



ETON America

PARTS CATALOG

Viper 150R '09

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01. Crankcase

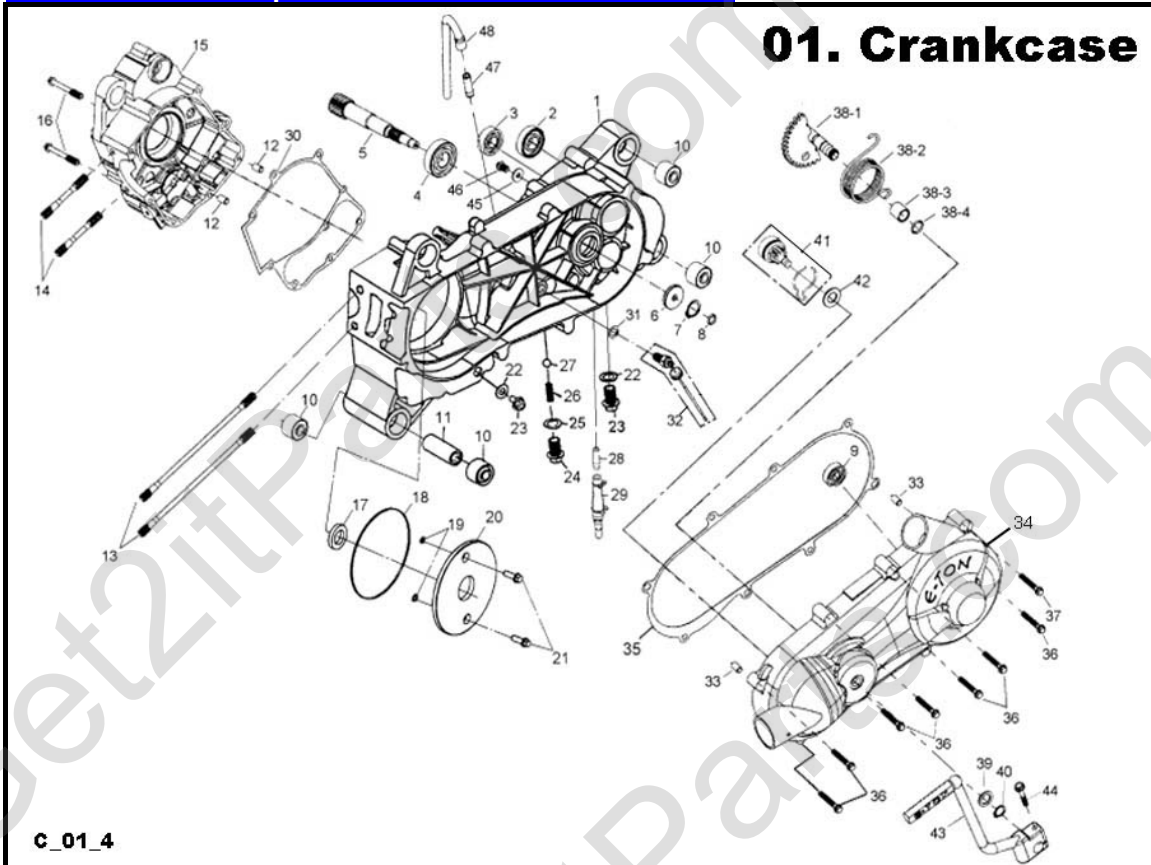
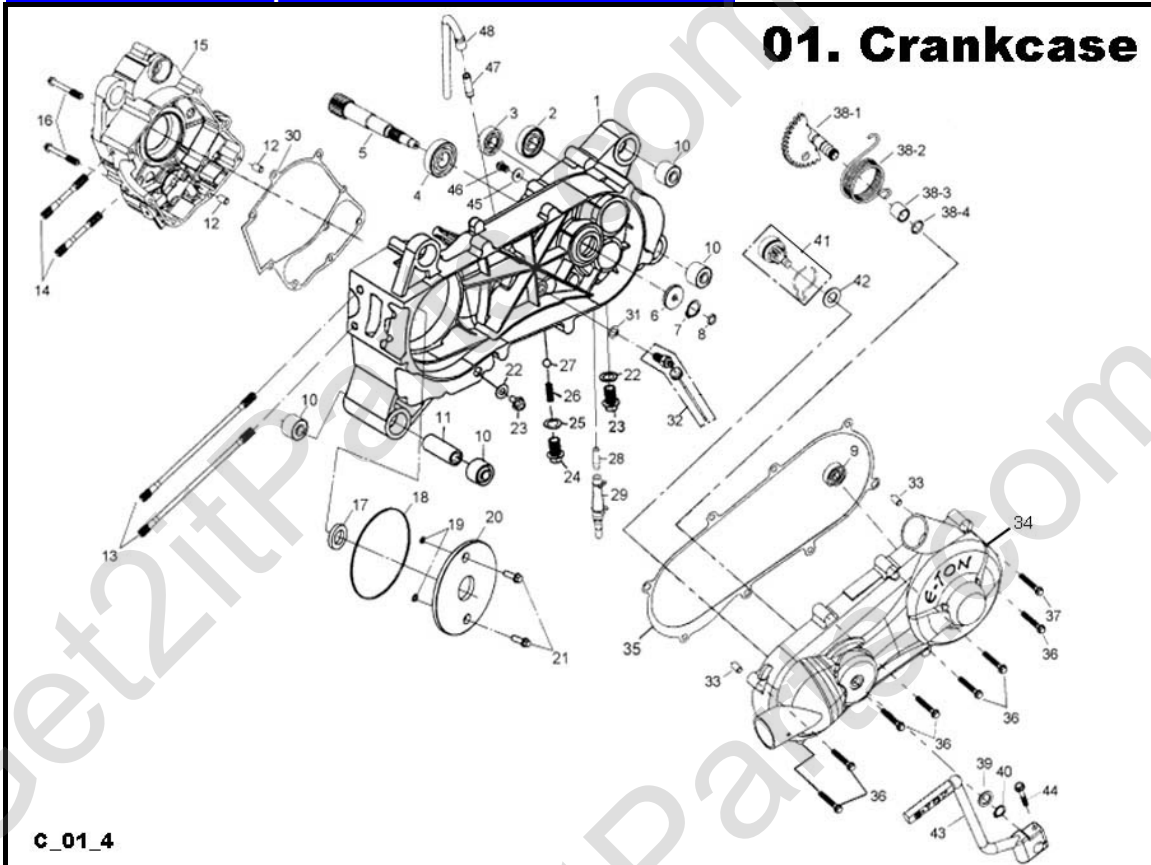


Fig Ref	Item No.	Description	Qty Req
1-1	800101	Crankcase (LH)	1
1-2	750389	Radial Ball Bearing (6203)	1
1-3	750388	Radial Ball Bearing (6202)	1
1-4	650111	Radial Ball Bearing (6204)	1
1-5	800103	Drive Shaft	1
1-6	800279	Oil Seal (M20x32x6)	1
1-7	650223	Circle-Clip #20	1
1-8	800470	O-Ring (9x24)	1
1-9	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

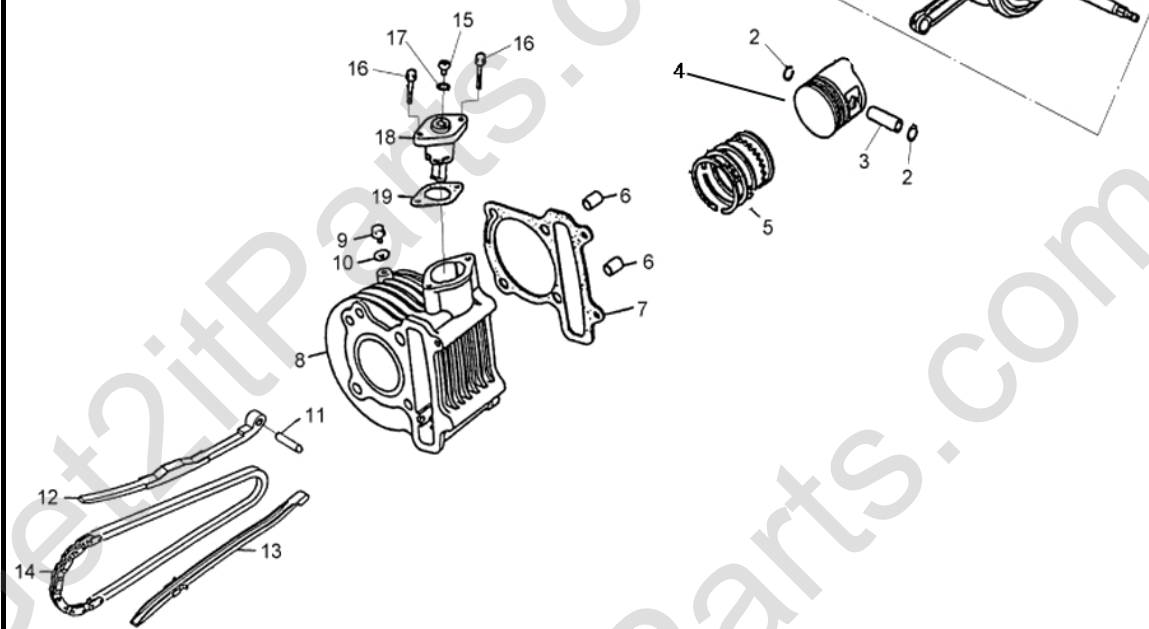
01. Crankcase



C_01_4

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

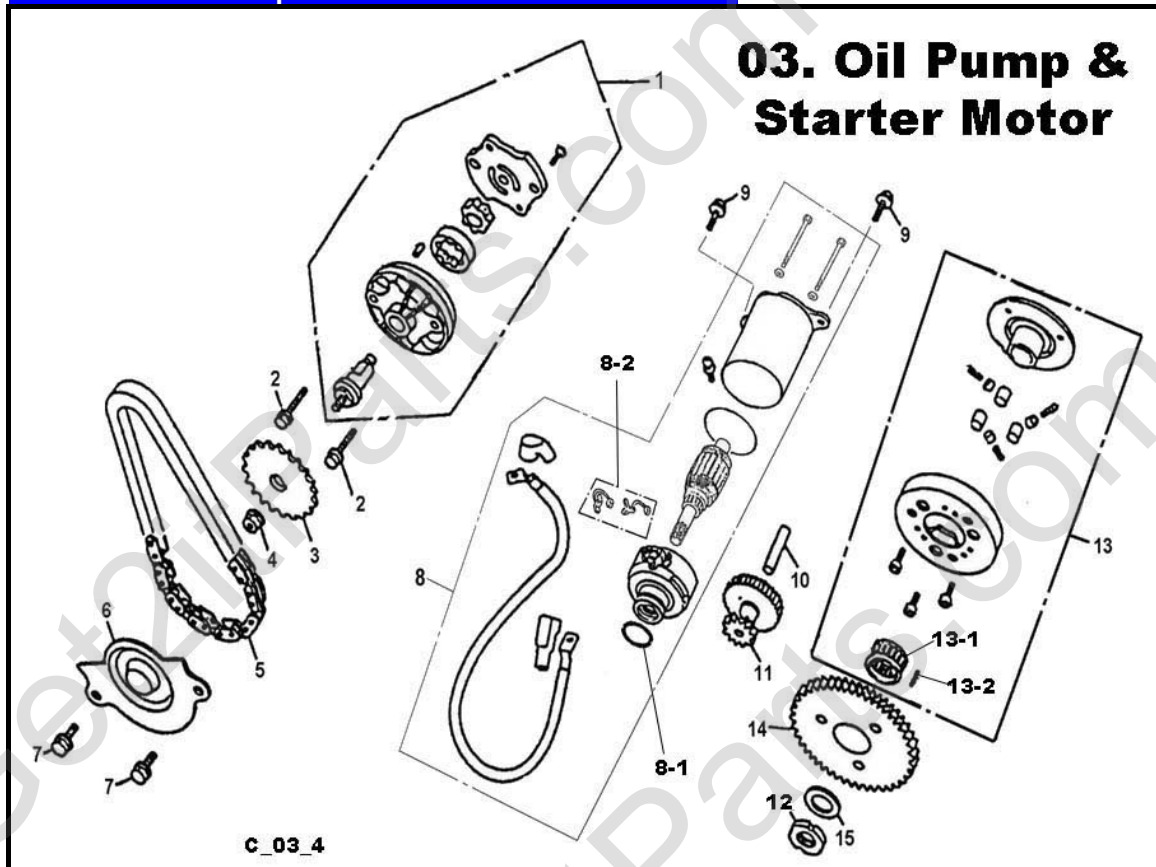
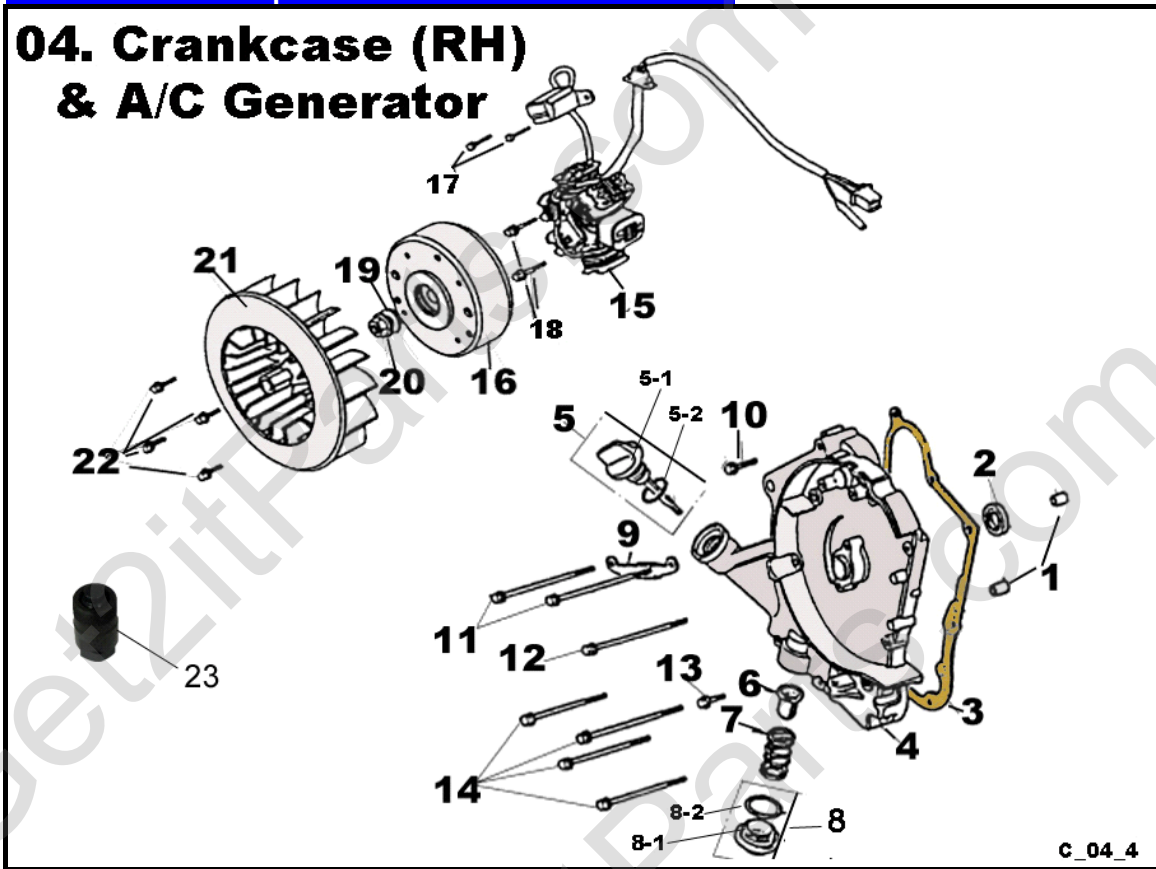


Fig Ref	Item No.	Description	Qty Req
3-1	800165	Oil Pump 150cc	1
3-2	800172	Pan Head Bolt (M6x30)	2
3-3	800173	Oil Pump Drive Sprocket	1
3-4	800480	Flange Nut (M6x11)	1
3-5	800174	Oil Pump Chain	1
3-6	800175	Oil Separator	1
3-7	800141	Flange Bolt SH (M6x12)	2
3-8	800176	Starter Motor	1
3-8-1	811473	O-Ring (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



C_04_4

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

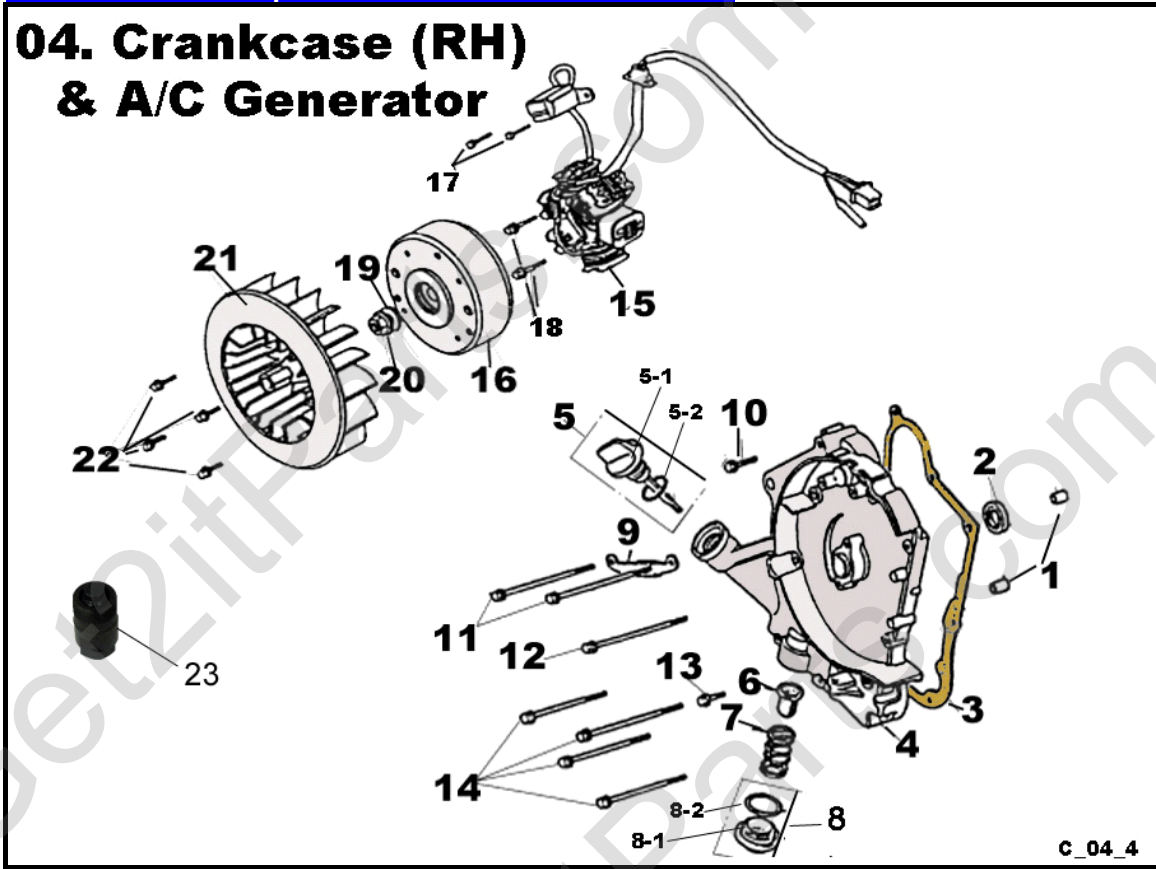


Fig Ref	Item No.	Description	Qty Req
4-23	814120	Flywheel Puller Tool	1

05. Head, Head Cover Cam Shaft, Valves

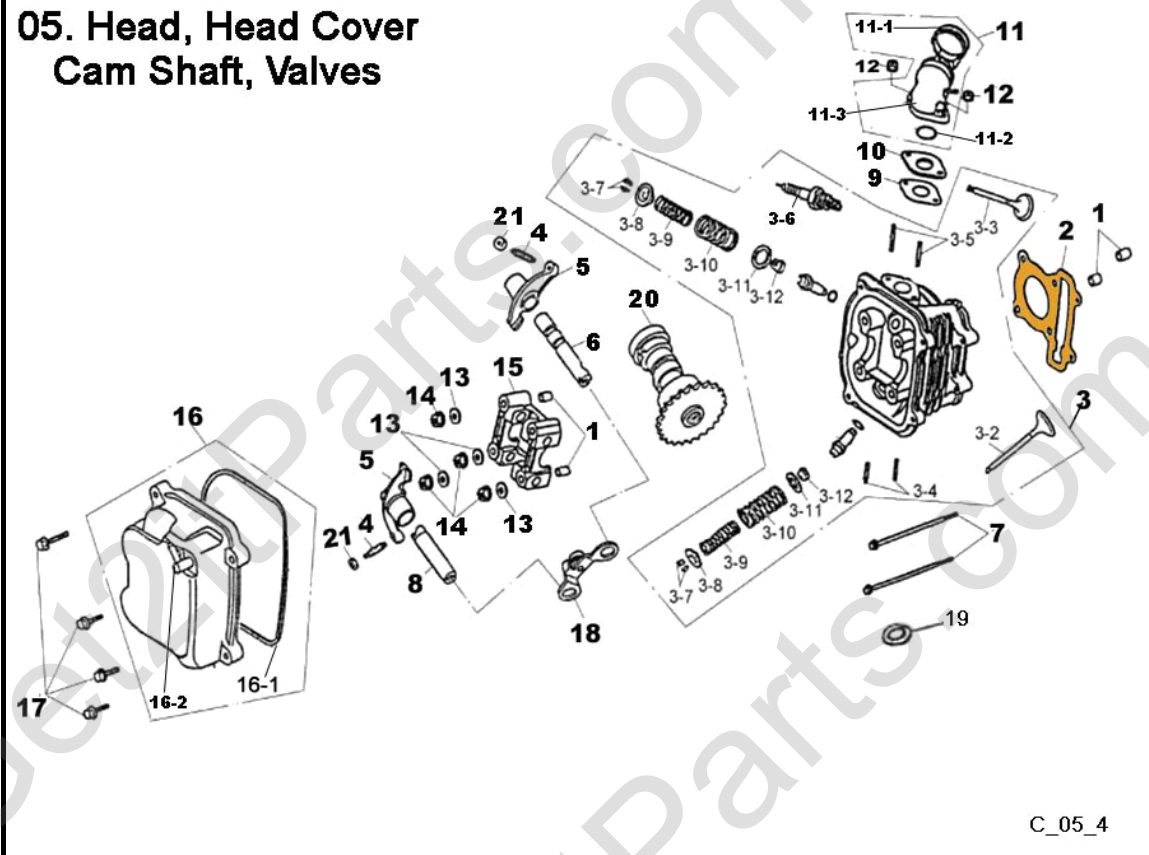
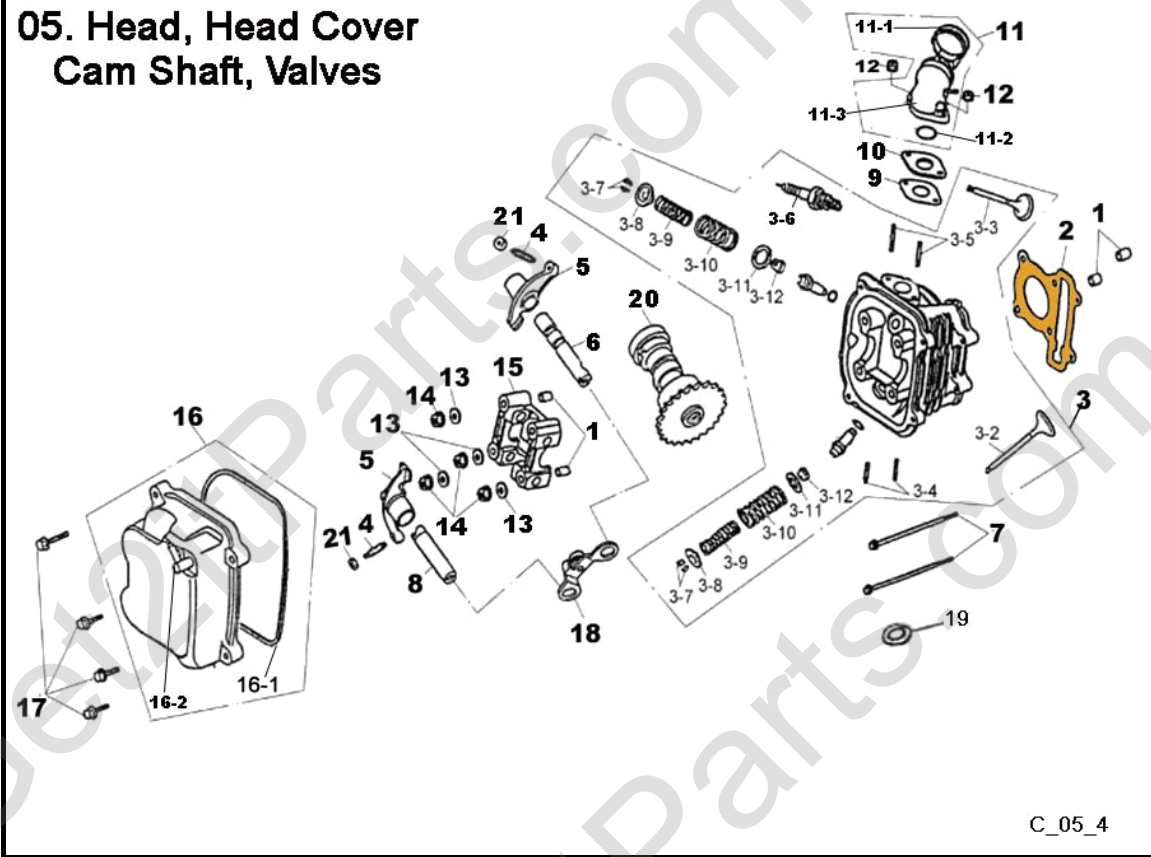


Fig Ref	Item No.	Description	Qty Req
5-1	650158	Dowel Pin (M10x14)	4
5-2	800195	Cylinder Head Gasket 150cc	1
5-3	800198	Cylinder Head 150cc	1
5-3-2	800196	Exhaust Valve	1
5-3-3	800197	Intake Valve	1
5-3-4	810241	Stub Bolt No:003 (M6x27)	2
5-3-5	800202	Stud Bolt (M6x50)	2
5-3-6	800199	Spark Plug (C7HSA)	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
5-11-1	811480	Intake Manifold Clamp	1
5-11-2	811481	O-Ring	1
5-11-3	811524	Intake Manifold	1
5-12	800480	Flange Nut (M6x11)	2

05. Head, Head Cover Cam Shaft, Valves



C_05_4

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

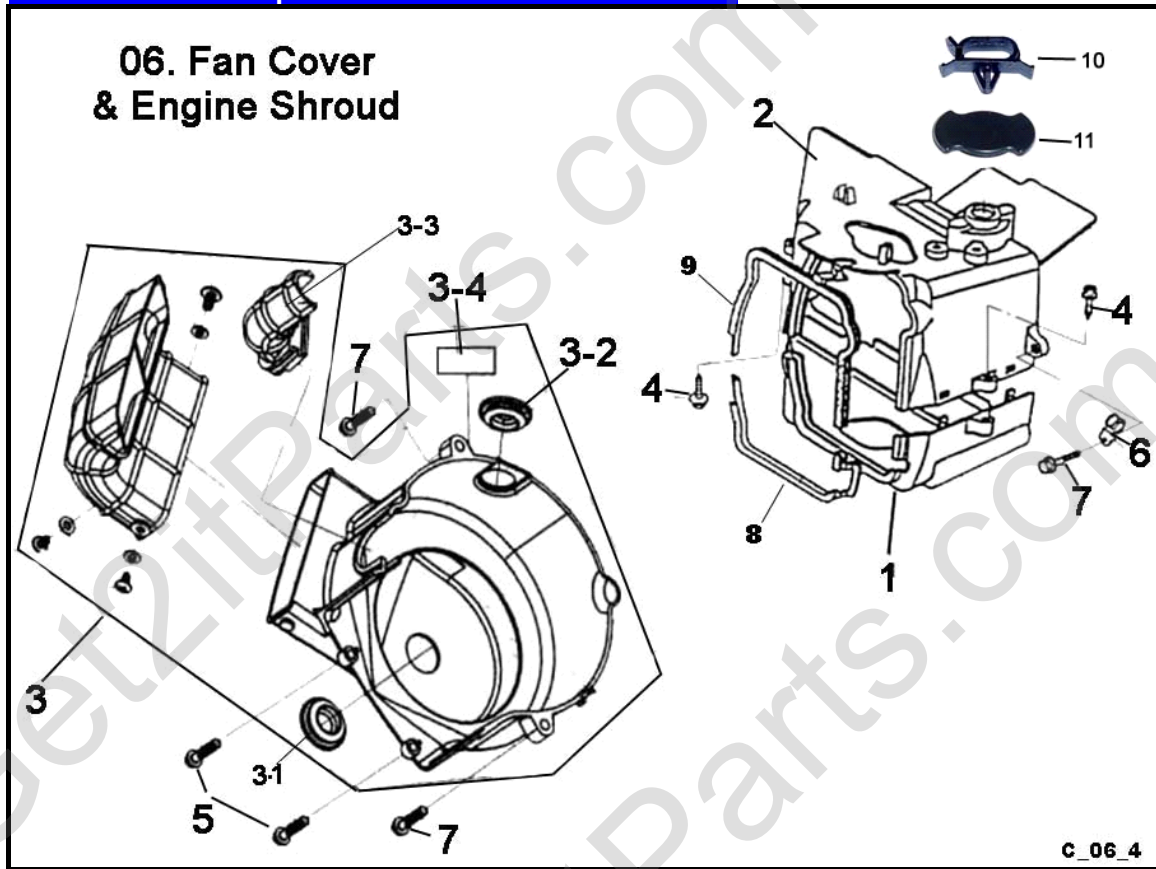
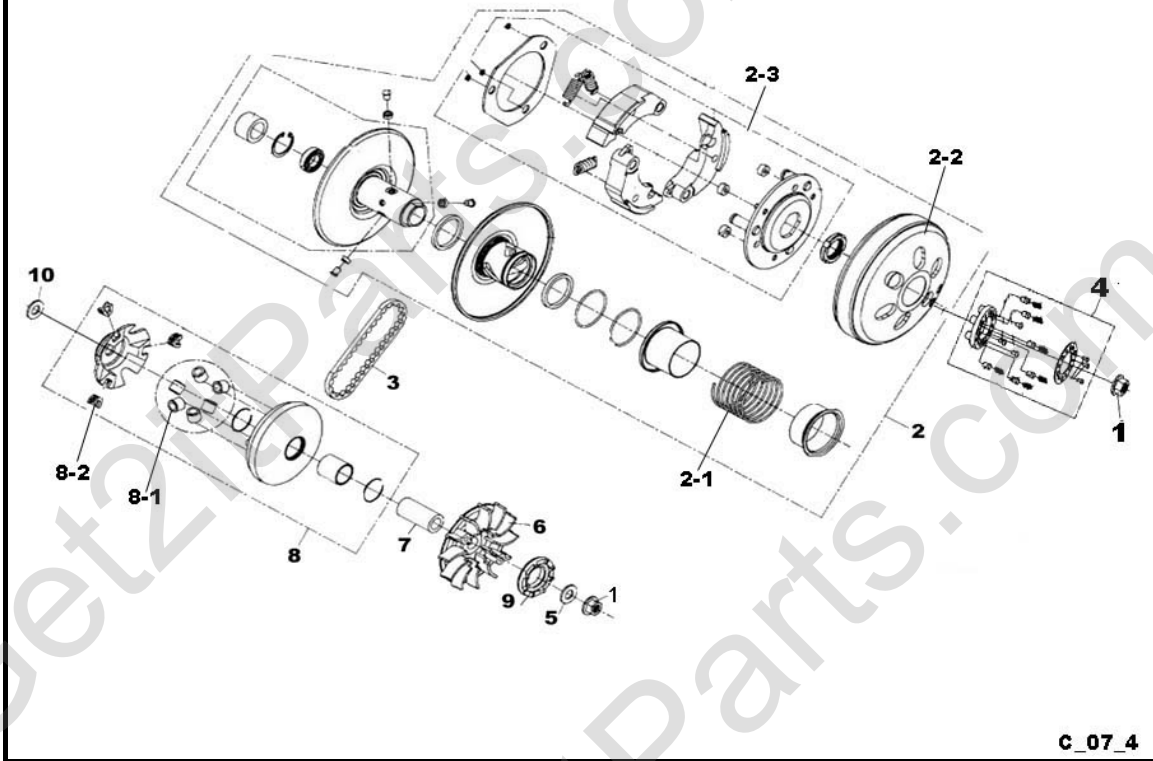


Fig Ref	Item No.	Description	Qty Req
6-1	800224	Lower Shroud	1
6-2	800484	Upper Shroud	1
6-3	810004	Fan Cover	1
6-3-1	810005	Fan Cover Plug (B)	1
6-3-2	810005	Fan Cover Plug (B)	1
6-3-3	811465	Carburetor Cooling Duct	1
6-3-4	800486	Oil Cap Label	1
6-4	800487	Self Tapping Screw (M5x12)	2
6-5	800221	Pan 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

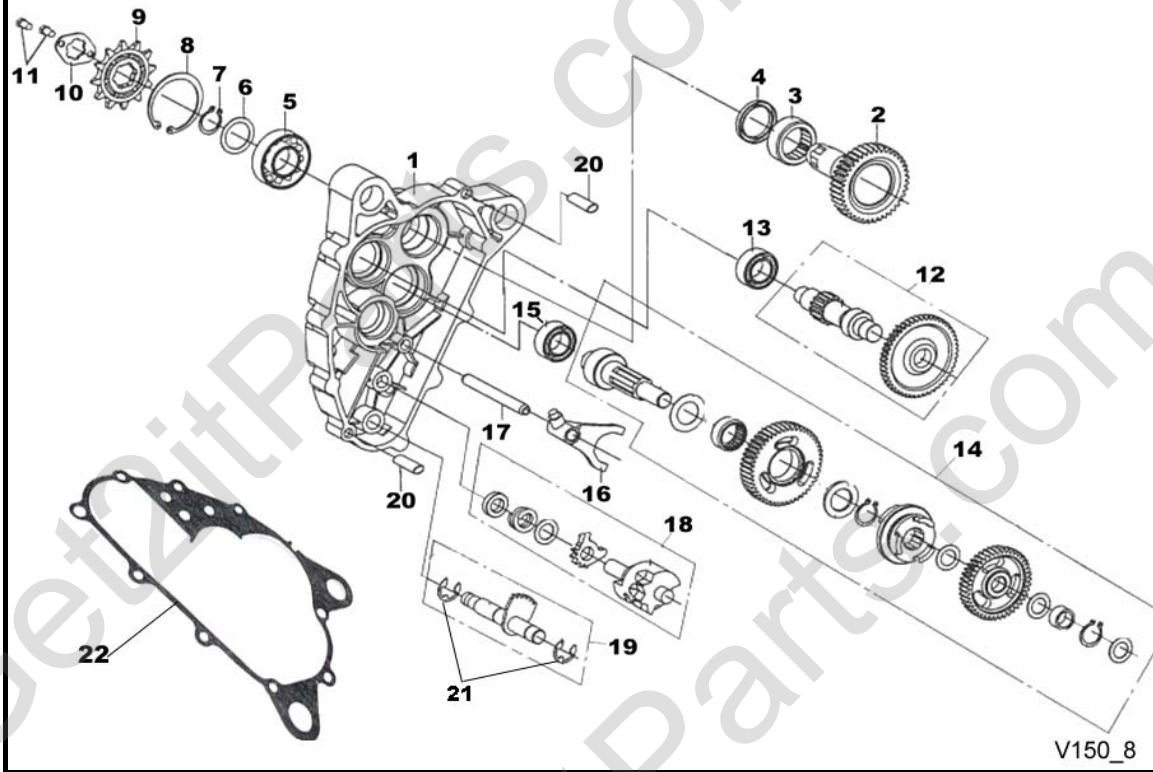


Fig Ref	Item No.	Description	Qty Req
8-1	800489	Transmission Cover	1
8-2	800277	Final Drive Shaft	1
8-3	800278	Needle Bearing (M30x42x17)	1
8-4	800270	Oil Seal (30x40x5)	1
8-5	800280	Radial Ball Bearing (6205LLU)	1
8-6	800281	Flat Washer (M25x33x1)	1
8-7	800282	Circle-Clip (25mm)	1
8-8	800283	Circle-Clip (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

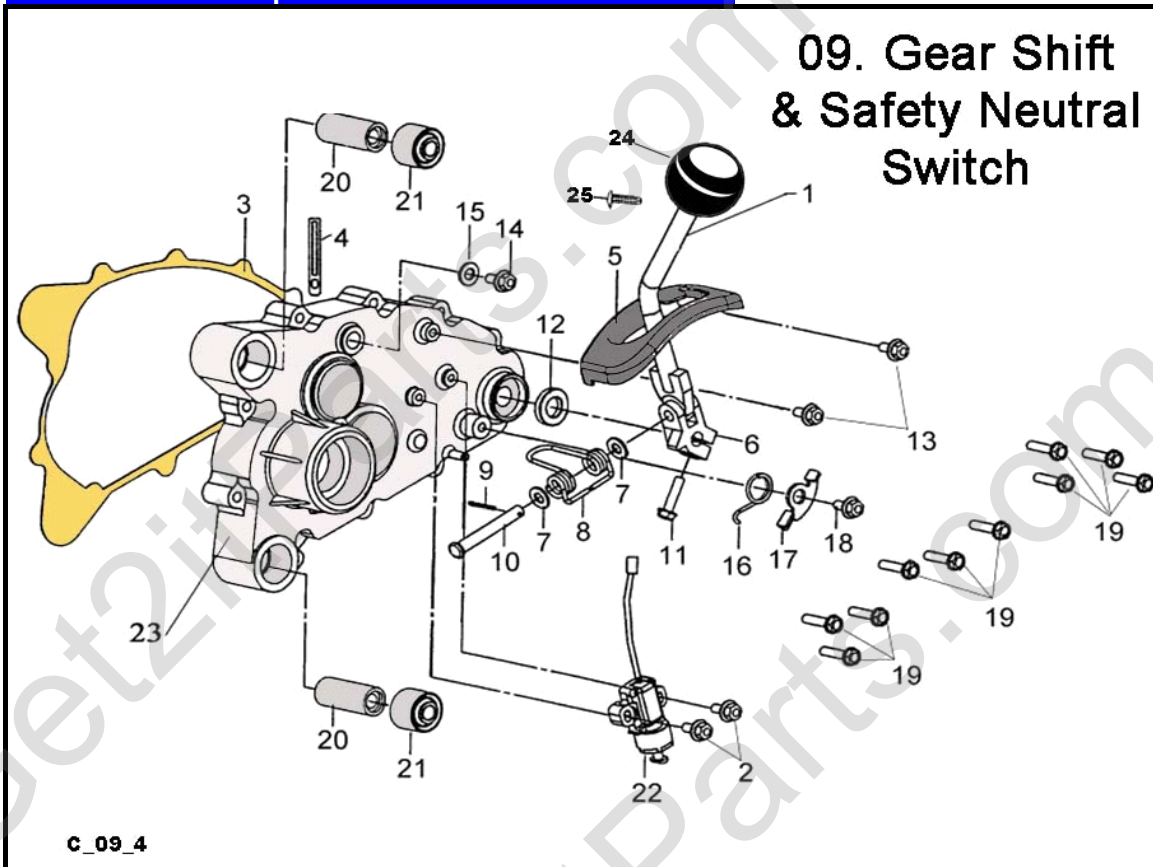


Fig Ref	Item No.	Description	Qty Req
9-1	811395	Shifting Lever & Handle	1
9-2	800493	PanHead Screw w/Washer (M5x16)	2
9-3	800312	Transmission Cover Gasket	1
9-4	800494	Ignition Coil Wire Clamp	1
9-5	800314	Shifting Lever Notch Plate	1
9-6	800315	Shift Lever Bracket	1
9-7	800316	Flat Washer (M10x13x1)	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

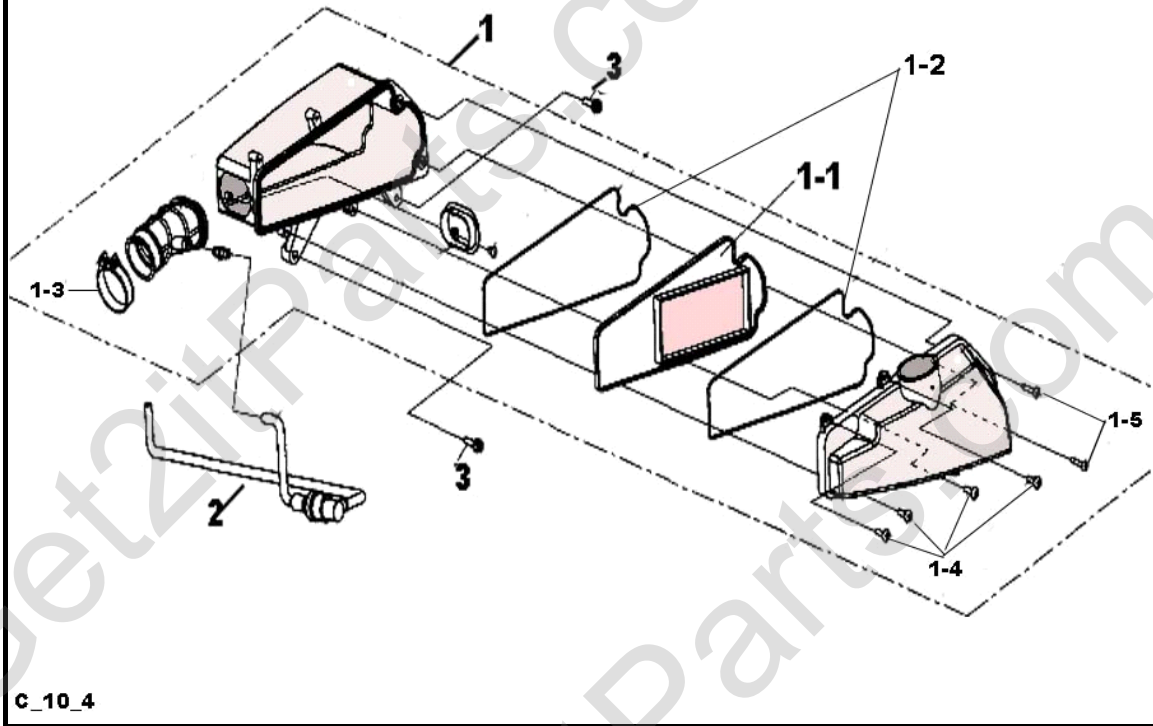
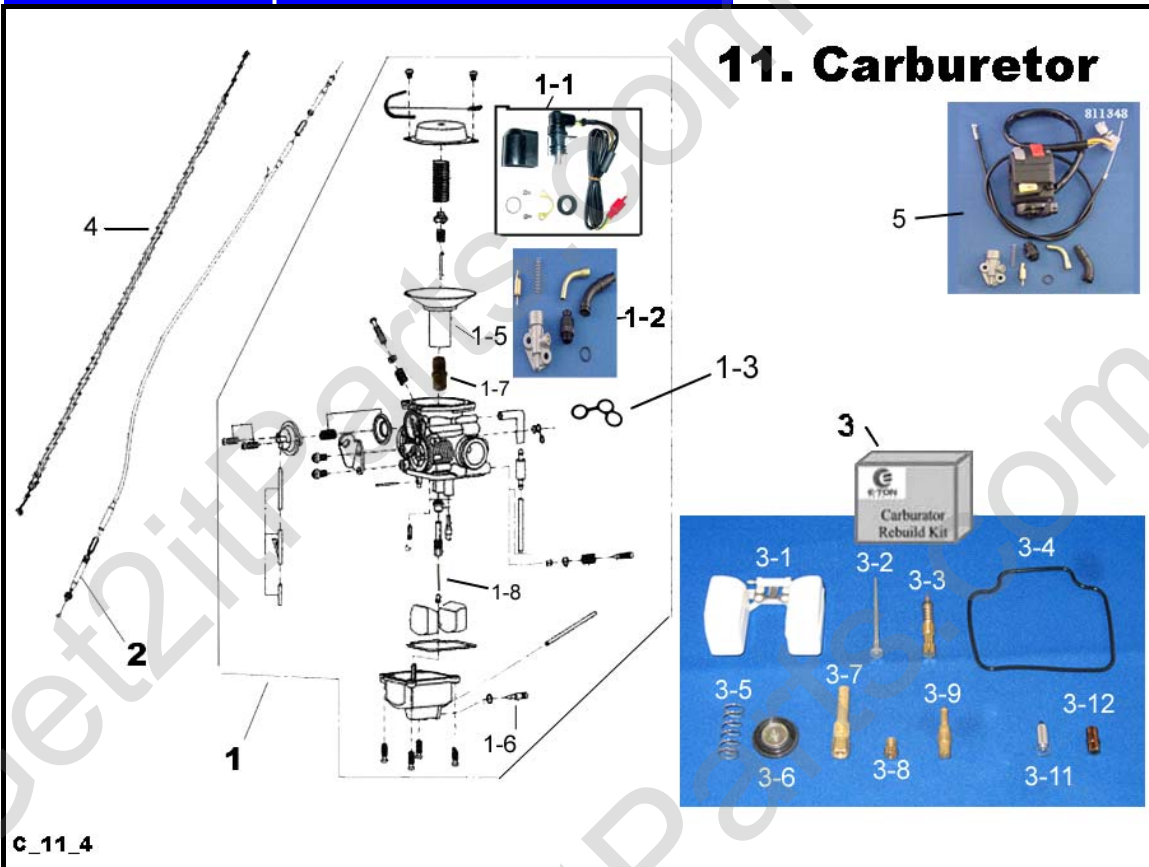


Fig Ref	Item No.	Description	Qty Req
10-1	800328	Air Cleaner Assembly	1
10-1-1	800333	Paper Air Filter Element	1
10-1-2	811458	Air Filter Case Seals	2
10-1-3	811495	Air Duct Clamp	1
10-1-4	811496	Self Tapping Screw (M5x20)	4
10-1-5	811497	Self Tapping Screw (M5x32)	2
10-2	811388	Waste Gas Recovery System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

11. Carburetor



C_11_4

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

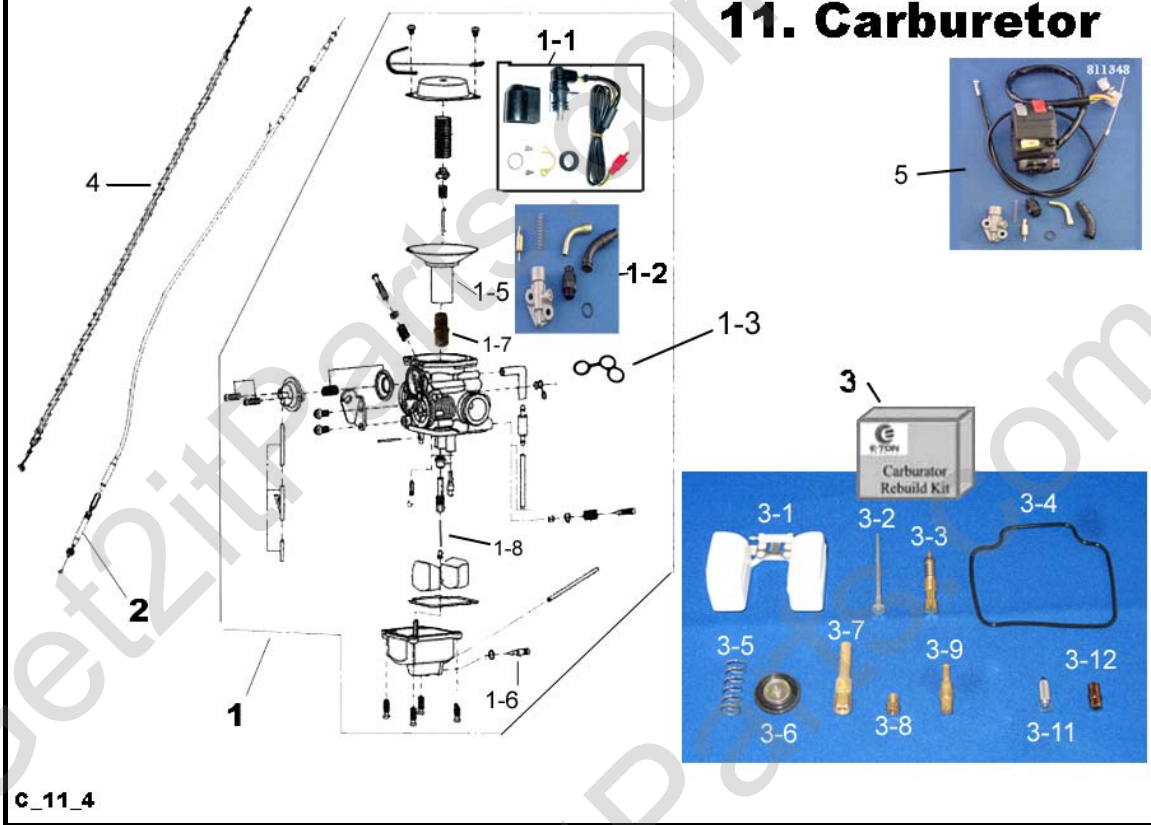


Fig Ref	Item No.	Description	Qty Req
11-NP	810423	Pilot Jet (*38)	1

12. Oil Cooler

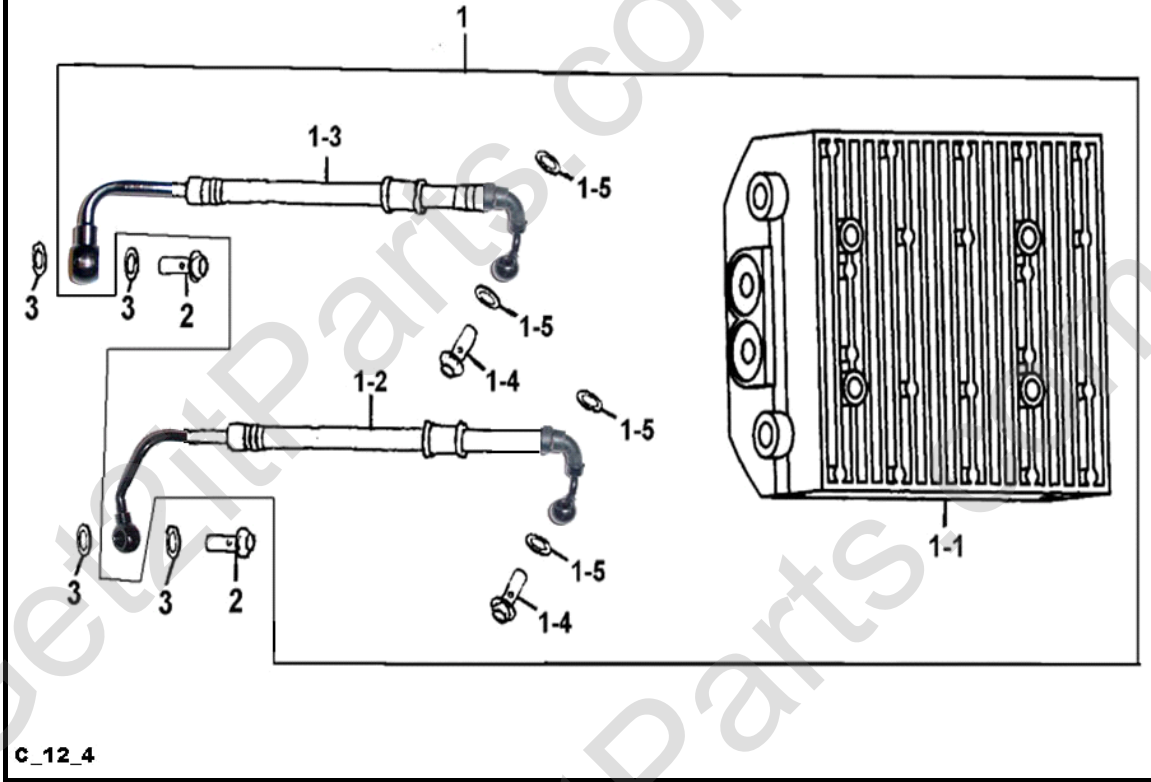


Fig Ref	Item No.	Description	Qty Req
12-1	811407	Oil Cooler & Hoses	1
12-1-1	800345	Oil Cooler Unit	1
12-1-2	811390	Oil Inlet Hose	1
12-1-3	811391	Oil Outlet Hose	1
12-1-4	800349	Oil Bypass Bolt	2
12-1-5	800350	Oil Bypass Joint Seal Washer	4
12-2	800349	Oil Bypass Bolt	2
12-3	800350	Oil Bypass Joint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

13. 150cc Engine

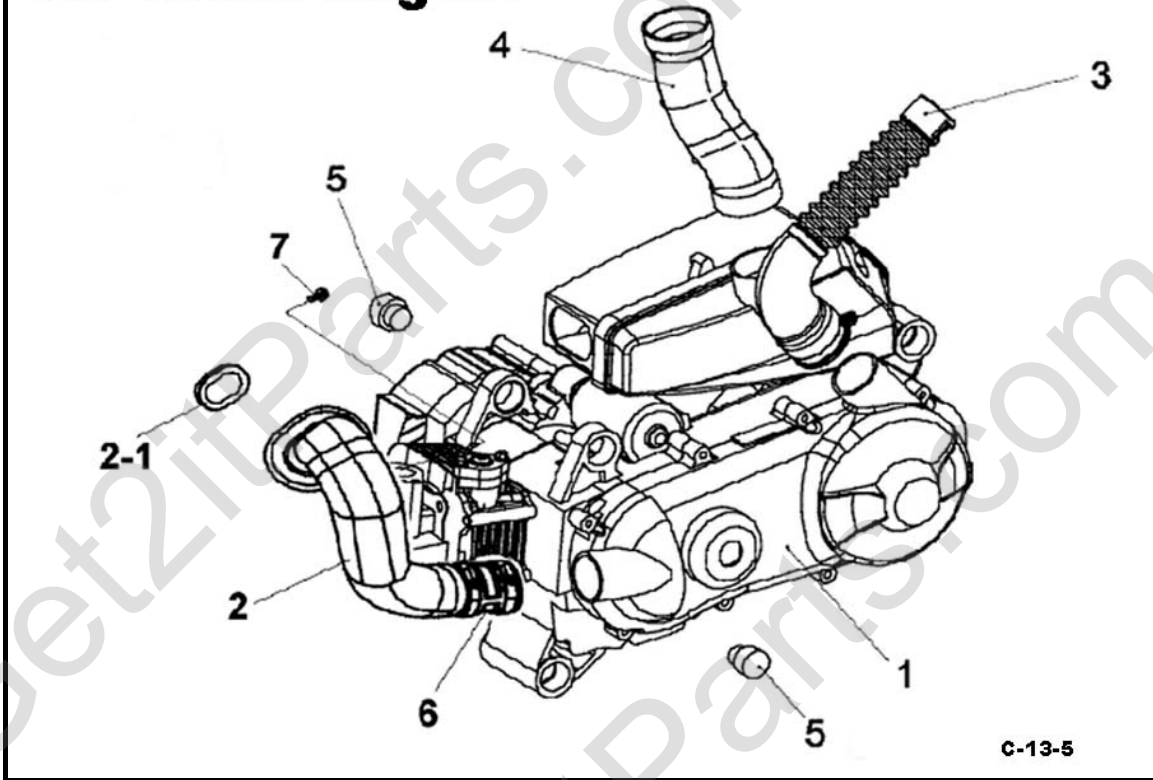


Fig Ref	Item No.	Description	Qty Req
13-1	810010	Engine 150cc	1
13-2	811393	C.V.T. Inlet Tube	1
13-2-1	811500	C.V.T. Inlet Tube Seal	1
13-3	800354	Exhaust Tube CVT	1
13-4	800355	Air Cleaner Case Duct	1
13-5	800497	Engine Rubber Plug	2
13-6	811394	C.V.T. Exhaust Tube Connector	1
13-7	650262	Bolt Washer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

14. Exhaust System

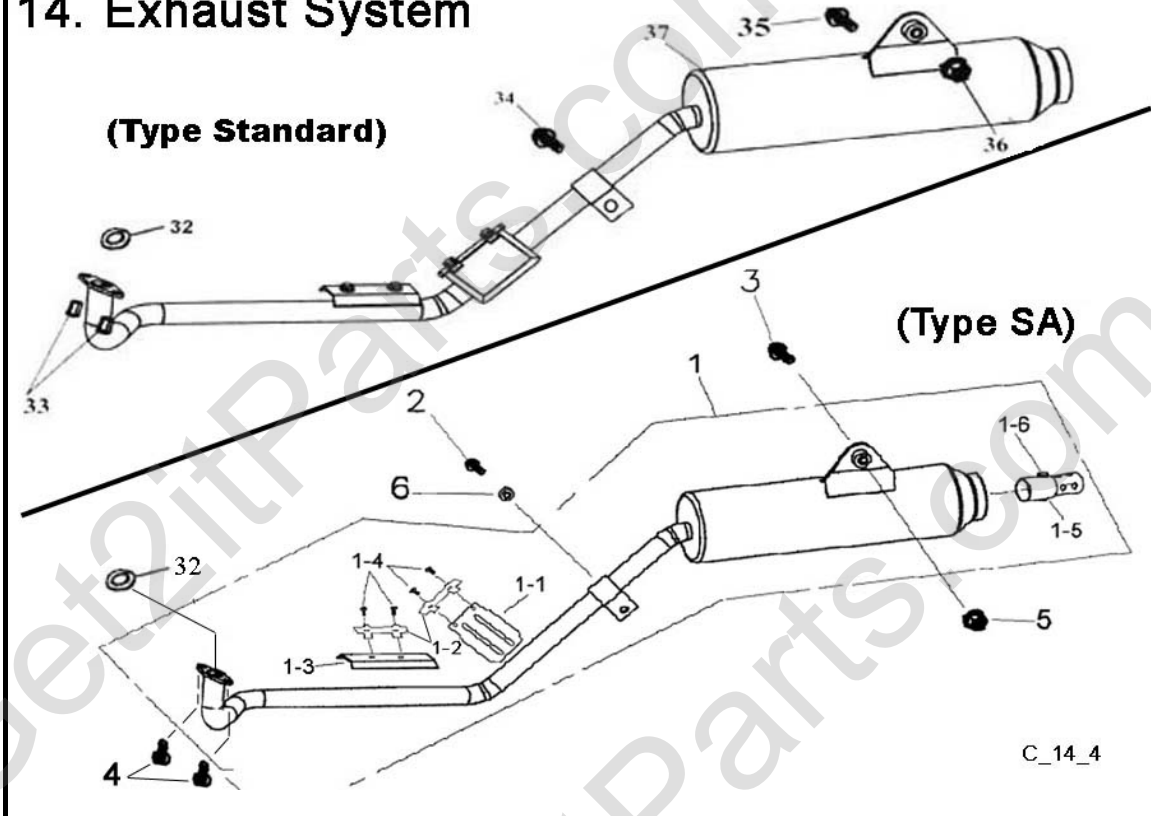


Fig Ref	Item No.	Description	Qty Req
14-1	811158	Exhaust Muffler Type (SA)	1
14-1-1	811459	Drive Chain Guard	1
14-1-2	800500	Locking Plate	2
14-1-3	811460	Exhaust Heat Shield	1
14-1-4	811461	Allen Bolt & Washer (M5x45)	4
14-1-5	811462	Spark Arrestor Screen	1
14-1-6	811463	Spark Arrestor Bolt (M6x12)	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

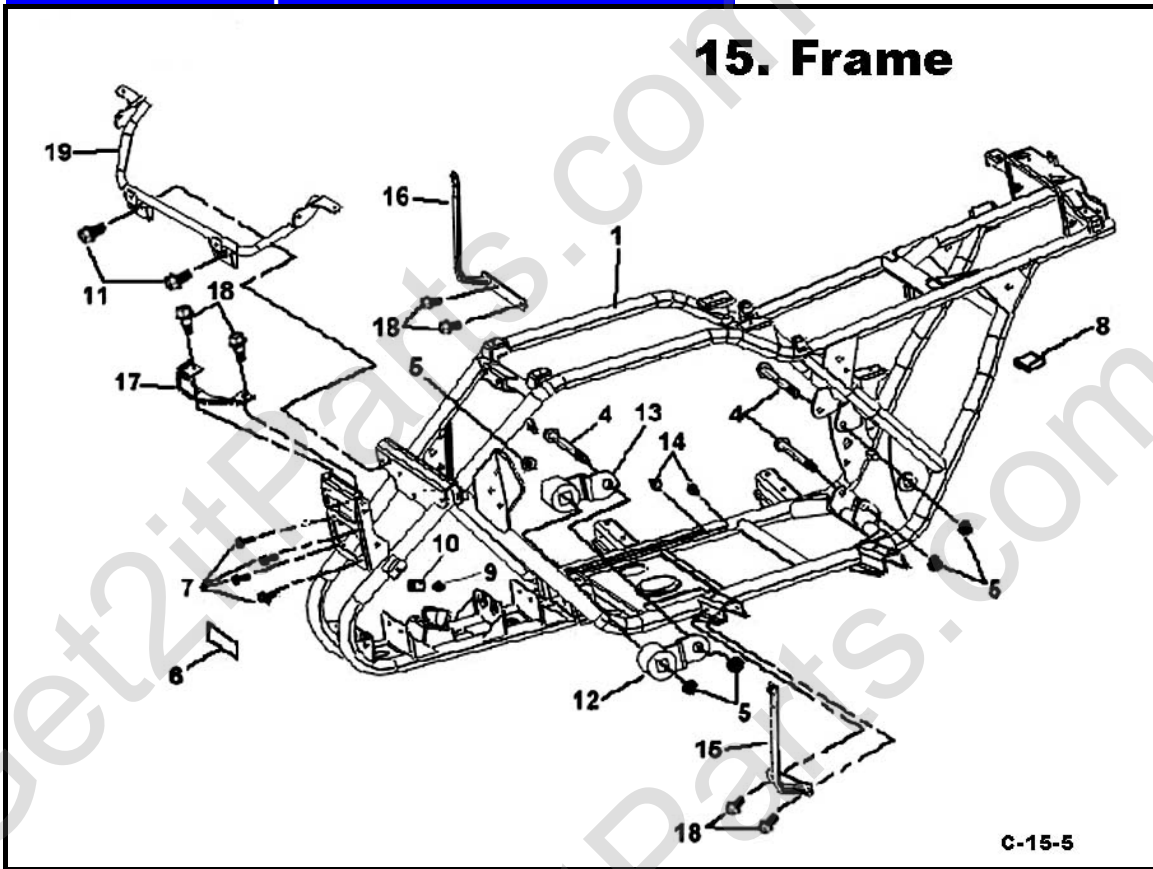
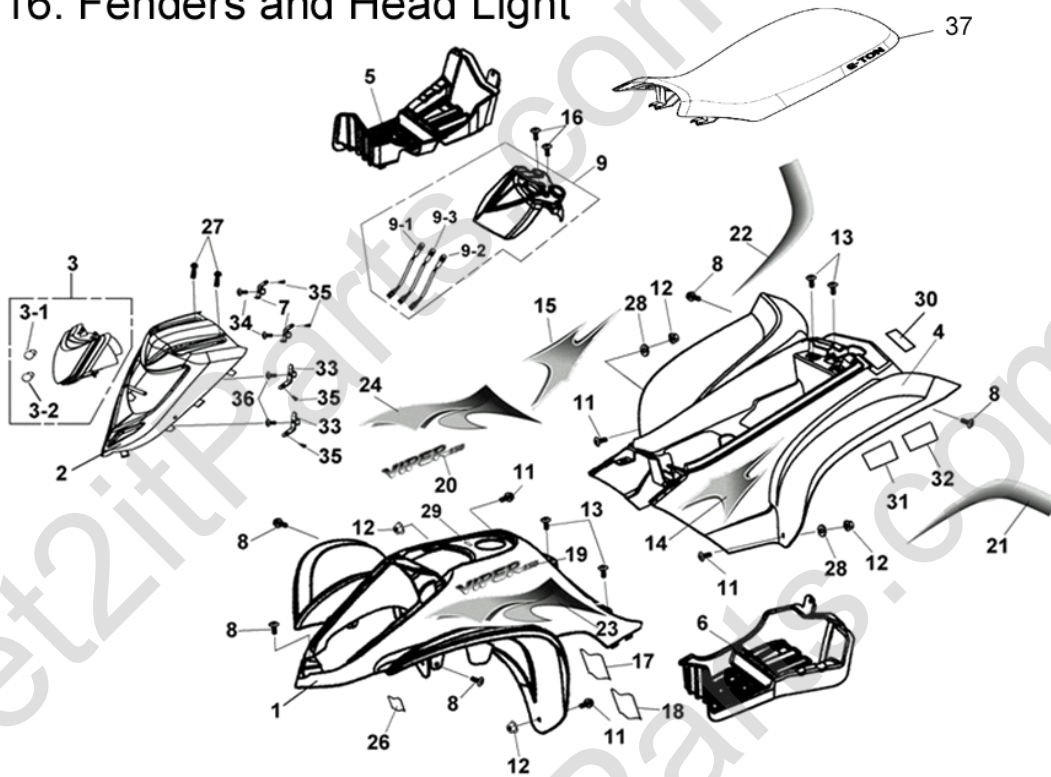


Fig Ref	Item No.	Description	Qty Req
15-1	811502	Viper 150R Frame	1
15-4	650254	Engine Set Bolt (M10 X 115)	3
15-5	650255	Locking Flange Nut (M10x19)	5
15-6	650306	MFD Label	1
15-7	810012	Flange Bolt (M6x80)	4
15-8	800502	Rubber Pad	1
15-9	650289	Grease Zerk	1
15-10	650290	Grease Zerk Cap	1
15-11	650294	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

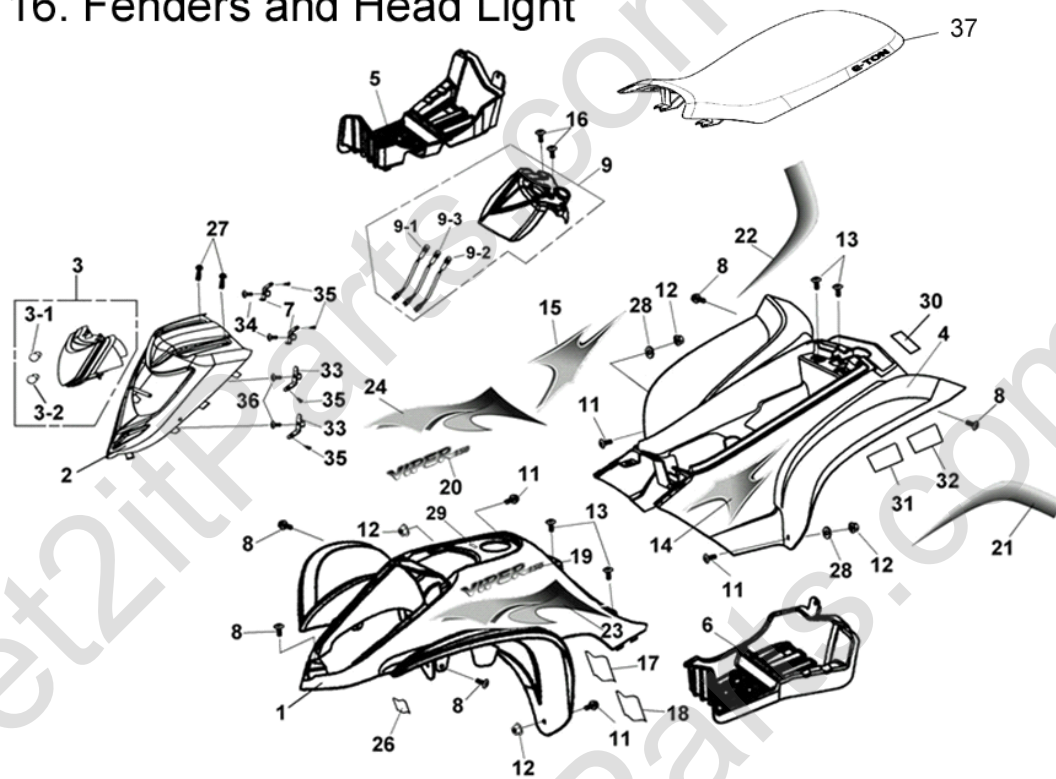
16. Fenders and Head Light



R150_09_16

Fig Ref	Item No.	Description	Qty Req
16-1	811432	Front Body Cover (Black)	1
16-1	813370	Front Body Cover (Red)	1
16-1	811434	Front Body Cover (Blue)	1
16-2	813371	Front Grill Panel (Silver)	1
16-2	813372	Front Grill Panel (Red)	1
16-2	813373	Front Grill Panel (Blue)	1
16-3	813362	Headlight Assembly	1
16-3-1	811981	Headlight Bulb (12Vx35W)	1
16-3-2	813364	Bulb	1
16-4	811439	Rear Body Cover (Black)	1
16-4	813374	Rear Body Cover (Red)	1
16-4	811452	Rear Body Cover (Blue)	1
16-5	811440	Footrest (RH)	1
16-6	811441	Footrest (LH)	1
16-7	813367	Headlight Bracket (A)	2
16-8	650262	Bolt Washer & Nut (M6x18)	5
16-9	811426	Handlebar Cover (Black)	1
16-9	813369	Handlebar Cover (Red)	1
16-9	811428	Handlebar Cover (Blue)	1
16-9-1	800542	Indicator light (Red)	1
16-9-2	800540	Indicator light (Blue)	1
16-9-3	800541	Indicator light (Green)	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

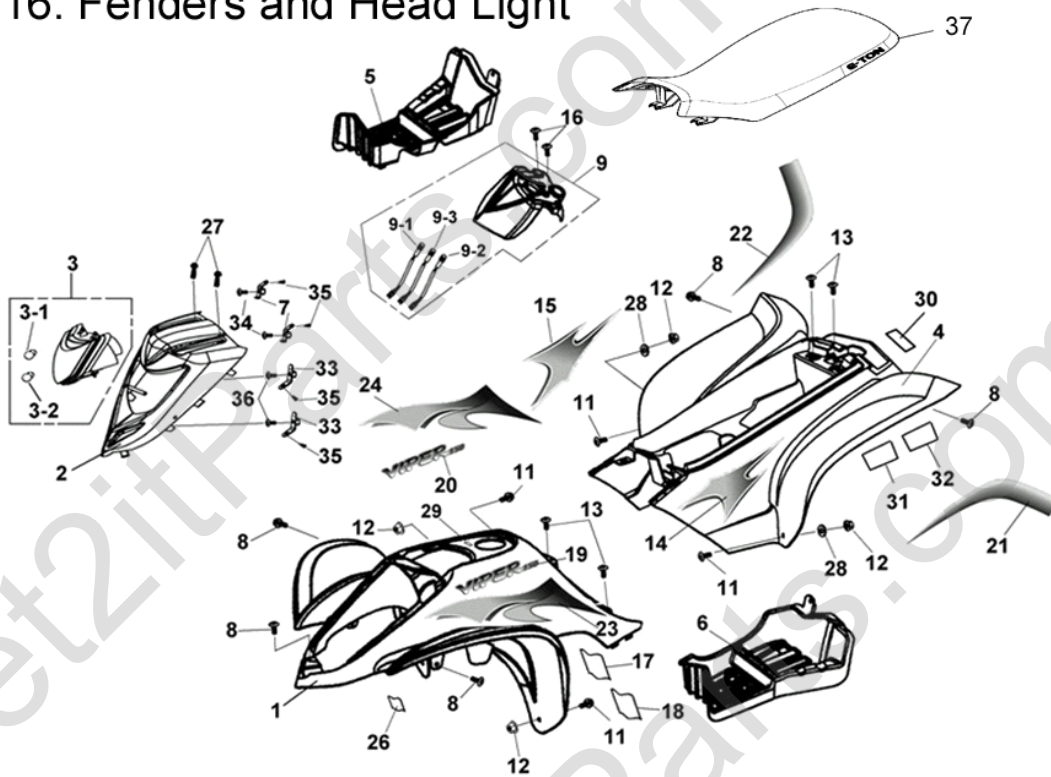
16. Fenders and Head Light



R150_09_16

Fig Ref	Item No.	Description	Qty Req
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
16-15	811506	Rear Body Graphic (Red-RH)	1
16-16	650394	Bolt (M6 X 30)	2
16-17	813375	Warning Label	1
16-18	813376	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	813365	Washer	2
16-29	813379	Start Label	1
16-30	812527	Spark Arrestor Label	1
16-31	813377	Warning Label (Tire Pressure)	1

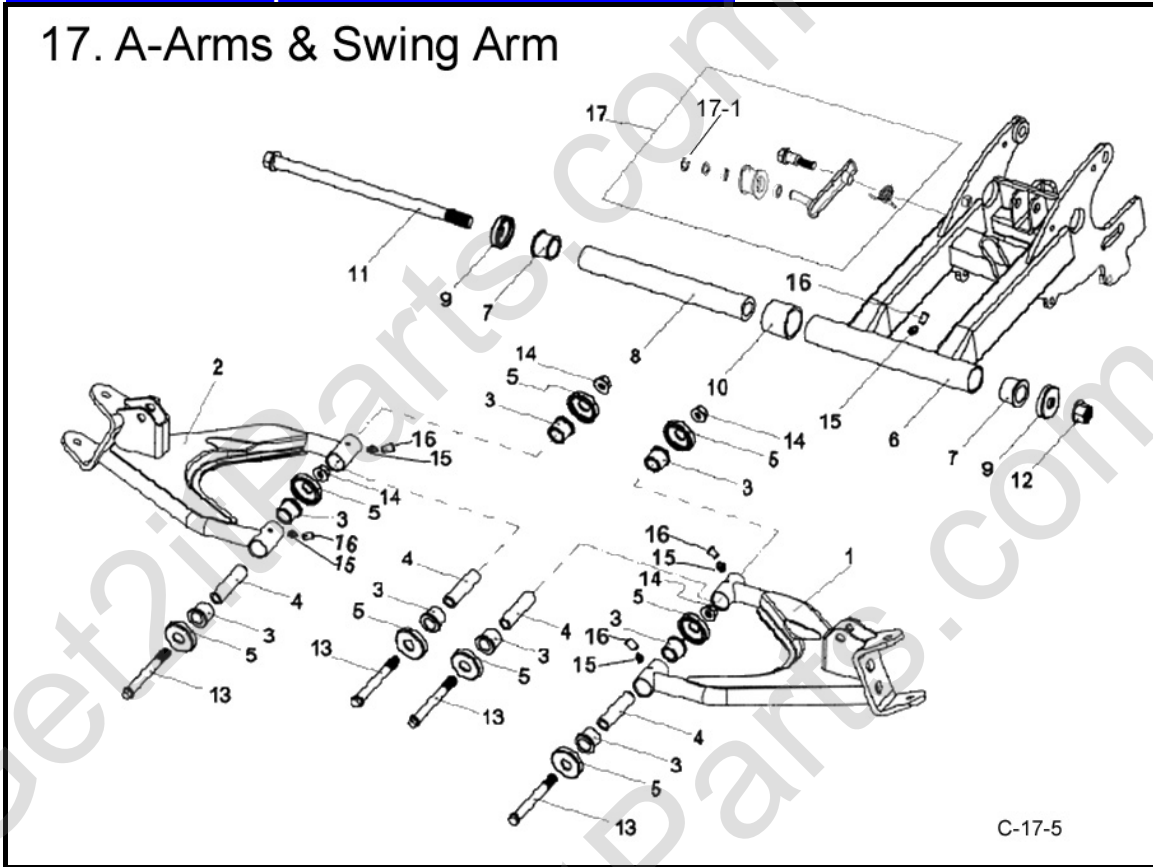
16. Fenders and Head Light



R150_09_16

Fig Ref	Item No.	Description	Qty Req
16-32	813378	Warning Label (No Passenger)	1
16-33	813368	Headlight Bracket (B)	2
16-34	650453	Pan Head Bolt & Washer (M6x16)	2
16-35	750293	Self-Tapping Screw (M4x15)	4
16-36	650454	Pan Head Bolt & Washer (M6x20)	2
16-37	811511	Seat (Slv/Blk)	1
16-37	811437	Seat (Ylw/Blk)	1
16-37	811512	Seat (Red/Blk)	1

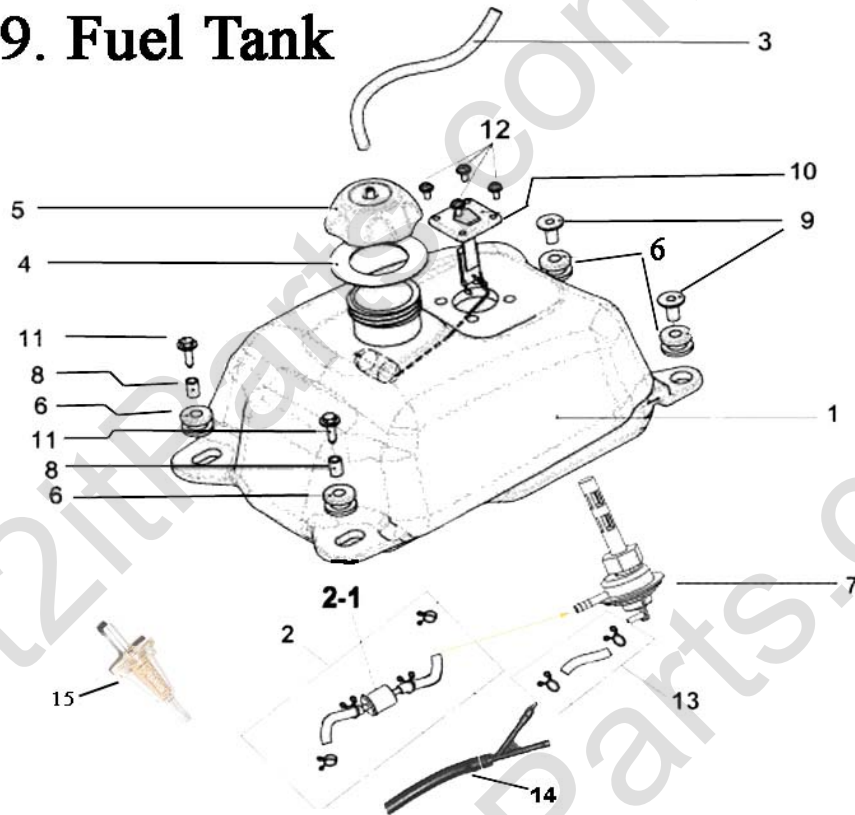
17. A-Arms & Swing Arm



C-17-5

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	813843	Fuel Tank (Viper 150R ('09))	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

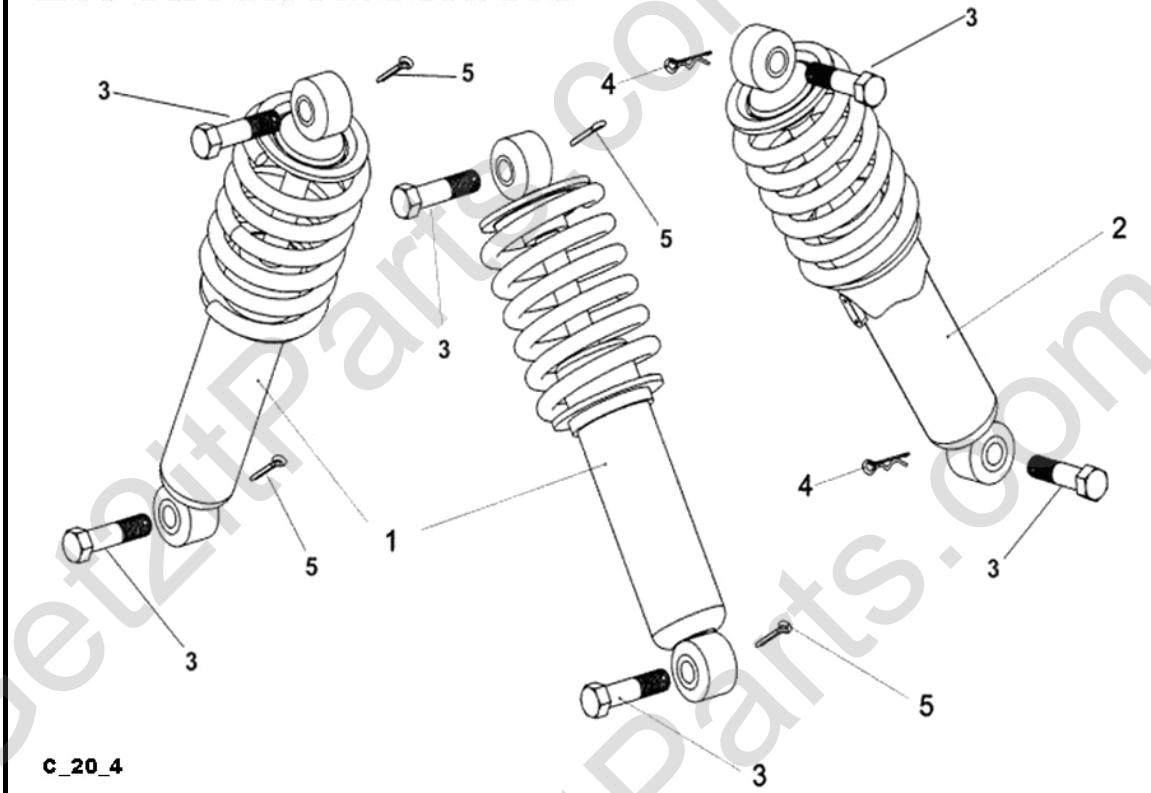
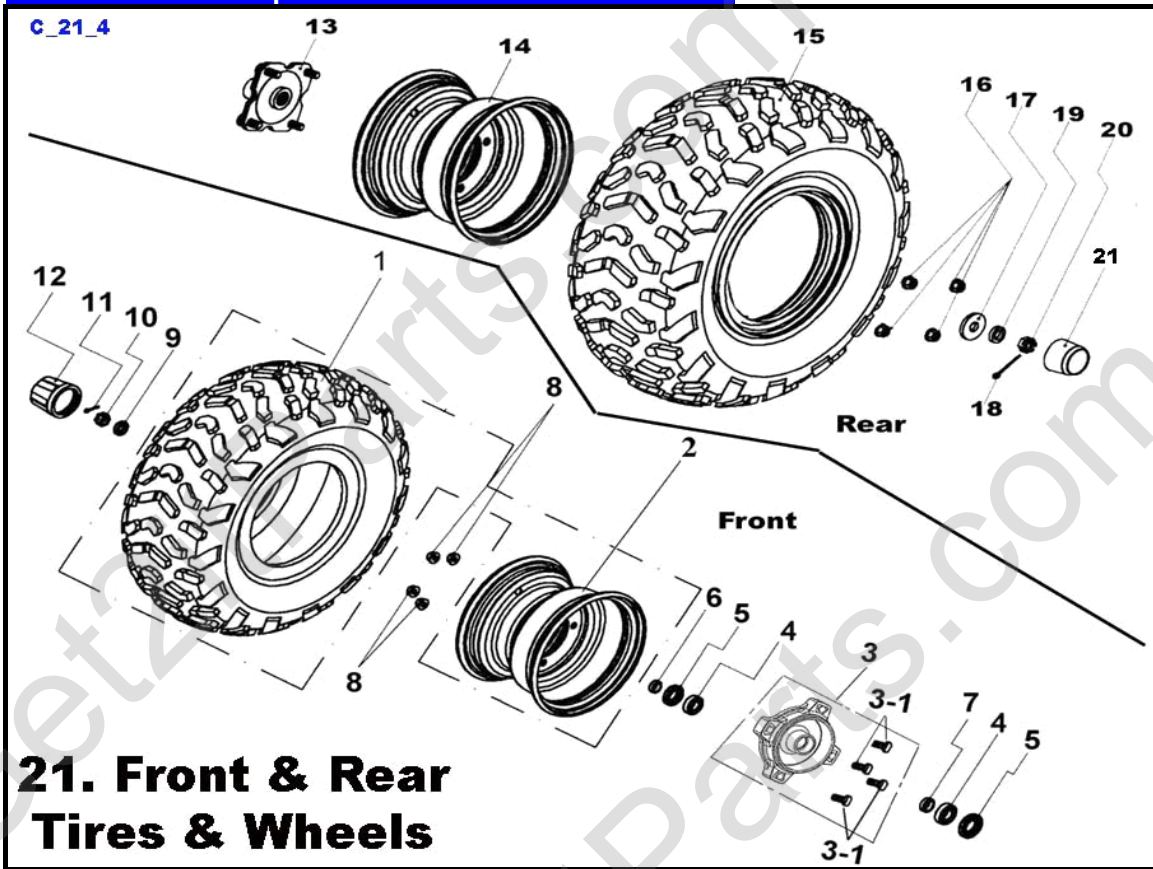


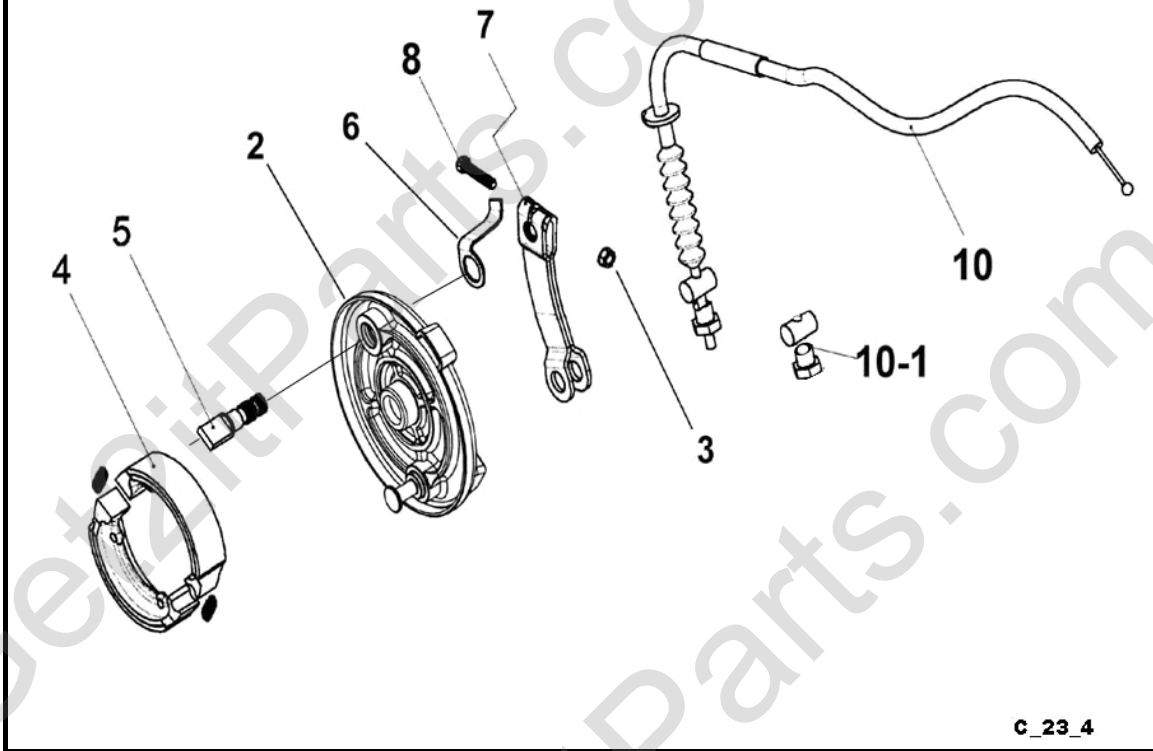
Fig Ref	Item No.	Description	Qty Req
20-1	810236	Shock Absorber (Black)	2
20-1	811422	Front Shock (Optional-LD) Ylw.	2
20-1	811540	Front Shock (Std.) Yellow	2
20-1	811541	Front Shock (Std.) Silver	2
20-2	810237	Rear Shock (Black)	1
20-2	811423	Rear Shock (Red)	1
20-3	650997	Pin Hole Bolt (M10 X 40)	6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



21. Front & Rear Tires & Wheels

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



C_23_4

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

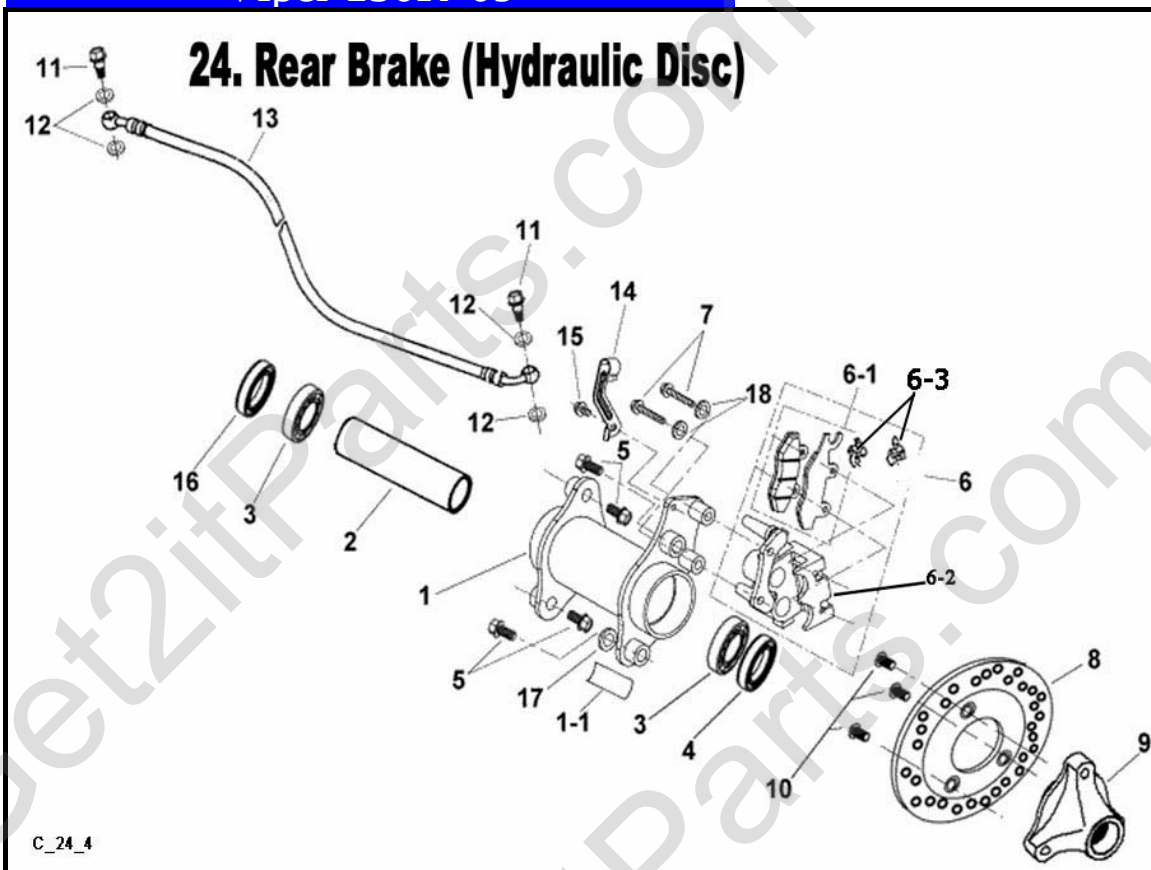


Fig Ref	Item No.	Description	Qty Req
24-1	810180	Rear Axle Bearing Seat	1
24-1-1	800514	Warning Label (Drive chain)	1
24-2	800409	Spacer	1
24-3	800410	Bearing (6007Z)	2
24-4	800411	Oil Seal [43x62x12]	1
24-5	810182	Flange Bolt (M12x36)	4
24-6	810183	Rear Disc Brake Caliper	1
24-6-1	810184	Disc Brake 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

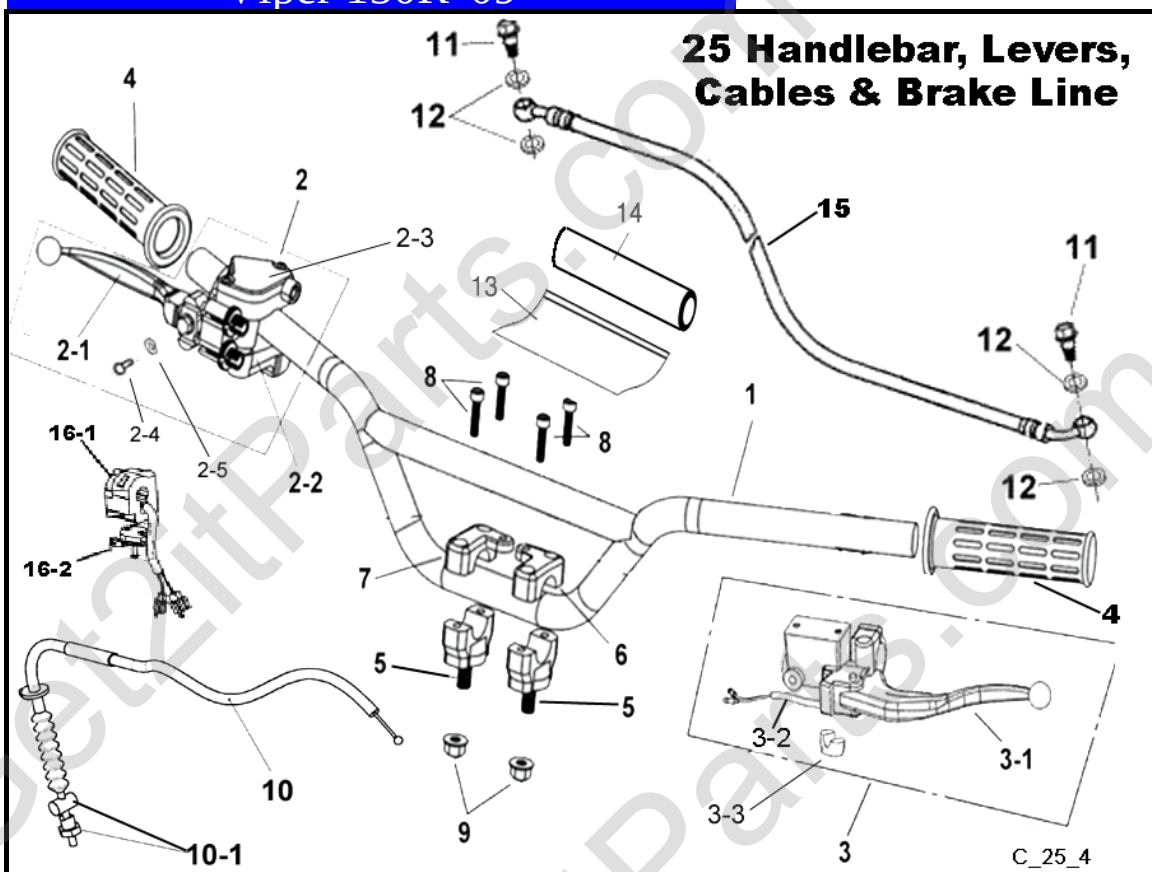


Fig Ref	Item No.	Description	Qty Req
25-1	610069	Handlebar	1
25-2	610154	Front Brake Lever (RH)	1
25-2-1	610151	Lever, (only-RH)	1
25-2-2	610150	Throttle Lever (RH)	1
25-2-3	812425	Throttle Cover Assembly	1
25-2-4	650135	Pan Head Bolt (M5x14)	1
25-2-5	813213	Nut (M5x8)	1
25-3	810190	Brake Master Cylinder & 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

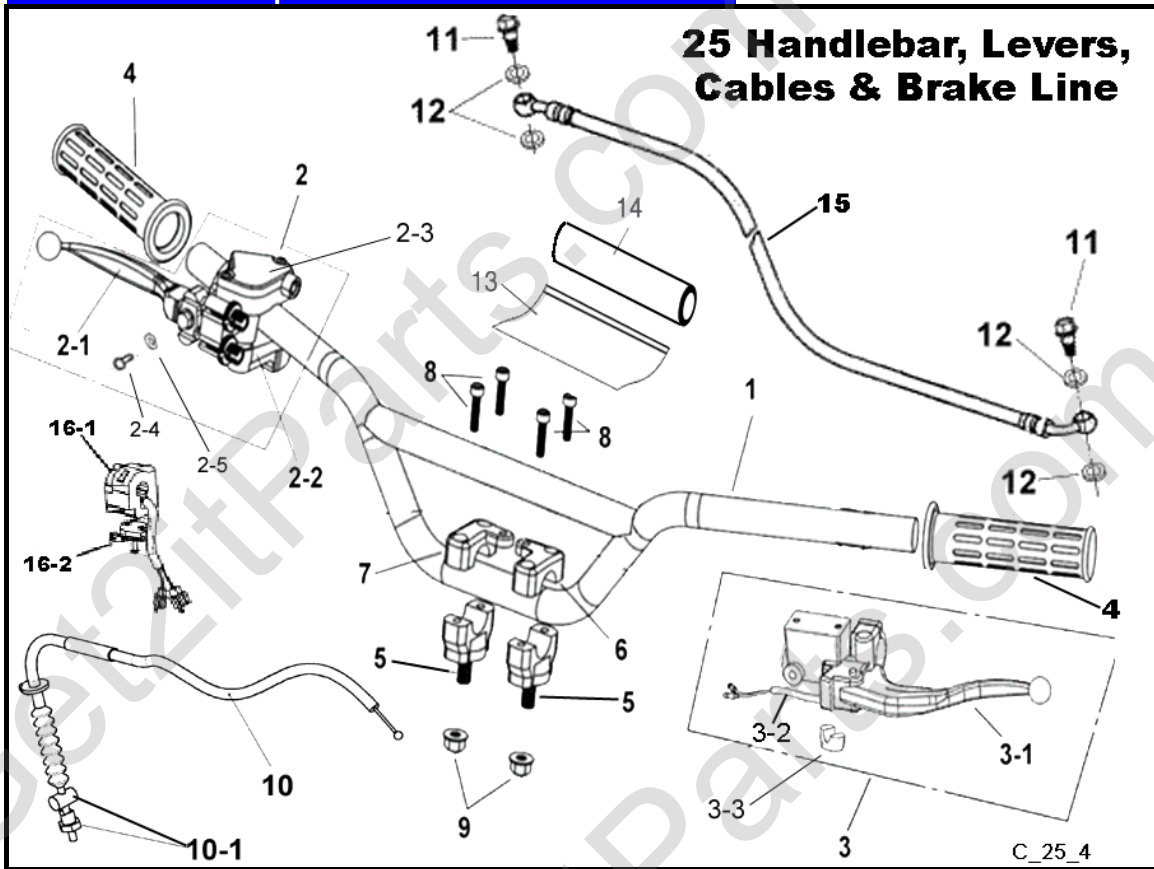


Fig Ref	Item No.	Description	Qty Req
25-16-2	811280	Choke Lever	1

26. Front Bumper Footrests & Rear Grab Bar

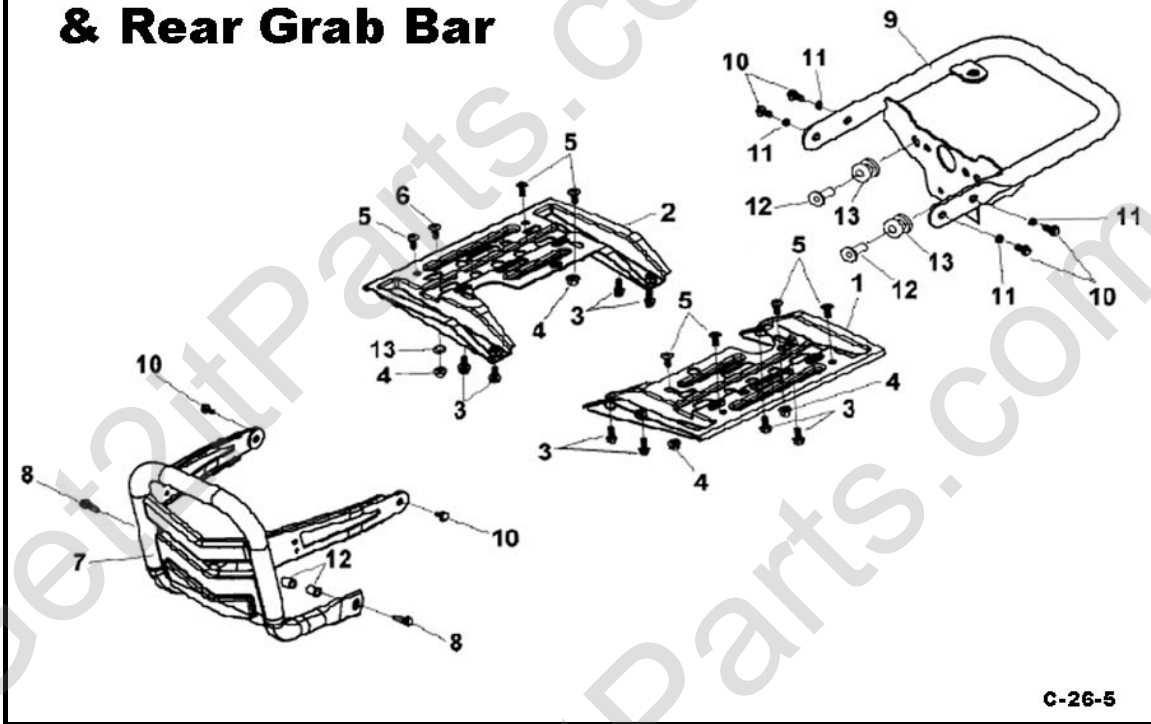


Fig Ref	Item No.	Description	Qty Req
26-1	800428	Footrest Support (LH)	1
26-2	811421	Footrest Support (RH)	1
26-3	800352	Bolt & Washer (M8x20)	8
26-4	800504	Locking Flange Nut (M6x11)	4
26-5	650270	Button Head Bolt (M6x17)	7
26-6	650262	Bolt Washer & Nut (M6x18)	1
26-7	811415	Front Bumper	1
26-8	650927	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

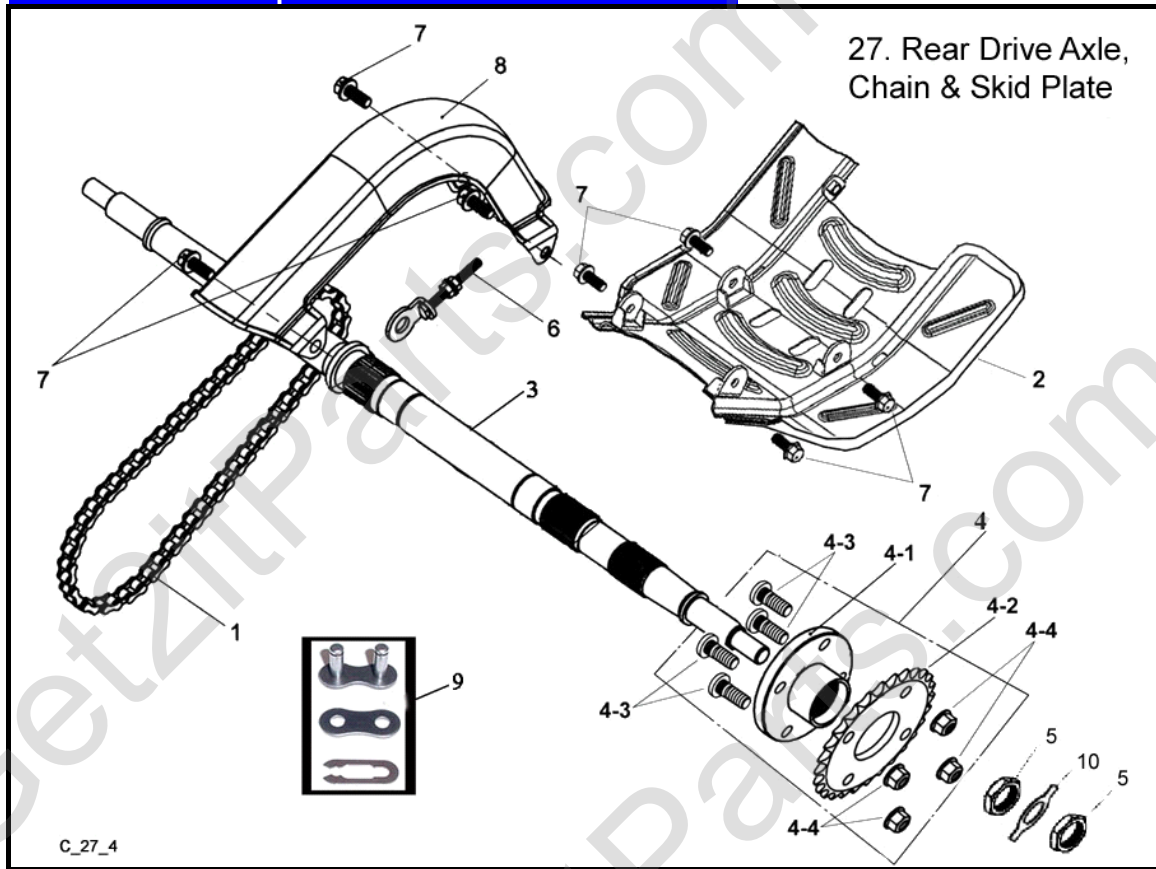
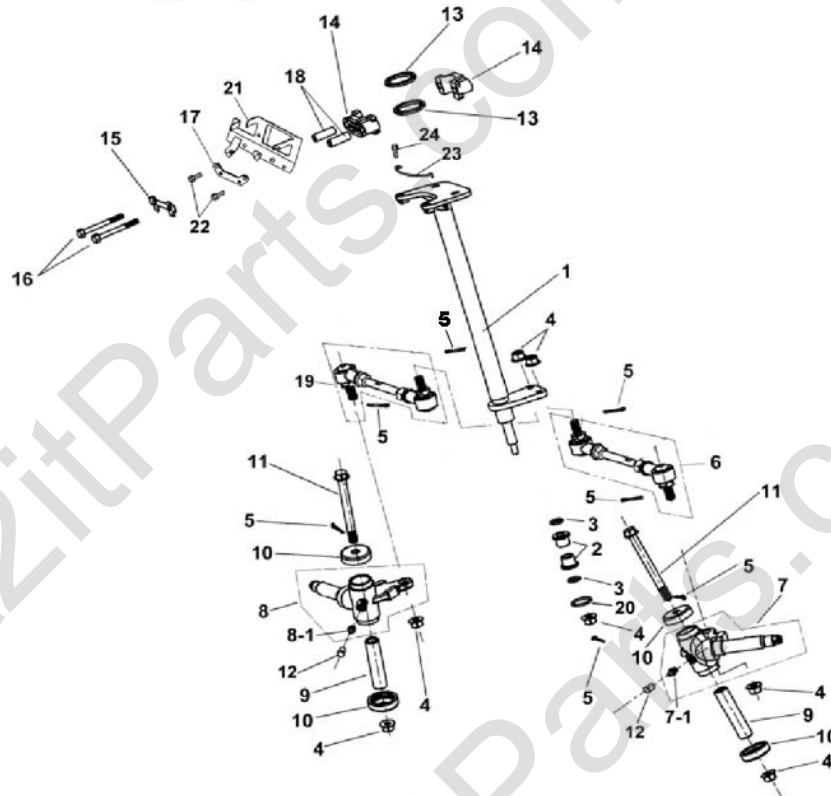


Fig Ref	Item No.	Description	Qty Req
27-1	810220	Drive Chain (O-Ring #520x78L)	1
27-2	810221	Drive Chain / Brake Skid Plate	1
27-3	800437	Rear Axle	1
27-4	800438	Rear Sprocket 520x34T & Holder	1
27-4-1	650554	Rear Sprocket Holder	1
27-4-2	810223	Rear Sprocket (520x34T)	1
27-4-3	650552	Stud Bolt (M10x25))	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

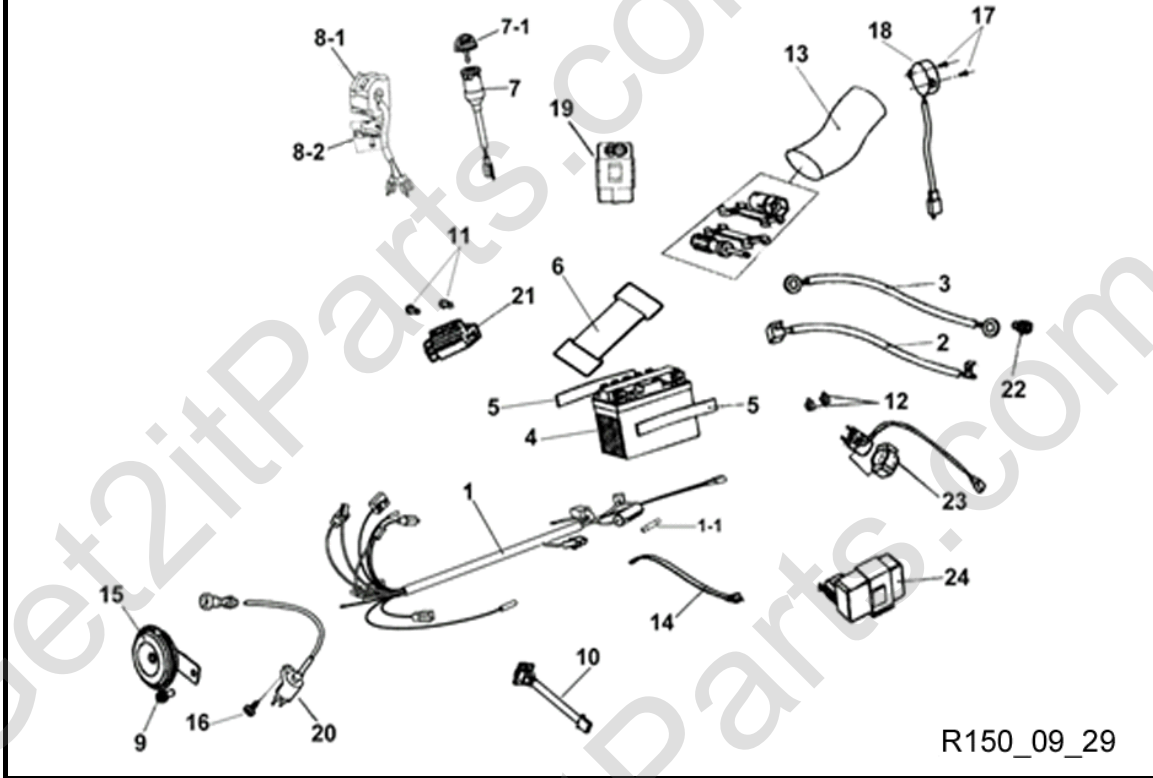
28. Steering System



C-28-5

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

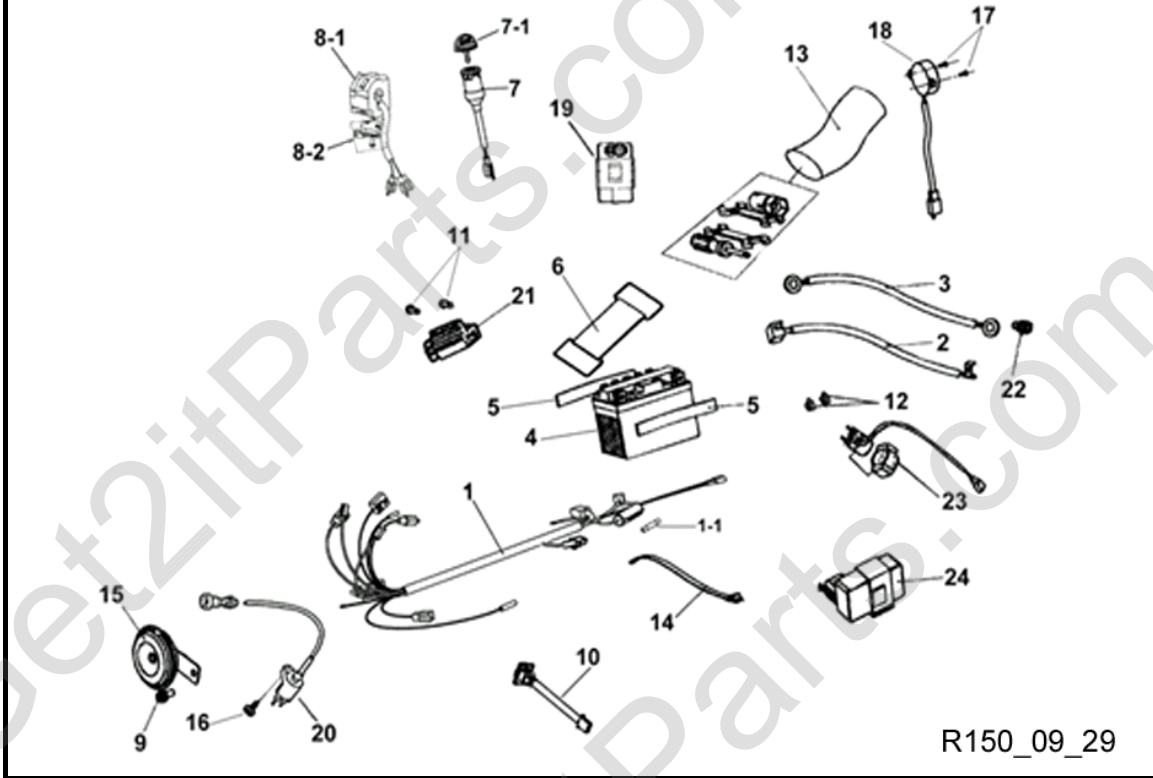
29. Electrical Components



R150_09_29

Fig Ref	Item No.	Description	Qty Req
29-1	813361	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 (GTX9-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	813366	Handlebar Switch	1
29-8-2	811280	Choke Lever	1
29-9	650453	Pan Head Bolt & Washer (M6x16)	1
29-10	811162	Auxiliary Power Outlet	1
29-13	800457	Tool Pack	1
29-14	650451	Wire Zip Ties	1
29-15	650975	Horn	1
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. Electrical Components



R150_09_29

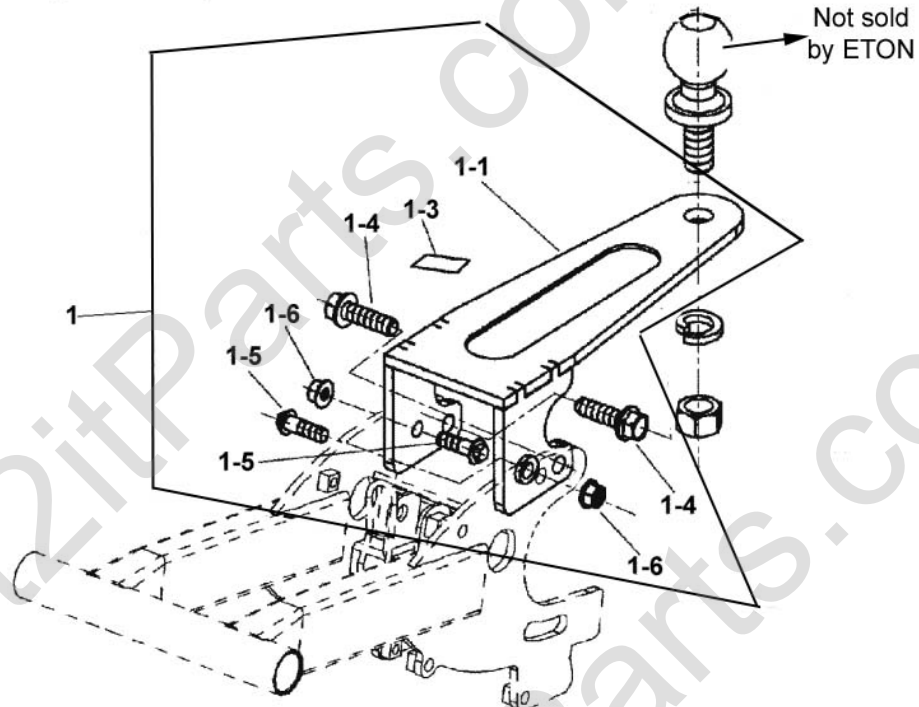
Fig Ref	Item No.	Description	Qty Req
29-25	650399	Pan Head Bolt & Washer (M6x12)	1
29-26	811523	Pan Head Bolt (M3x12)	2
29-27	750334	Nut (M6x10)	2
29-28	750299	Bolt (M5x19)	2
29-29	800504	Locking Flange Nut (M6x11)	2
29-30	610031	Tail Light Bulb (12Vx21/5w)	1
29-31	811399	Brake/Tail Light	1

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
30-9	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

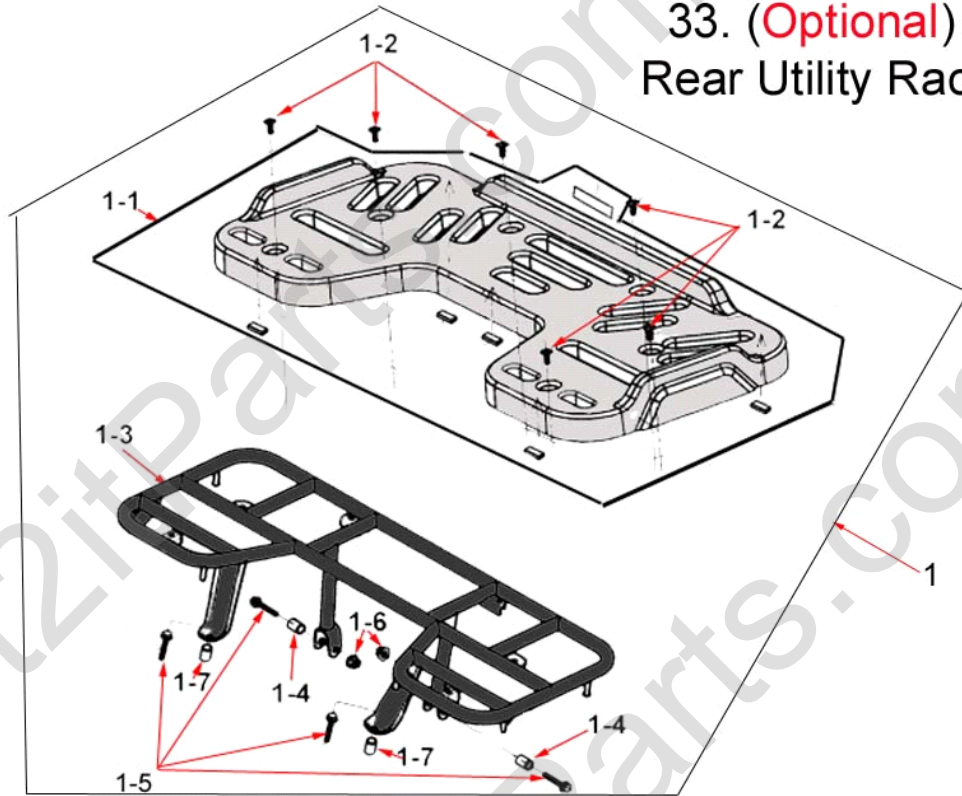
Fig Ref	Item No.	Description	Qty Req
31-1-1	811198	Light Duty Hitch Plate	1
31-1	811197	Light Duty Hitch Kit 150cc	1
31-1-3	811182	Warning Label (Max Weight)	1
31-1-4	800513	Flange Bolt (M12x40)	1
31-1-5	650911	Flange Bolt (M10x30)	1
31-1-6	650255	Locking Flange Nut (M10x19)	1

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