2	610150	Throttle Lever (RH)	1
25-2-3	812425	Throttle Cover Assembly	1
25-2-4	650135	Pan Head Bolt (M5x14)	1
25-2-5	813213	Nut (M5x8)	1
25-3	810190	Brake Master Cylinder & Lever	1
25-3-1	810561	Brake Lever (LH)	1
25-3-2	610152	Brake Switch Assembly	1
25-3-3	812416	Master Cylinder Bottom Clamp	1
25-4	650410	Handlebar Grip	2
25-5	650411	Handlebar Clamp (Bottom)	2
25-6	650412	Handlebar Clamp Cap (LH)	1
25-7	650413	Handlebar Clamp Cap (RH)	1
25-8	650558	Socket Bolt (M6 X 25)	4
25-9	650255	Locking Flange Nut (M10x19)	2
25-10	810192	Front Brake Cable (LH)	2
25-10-1	810195	Brake Cable Adj Nut & Cylinder	1
25-11	750314	Brake Hose Union Bolt M10x21	2
25-12	750309	Flat Washer (M10x12x1)	4
25-13	811055	Handlebar Pad Cover	1
25-13	813846	Handlebar Pad Cover (Black)	1
25-14	811056	Handlebar Pad	1
25-15	810186	Rear Hydraulic Brake Line	1
25-16-1	800454	Handlebar Switch	1

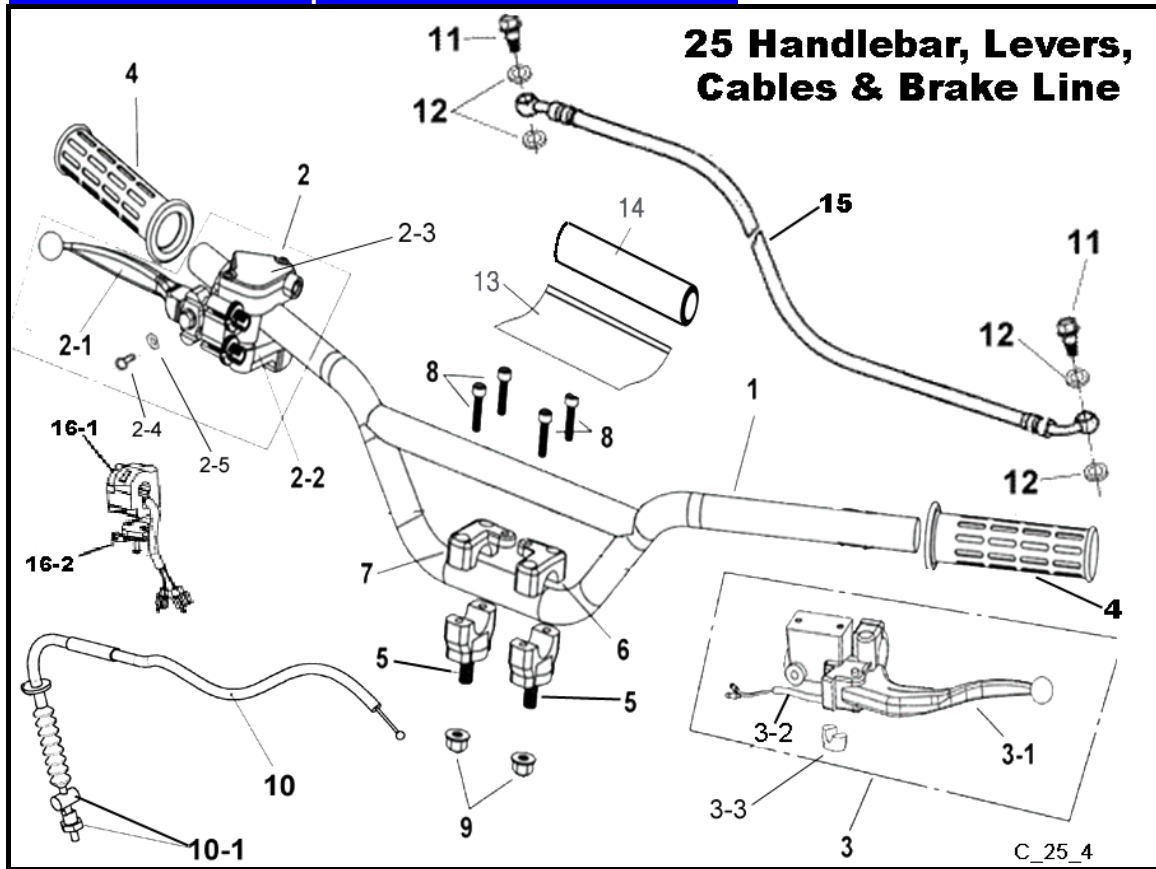
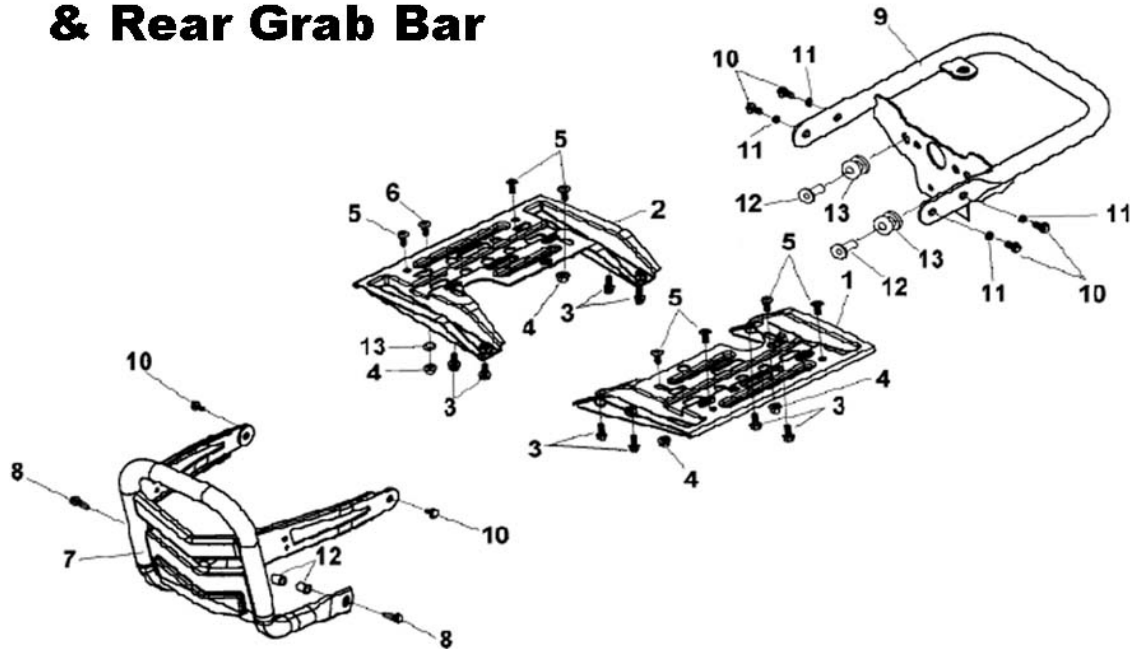


Fig Ref	Item No.	Description	Qty Req
25-16-2	811386	Manual Choke Lever	1

26. Front Bumper Footrests & Rear Grab Bar



C-26-5

Fig Ref	Item No.	Description	Qty Req
26-1	800428	Footrest Support (LH)	1
26-2	811421	Footrest Support (RH)	1
26-3	800352	Bolt & Washer (M8x20)	8
26-4	800504	Locking Flange Nut (M6x11)	4
26-5	650270	Button Head Bolt (M6x17)	7
26-6	650262	Bolt Washer & Nut (M6x18)	1
26-7	811415	Front Bumper	1
26-8	650927	Flange Bolt (M8x35)	2
26-9	811417	Rear Grab Bar	1
26-10	650294	Flange Bolt (M8 X 16)	6
26-11	650424	Spring Washer (M8x14x2)	4
26-12	811416	Bumper Collar	2
26-13	811438	Flanged Collar	2

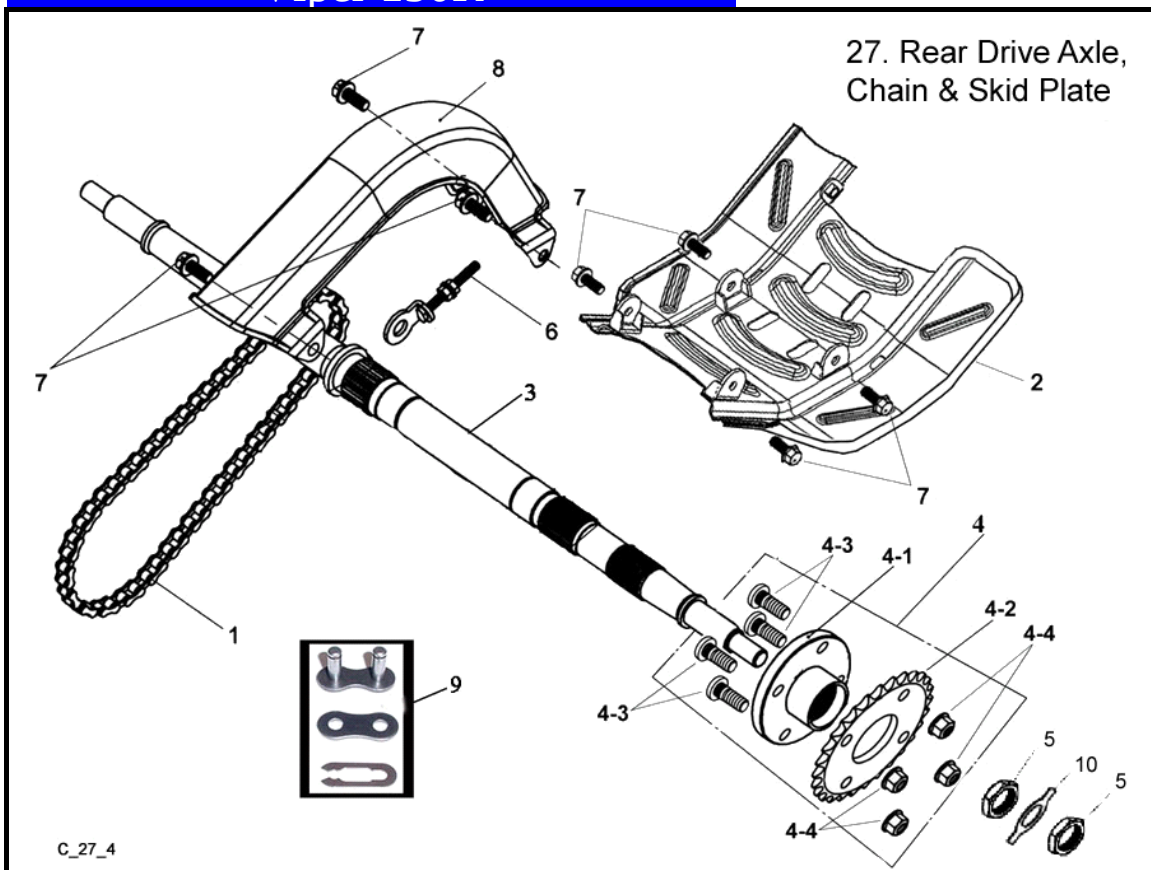


Fig Ref	Item No.	Description	Qty Req
27-1	810220	Drive Chain (O-Ring #520x78L)	1
27-2	810221	Drive Chain / Brake Skid Plate	1
27-3	800437	Rear Axle	1
27-4	800438	Rear Sprocket 520x34T & Holder	1
27-4-1	650554	Rear Sprocket Holder	1
27-4-2	810223	Rear Sprocket (520x34T)	1
27-4-3	650552	Stud Bolt (M10x25))	4
27-4-4	650255	Locking Flange Nut (M10x19)	4
27-5	800439	Rear Axle Nut (M33x55x14)	2
27-6	650966	Chain Adjuster	1
27-7	650294	Flange Bolt (M8 X 16)	7
27-8	800440	Drive Chain Cover	1
27-9	810593	Master Link #520 (O-Ring)	1
27-10	811554	Rear Axle Nut Lock Plate	1

28. Steering System

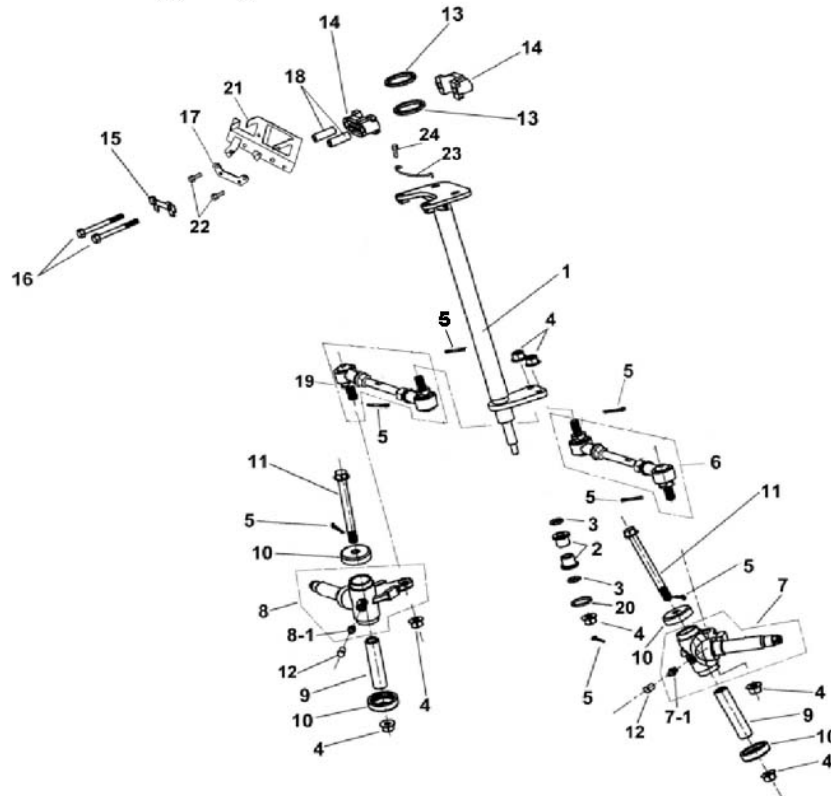
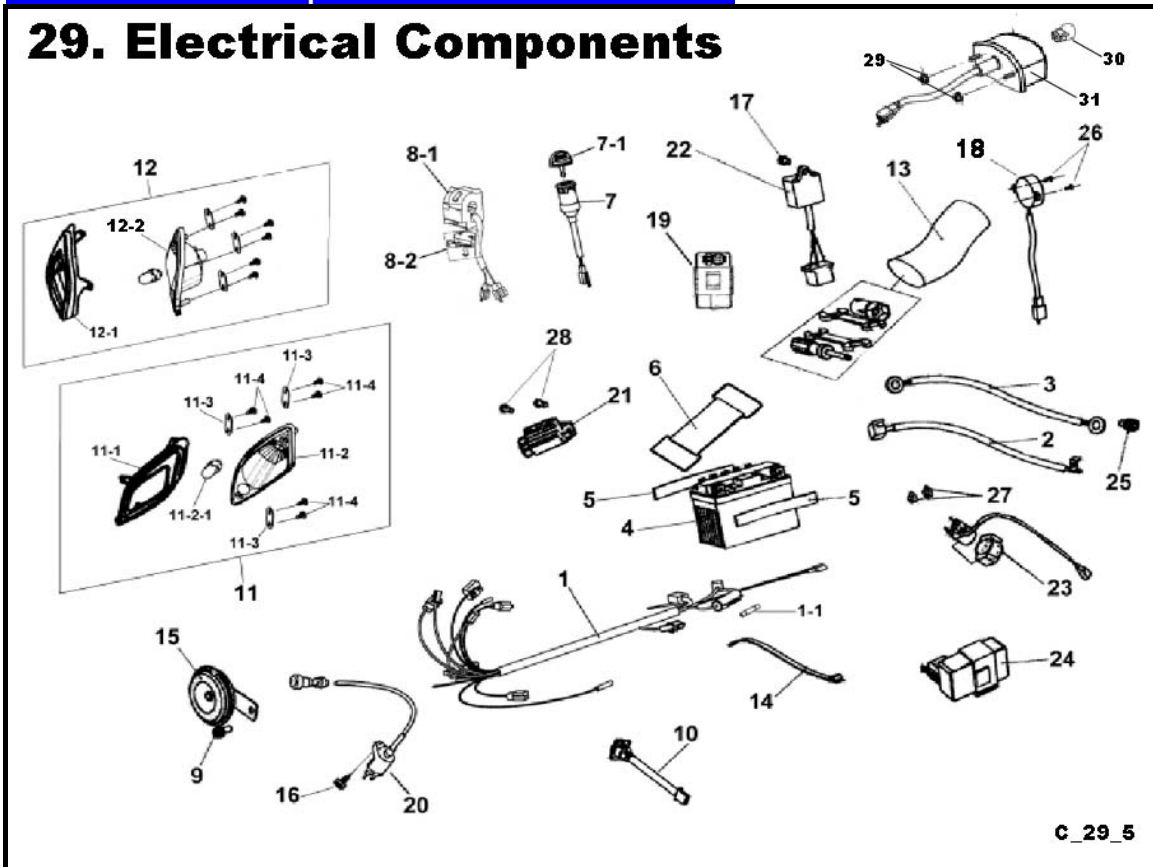


Fig Ref	Item No.	Description	Qty Req
28-1	811425	Steering Shaft	1
28-2	800442	Oil Liner	2
28-3	800443	O-Ring (w2.4xd14.8)	2
28-4	650255	Locking Flange Nut (M10x19)	7
28-5	650339	Cotter Pin (1/8 x 1)	7
28-6	810234	Steering Tie Rod (LH)	1
28-7	810231	Knuckle (LH)	1
28-7-1	650289	Grease Zerk	1
28-8	810230	Knuckle (RH)	1
28-8-1	650289	Grease Zerk	1
28-9	650744	Sleeve	2
28-10	800446	Steering Knuckle Dust Cap	4
28-11	650741	Pin Hole Bolt (M10 X 105)	2
28-12	650290	Grease Zerk Cap	2
28-13	800447	Oil Seal (M31x40x4)	2
28-14	800448	Steering Shaft Clamps	2
28-15	800449	Steering Shaft locking Plate	1
28-16	800426	Bolt (M8 X 60)	2
28-17	811429	Steering Shaft Holder	1
28-18	800451	Steering Collar	2
28-19	810235	Steering Tie Rod (RH)	1
28-20	750433	O-Ring 6.8x1.9	1
28-21	811430	Cable Race	1
28-22	650294	Flange Bolt (M8 X 16)	2
28-23	811518	Cable Race Strap	1
28-24	650262	Bolt Washer & Nut (M6x18)	1

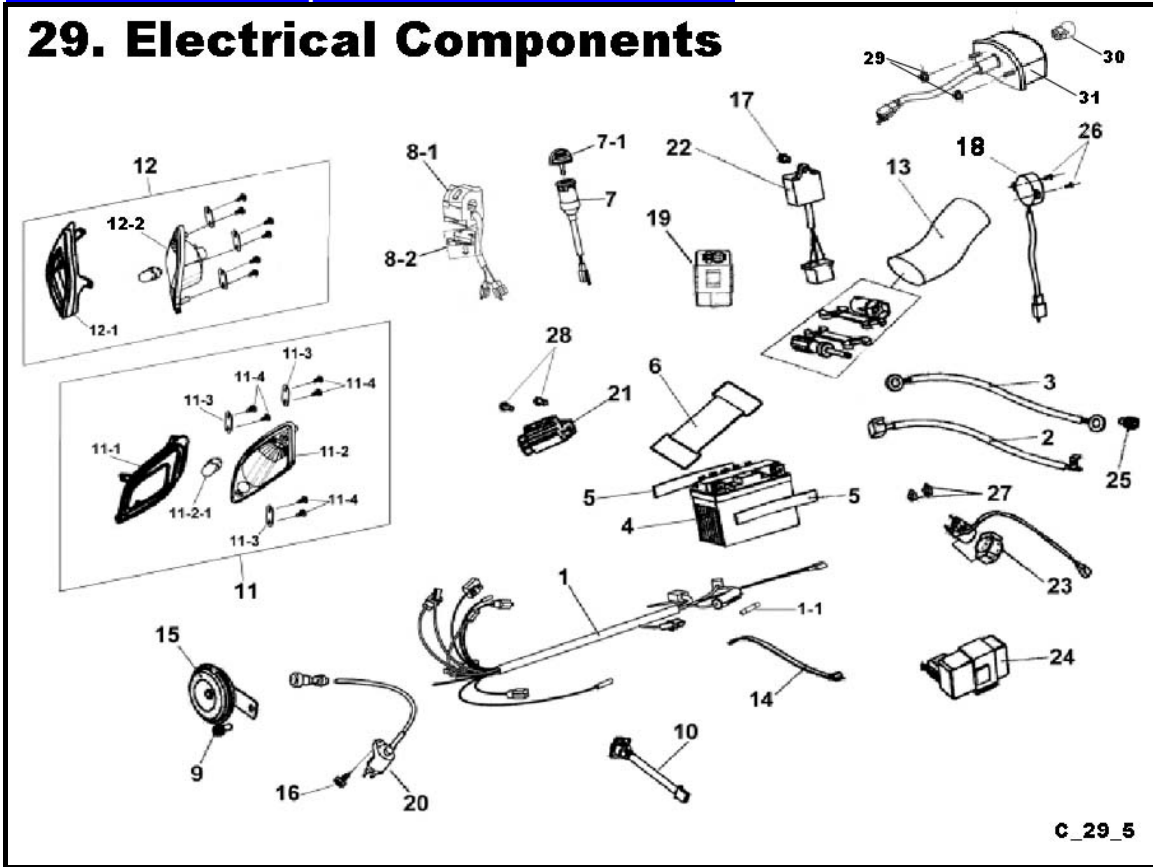
29. Electrical Components



C_29_5

Fig Ref	Item No.	Description	Qty Req
29-1	811396	Wiring Harness	1
29-1-1	810300	Fuse (10A)	1
29-2	800523	Positive Battery Terminal Cabl	1
29-3	813588	Negative Cable	1
29-4	800453	Battery (WP9-BS)	1
29-5	650723	Foam Pad	2
29-6	650721	Battery Strap	1
29-7	650720	Ignition Key Switch (4wire)	1
29-7-1	810009	Blank Key (RH Cut)	1
29-7-1	610009	Blank Key (Left Cut)	1
29-8-1	800454	Handlebar Switch	1
29-8-2	811386	Manual Choke Lever	1
29-9	650453	Pan Head Bolt & Washer (M6x16)	1
29-10	811162	Auxiliary Power Outlet	1
29-11	811520	Head Light Assembly (LH)	1
29-11-1	811400	Head Light Cover (LH)	1
29-11-2	811397	Head Light (LH)	1
29-11-2-1	811521	Bulb Running Light (12v/10w)	2
29-11-3	811414	Head Light Holder	6
29-11-4	800433	Self-Tapping Screw (M4x10)	12
29-12	811522	Head Light Assembly (RH)	1
29-12-1	811401	Head Light Cover (RH)	1
29-12-2	811398	Head Light (RH)	1
29-13	800457	Tool Pack	1
29-14	650451	Wire Zip Ties	1
29-15	650975	Horn	1

29. Electrical Components



C_29_5

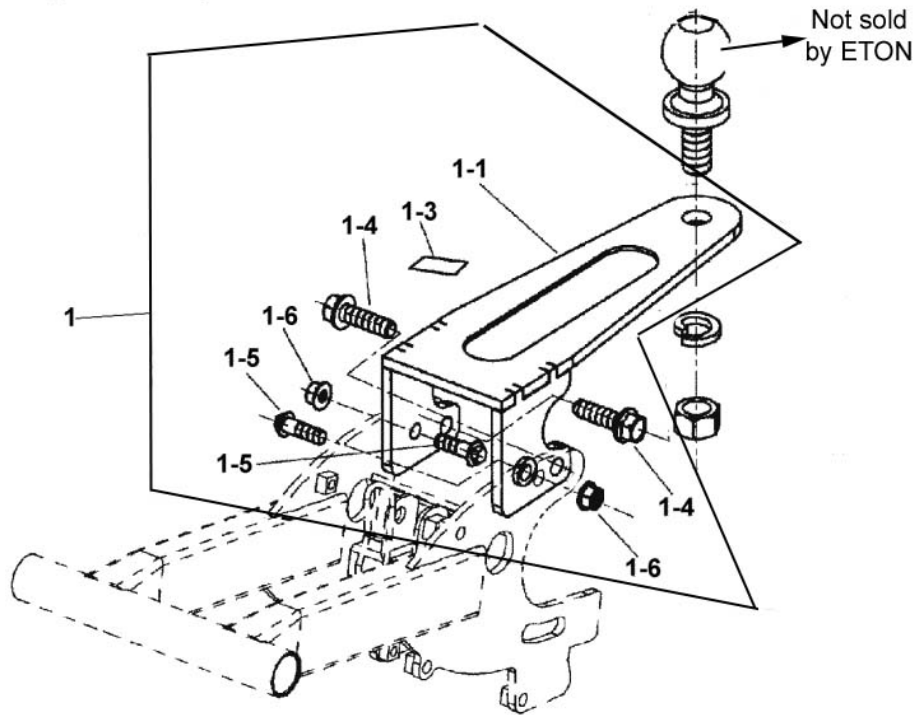
Fig Ref	Item No.	Description	Qty Req
29-16	610116	Bolt & Washer (M5x20)	1
29-17	650946	Pan Head Bolt (M6x12)	1
29-18	810102	Backup Safety Horn	1
29-19	810238	C.D.I. Module	1
29-20	800496	Ignition Coil	1
29-21	750175	Rectifier	1
29-22	800528	P.T.C. Controller	1
29-23	800465	Starter Relay	1
29-24	800468	Light Control Module	1
29-25	650399	Pan Head Bolt & Washer (M6x12)	1
29-26	811523	Pan Head Bolt (M3x12)	2
29-27	750334	Nut (M6x10)	2
29-28	750299	Bolt (M5x19)	2
29-29	800504	Locking Flange Nut (M6x11)	2
29-30	610031	Tail Light Bulb (12Vx21/5w)	1
29-31	811399	Brake/Tail Light	1

30. Accessories



Fig Ref	Item No.	Description	Qty Req
30-1	811450	Owners Manual (Viper 150)	1
30-2	800529	Tire Pressure Gage	1
30-3	610009	Blank Key (Left Cut)	1
30-4	810009	Blank Key (RH Cut)	1
30-5	800457	Tool Pack	1
30-6	650727	Tool Kit Retainer Strap	1
30-7	811162	Auxiliary Power Outlet	1
30-8	813783	Handlebar Grip Set (Blk/Blue)	1
30-8	813784	Handlebar Grip Set (Blk/Gray)	1
30-8	813785	Handlebar Grip Set (Blk/Ylw)	1
30-8	813786	Handlebar Grip Set (Blk/Red)	1
30-9	812067	Hitch Ball 1-7/8" (M47.3)	1
30-9	812068	Hitch Ball 2" (M49.75)	1
NP	200121	Viper RXL-150 Parts Catalog	1
NP	200028	150CC Service Manual	1
NP	200123	Viper 150 Digital Reference CD	1

31. Light Duty Hitch



C_31_04

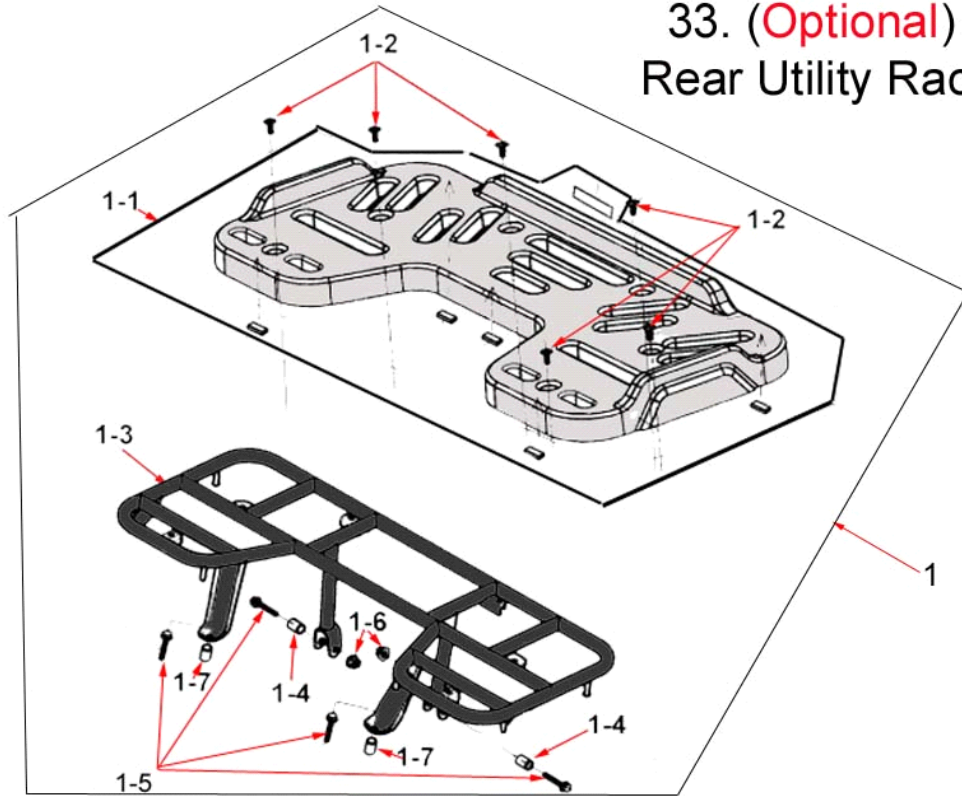
Fig Ref	Item No.	Description	Qty Req
31-1-1	811198	Light Duty Hitch Plate	1
31-1	811197	Light Duty Hitch Kit 150cc	1
31-1-3	811182	Warning Label (Max Weight)	1
31-1-4	800513	Flange Bolt (M12x40)	1
31-1-5	650911	Flange Bolt (M10x30)	1
31-1-6	650255	Locking Flange Nut (M10x19)	1

32. (Optional) Heavy Duty Hitch



Fig Ref	Item No.	Description	Qty Req
32-01	990001	** N/A - Heavy Duty Hitch	1

33. (Optional) Rear Utility Rack



V150_33_5

Fig Ref	Item No.	Description	Qty Req
33-1	811454	Rear Tote Rack V150R	1
33-1-1	810201	Rear Rack Cover	1
33-1-2	650943	Button Head Bolt (M6x18)	6
33-1-3	811548	Rear Rack Frame	1
33-1-4	650753	Rear Rack Collar	2
33-1-5	700273	Flange Bolt (M8x40)	4
33-1-6	800560	Locking Flange Nut (M8x13)	2
33-1-7	811416	Bumper Collar	2