



ETON America

PARTS CATALOG

Viper 90R everse

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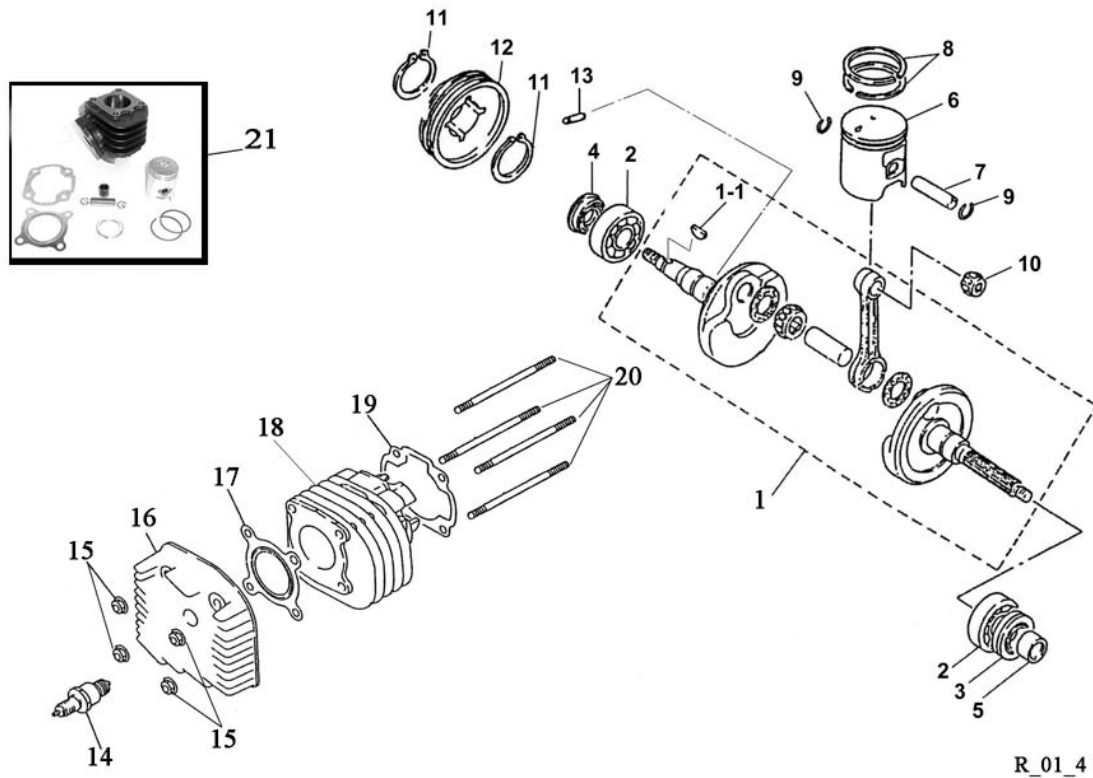
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01. Top End, Crankshaft & Piston



R_01_4

Fig Ref	Item No.	Description	Qty Req
1-1	650475	Crankshaft 90cc	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	650476	Collar	1
1-6	650477	Piston 90cc	1
1-7	650478	Piston Wrist Pin 90cc	1
1-8	650479	Piston Ring (Set of 2) 90cc	1
1-9	650652	Circle-Clip (Pair)	2
1-10	650653	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
1-13	650107	Flange Nut (M7x15)	4
1-16	650470	Cylinder Head 90cc	1
1-17	650471	Cylinder Head Gasket 90cc	1
1-18	650472	Cylinder 90cc	1
1-19	650473	Cylinder Base Gasket	1
1-20	650651	Stud Bolt (M7x125)	4
1-21	810790	90cc Top End Kit	1

02. Cooling Fan & Engine Shroud

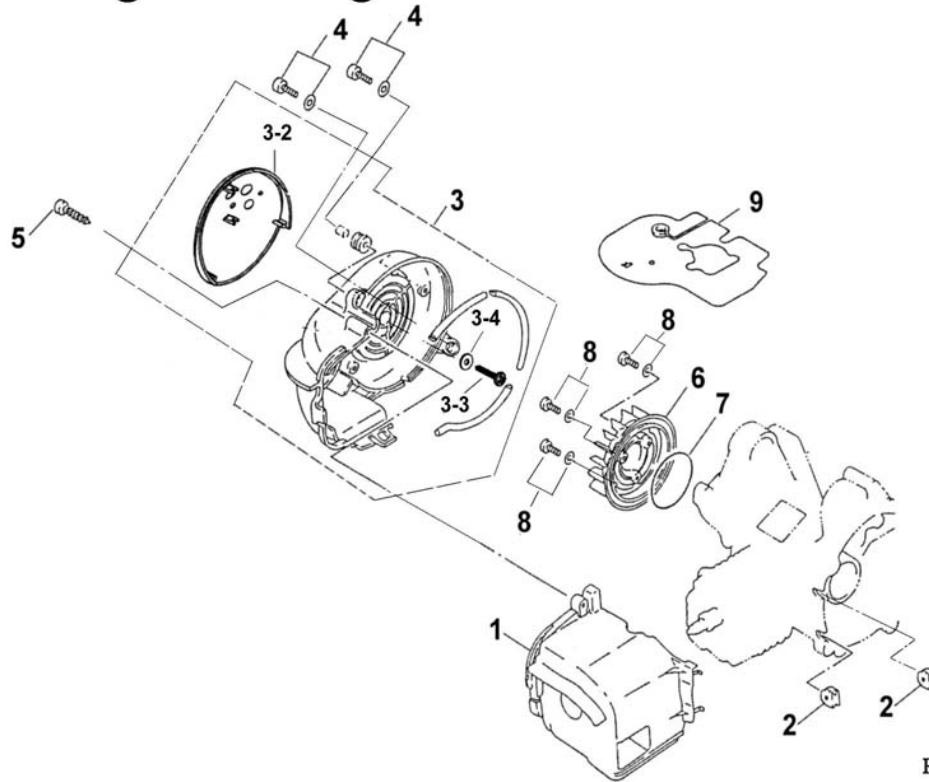
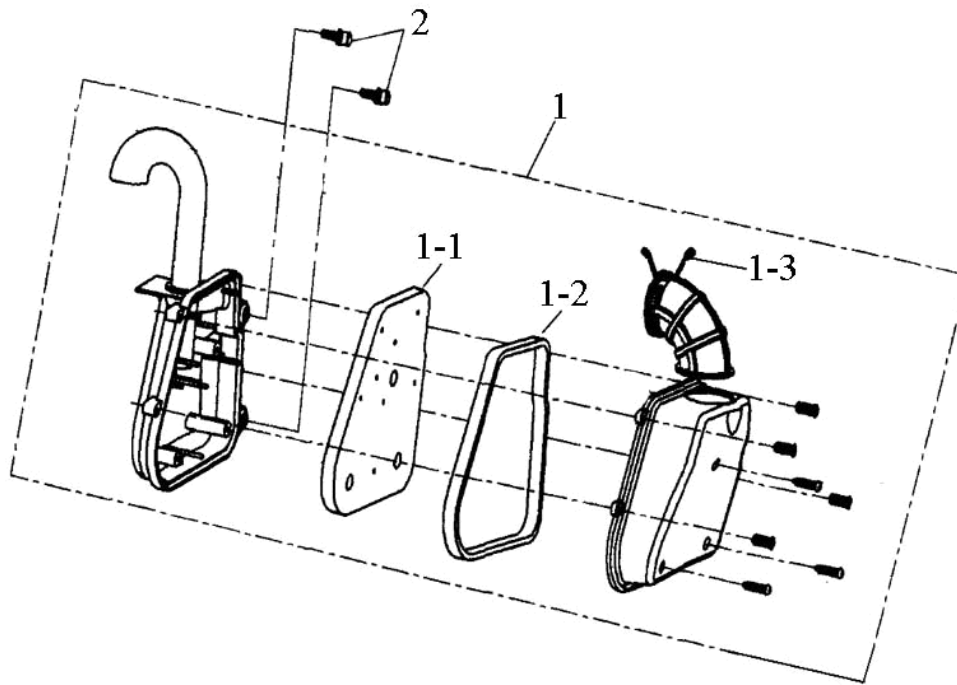


Fig Ref	Item No.	Description	Qty Req
2-1	650654	Cylinder Air Shroud	1
2-2	650121	Rubber Mount Block	2
2-3	650122	Fan Cover (Black)	1
2-3-2	810532	Fan Cover Plate (Black)	1
2-3-3	650131	Self Taping Screw (M5x16)	1
2-3-4	650132	Flat Washer (M5x18x1)	1
2-4	650123	Pan Head Bolt & Washer (M6x20)	2
2-5	811080	Self Taping Screw (M6x40)	1
2-6	650655	Fan	1
2-7	650126	O-Ring	1
2-8	650127	Pan Head Bolt & Washer (M6x16)	3
2-9	650128	Deflector	1

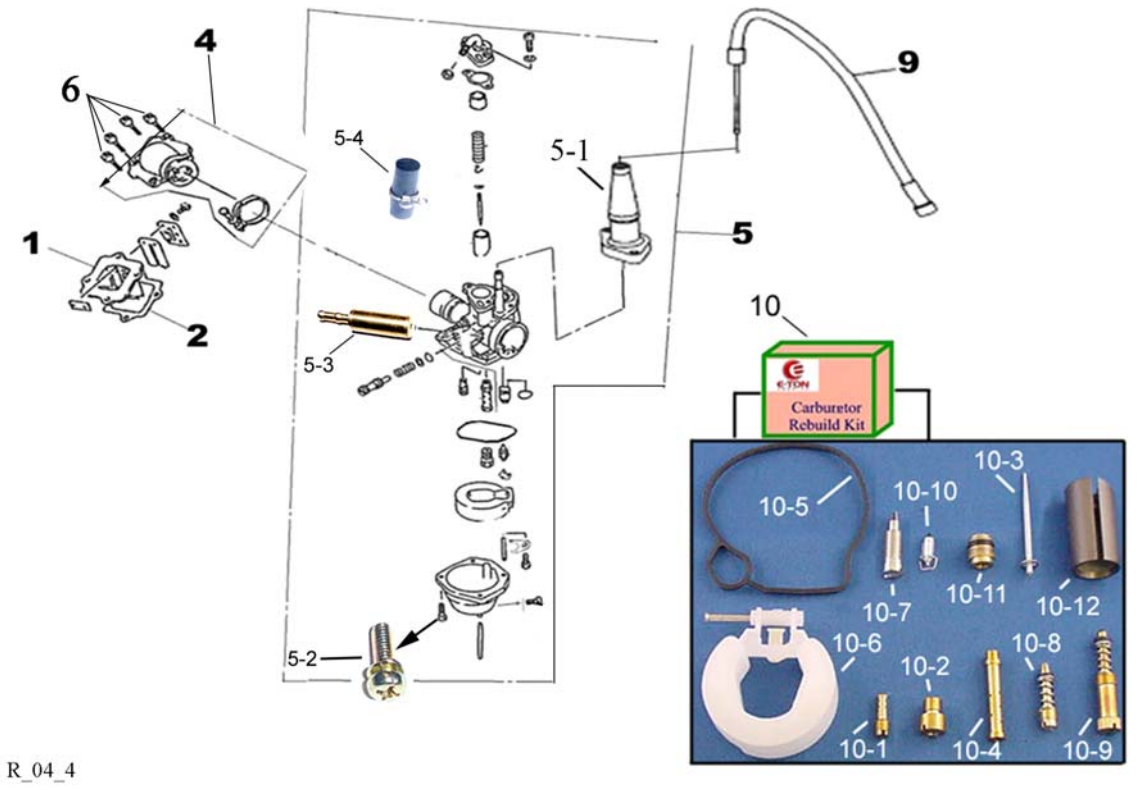
03. Air Filter



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

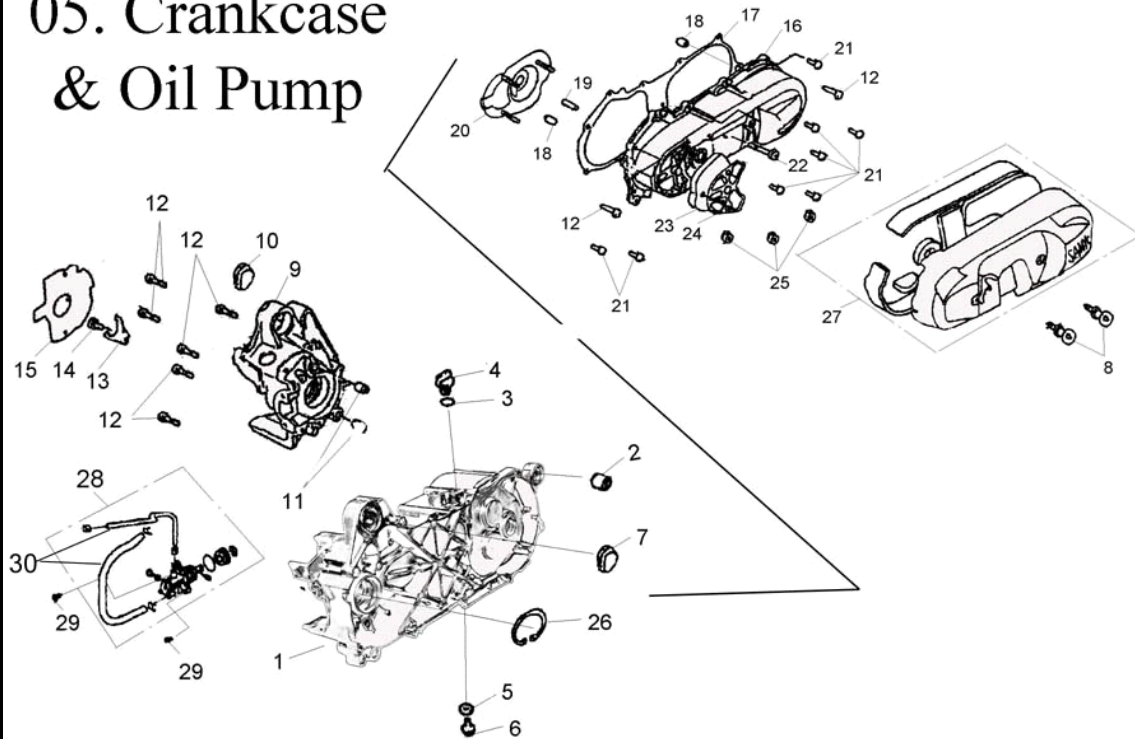
04. Carburetor



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	610205	Carburetor (Manual Choke 90cc)	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	810531	Carburetor Kit (70cc & 90cc)	1
10-1	811089	Pilot Jet #20	1
10-2	810409	Main Jet #85	1
10-3	610401	Jet Needle (*3CR4)	1
10-4	610400	Needle Jet (*681 E-3)	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

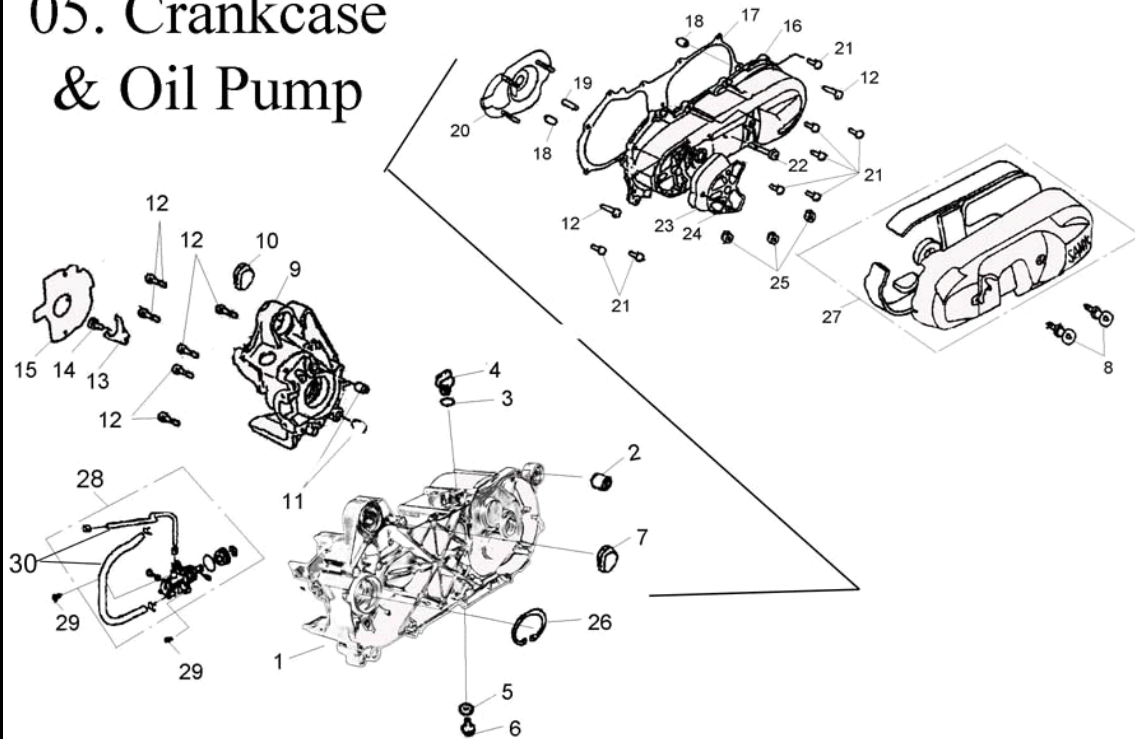
05. Crankcase & Oil Pump



R90R_05_4

Fig Ref	Item No.	Description	Qty Req
5-1	811157	Crankcase 90R (LH)	1
5-2	650150	Rear Shock Absorber Bushing	1
5-3	650166	Oil Filler Plug O-Ring (13.8x2	1
5-4	650165	Oil Filler Plug	1
5-5	650168	Flat Washer (M7x12x1)	1
5-6	650167	Flange Bolt (M8x16)	1
5-7	650139	Rubber Plug	1
5-8	650064	Pan Head Bolt (M6x22)	2
5-9	811001	Crankcase (RH)	1
5-10	650139	Rubber Plug	1
5-11	650153	Dowel Pin (10x14)	2
5-12	650154	Pan Head Bolt (M6x35)	8
5-13	650169	Retainer Plate	1
5-14	650170	Pan Head Bolt (M6x12)	1
5-15	650171	Crankcase Cover Gasket (RH)	1
5-16	650562	Crankcase Cover (LH)	1
5-17	650157	Crankcase Cover Gasket (LH)	1
5-18	650158	Dowel Pin (M10x14)	2
5-19	650161	Dowl Pin (8x31)	1
5-20	650063	Plate	1
5-21	650163	Pan Head Bolt (M6x25)	8
5-22	650164	Pan Head Bolt (M6x65)	1
5-23	650656	C.V.T. Filter Element	1
5-24	810539	Crankcase Air Filter Guide	1
5-25	650065	Nut (M6x11)	3
5-26	650220	Circle-Clip (45.5x17.5)	1

05. Crankcase & Oil Pump



R90R_05_4

Fig Ref	Item No.	Description	Qty Req
5-27	651012	Crankcase Cover	1
5-28	650486	Oil Pump 90cc	1
5-29	650135	Pan Head Bolt (M5x14)	2
5-30	811310	Clear_line Oil Pump Lines	1

06. Transmission

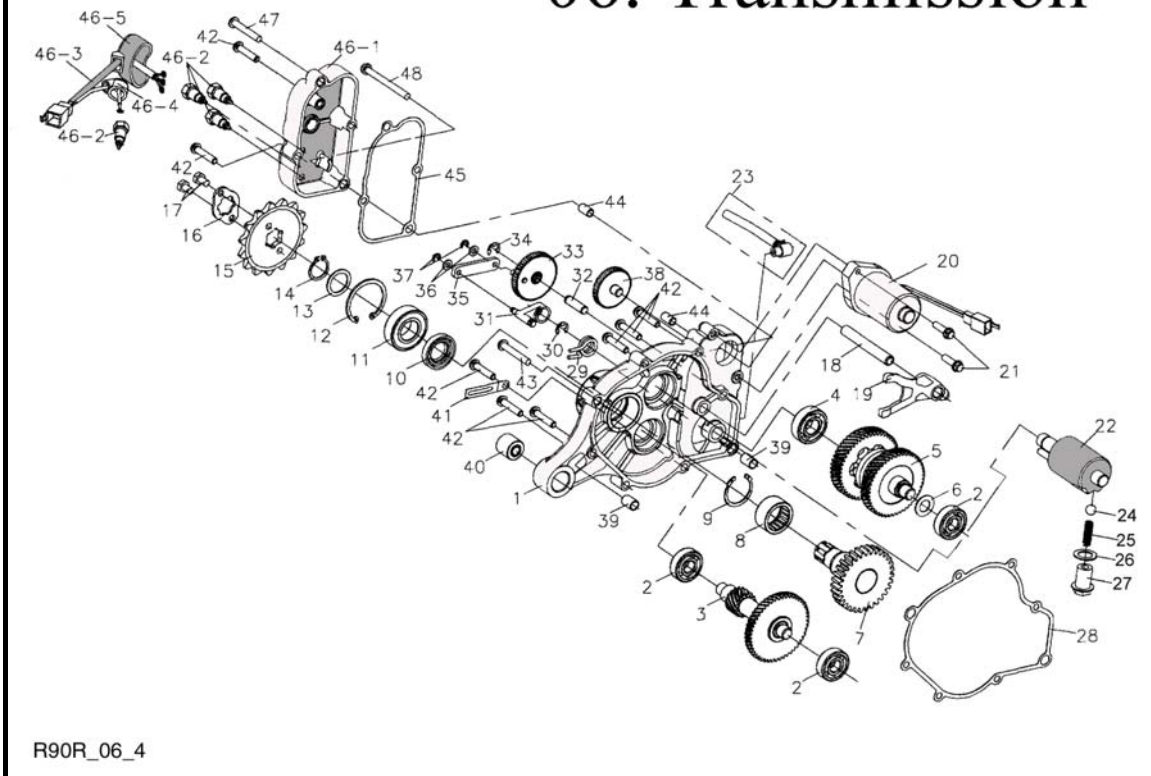
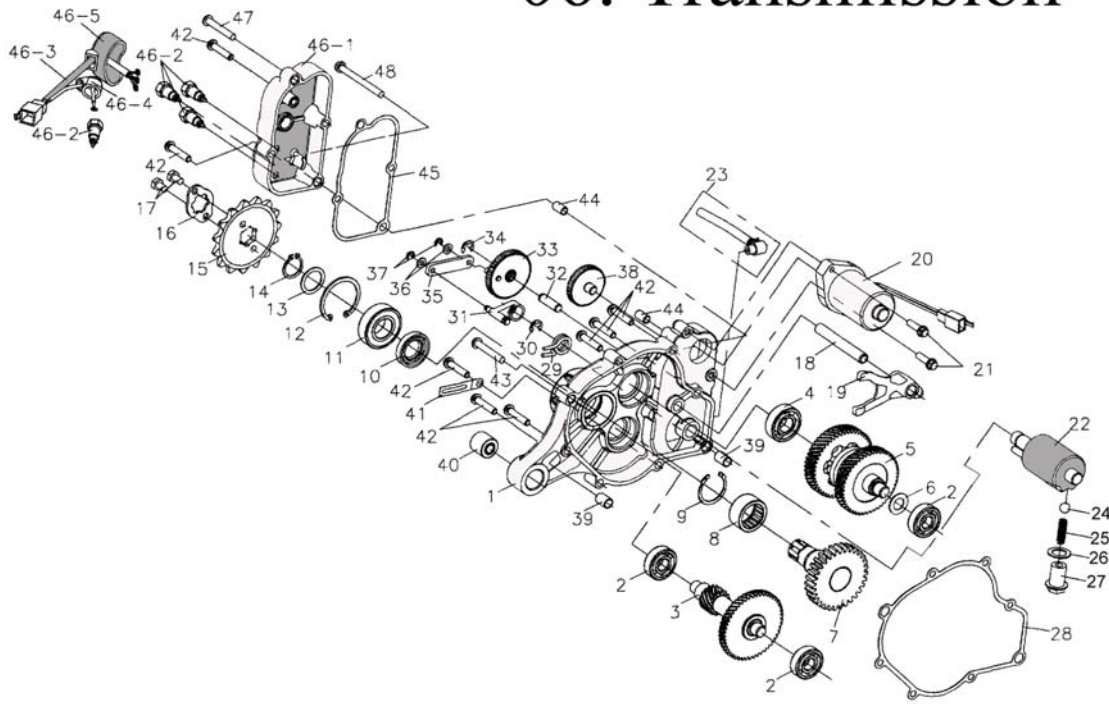


Fig Ref	Item No.	Description	Qty Req
6-1	811014	Transmission Cover	1
6-2	650213	Radial Ball Bearing	3
6-3	811021	Counter Shaft	1
6-4	750388	Bearing (62020)	1
6-5	811023	Gear Shift Shaft	1
6-6	650214	Flat Washer (M11x21x1)	1
6-7	811024	Final Drive Shaft	1
6-8	650217	Needle Bearing	1
6-9	650221	Circle-Clip (34.4x1.2)	1
6-10	650219	Oil Seal (25x35x6)	1
6-11	650218	Bearing (6004LLUA)	1
6-12	650220	Circle-Clip (45.5x17.5)	1
6-13	650222	Flat Washer (M20x25x1)	1
6-14	650223	Circle-Clip #20	1
6-15	650507	Drive Chain Sprocket (520x15T)	1
6-16	650225	Sprocket Plate	1
6-17	650226	Bolt (M6x10)	2
6-18	811160	Shift Fork Rod Guide	1
6-19	811025	Shift Fork	1
6-20	811036	Shift Motor	1
6-21	650143	Flange Bolt (M6x20)	2
6-22	811026	Gear Shift Drum	1
6-23	650151	Breather Hose	1
6-23-1	650991	Breather Joint	1
6-23-2	650992	Breather Hose	1
6-23-3	610190	Tube Clip	1

06. Transmission



R90R_06_4

Fig Ref	Item No.	Description	Qty Req
6-24	800126	Ball Bearing	1
6-25	800125	Fixed Catch Spring	1
6-26	800124	Flat Washer (M14x21x1)	1
6-27	800123	Flange Bolt (M14x20)	1
6-28	811018	Transmission Cover Gasket	1
6-29	811027	Shift Shaft Return Spring	1
6-30	811087	Circle Clip	1
6-31	811032	Driven Arm	1
6-32	811030	Gear Shaft (B)	1
6-33	811029	Gear (B)	1
6-34	811086	Circle Clip	1
6-35	811031	Connecting Plate	1
6-36	811081	Flat Washer (M4x9x1)	2
6-37	811085	Circle Clip	2
6-38	811028	Gear (A)	1
6-39	650158	Dowel Pin (M10x14)	2
6-40	650150	Rear Shock Absorber Bushing	1
6-41	800494	Ignition Coil Wire Clamp	1
6-42	811078	Pan Head Bolt (M6x30)	8
6-43	811079	Pan Head Bolt (M6x40)	1
6-44	800109	Dowel Pin (8x14)	2
6-45	811019	Transmission Side Cover Gasket	1
6-46-1	811015	Transmission Side Cover	1
6-46-2	811040	Shift Switch	4
6-46-3	811041	Shift Sensor Wire Harness	1
6-46-4	811016	Dust Cover (A)	1

06. Transmission

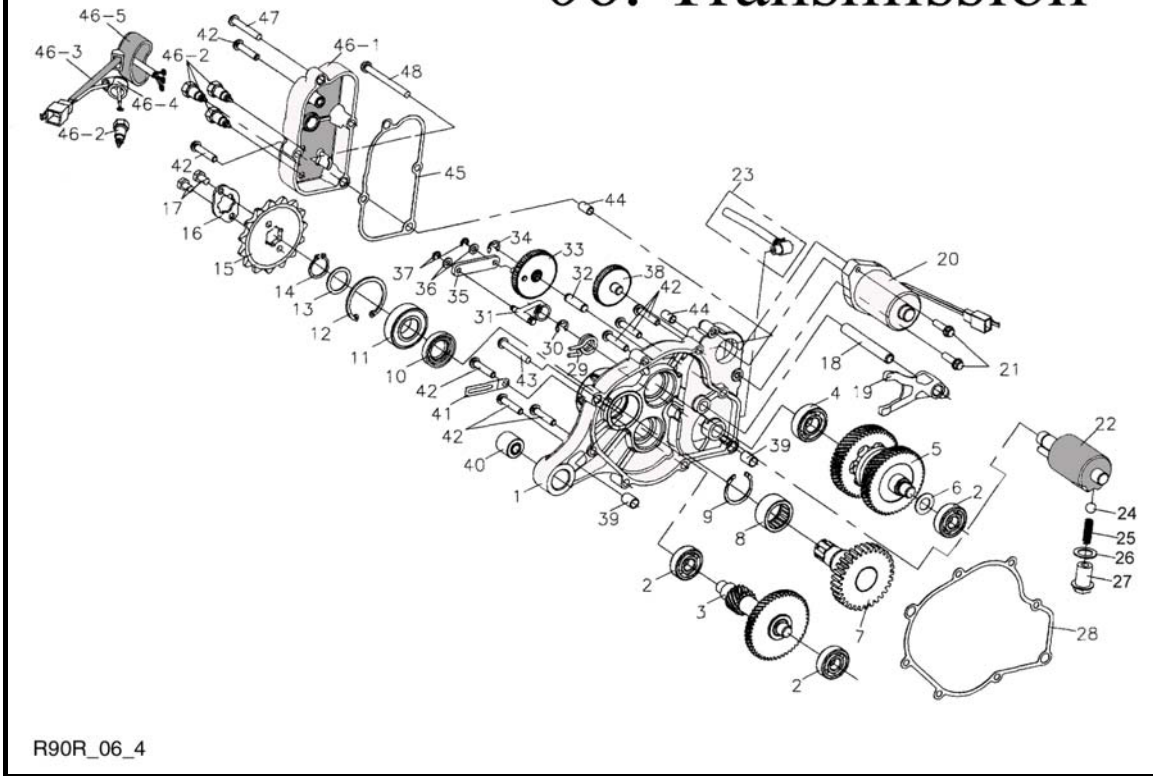
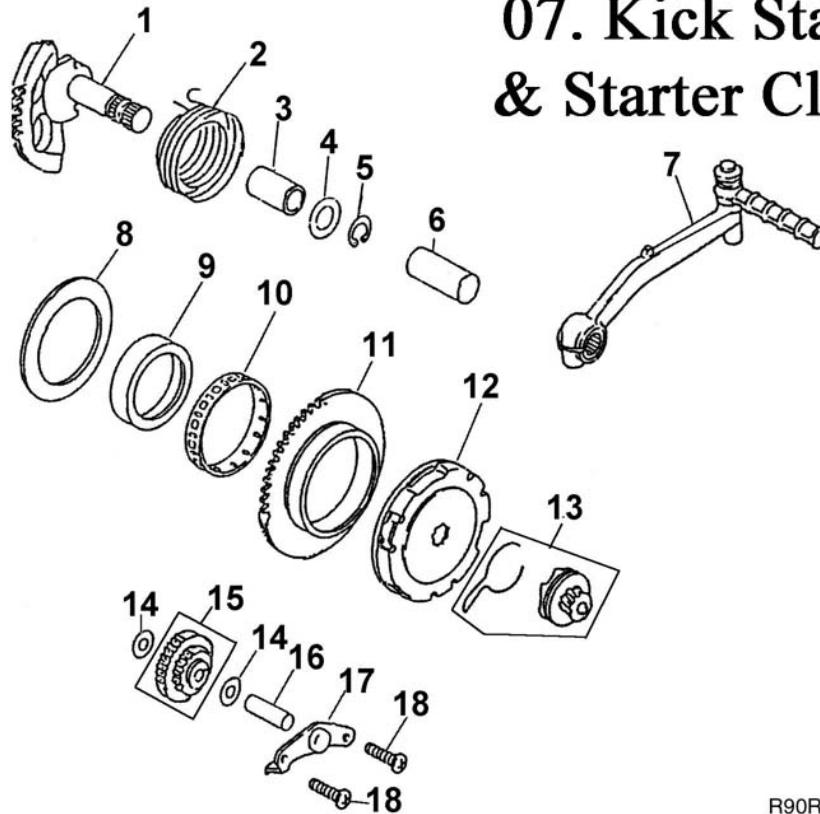


Fig Ref	Item No.	Description	Qty Req
6-46-5	811017	Dust Cover (B)	1
6-47	650154	Pan Head Bolt (M6x35)	1
6-48	650164	Pan Head Bolt (M6x65)	1

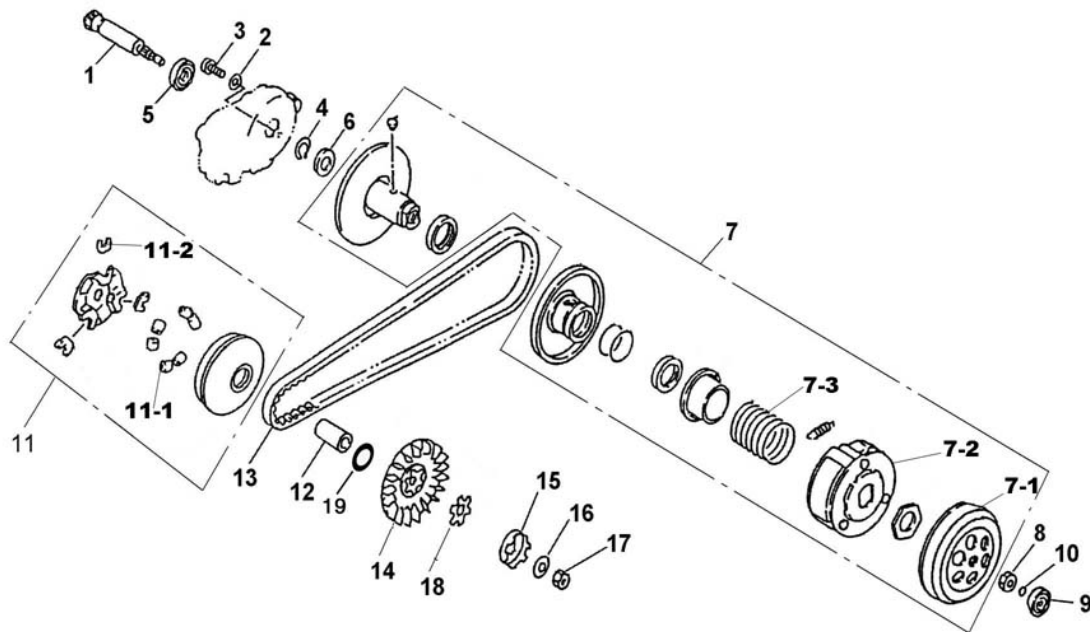
07. Kick Starter & Starter Clutch



R90R_07_4

Fig Ref	Item No.	Description	Qty Req
7-1	650187	Kick Starter Spindle	1
7-2	650188	Torsion Spring	1
7-3	650189	Solid Bushing	1
7-4	650190	Flat Washer (M15x29x1)	1
7-5	650191	Circle-Clip	1
7-6	651007	Kick Starter Shaft Rubber Cap	1
7-7	610136	Kick Starter Crank	1
7-8	650180	Flat Washer (M56x75x1)	1
7-9	650179	Boss Gear	1
7-10	650178	Needle Bearing	1
7-11	810533	Starter Wheel	1
7-12	650494	Starter Clutch	1
7-13	650194	Kick Pinion Gear	1
7-14	650184	Flat Washer (M7x15x1)	2
7-15	650495	Starter Motor Reduction Gear	1
7-16	650658	Idle Gear Shaft	1
7-17	650185	Reduction Gear Retainer Plate	1
7-18	610201	Pan Head Bolt & Washer (M6x14)	2

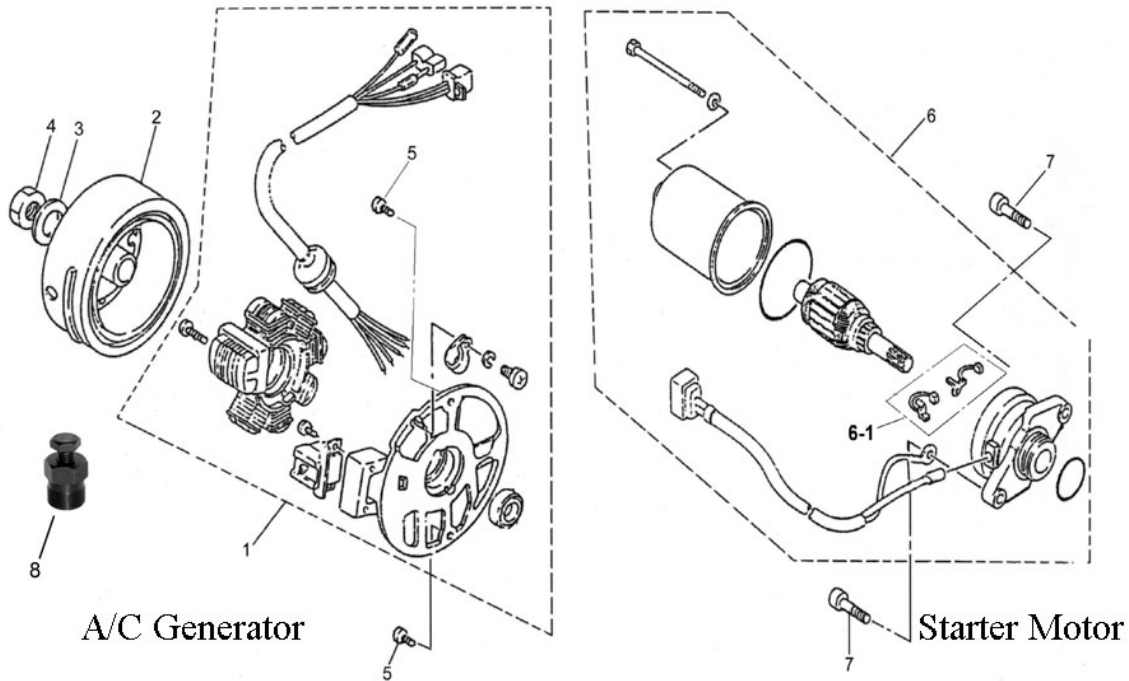
08. (C.V.T.) Driven Pulley



R_08_4

Fig Ref	Item No.	Description	Qty Req
8-1	811022	Drive Shaft	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	650498	Secondary Drive Pulley	1
8-7-1	811531	Drive Clutch Drum	1
8-7-2	811528	Drive Clutch Assembly	1
8-7-3	811530	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	650500	Drive Clutch Sliding Face	1
8-11-1	811525	Clutch Rollers 7.5g (Set 6)	1
8-11-2	811527	Slide Retainer Clips (Set 3)	1
8-12	650501	Collar	1
8-13	650207	V-Belt	1
8-14	650502	Primary Fixed Sheave	1
8-15	650503	Kick Starter Ratchet	1
8-16	650210	Conical Washer (M10x22)	1
8-17	650211	Hex Nut (M10x16x1.25)	1
8-18	811020	Drive Face Washer	1
8-19	811127	Flat Washer (M12x16x1)	1

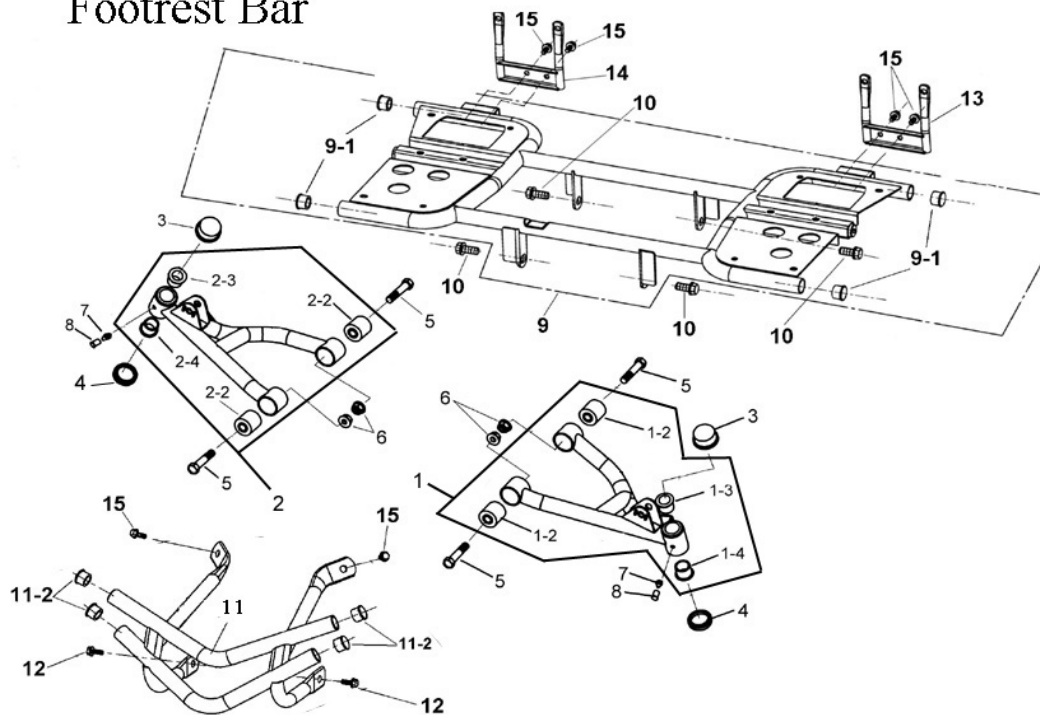
10. A/C Generator & Starter Motor



R_10_4

Fig Ref	Item No.	Description	Qty Req
10-1	811544	AC Generator	1
10-2	811551	Flywheel	1
10-3	650509	Flat Washer (M13x25x2))	1
10-4	650510	Flange Nut (M12x22)	1
10-5	650238	Pan Head Bolt (M6x16)	2
10-6	650511	Starter Motor	1
10-6-1	811034	Starter Motor Brushes (Pair)	1
10-7	650143	Flange Bolt (M6x20)	2
10-8	650660	Fly Wheel Puller Tool	1

13. Front Bumper, A-Arms & Footrest Bar



R_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	650283	Oil Containing Bushing (17)	1
13-1-4	650282	Oil Containing Bushing (015.5)	1
13-2	610047	A-Arm (RH) Silver	1
13-2-2	650253	Bushing	2
13-2-3	650283	Oil Containing Bushing (17)	1
13-2-4	650282	Oil Containing Bushing (015.5)	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	610058	Front Bumper Bar (Silver)	1
13-11-2	610066	Rubber Plug	4
13-12	650294	Flange Bolt (M8 X 16)	2
13-13	610064	Footrest Rear Guard Bar (LH)	1
13-14	610065	Footrest Rear Guard Bar (RH)	1
13-15	650271	Flange Bolt (M6 X 12)	6

12. Frame

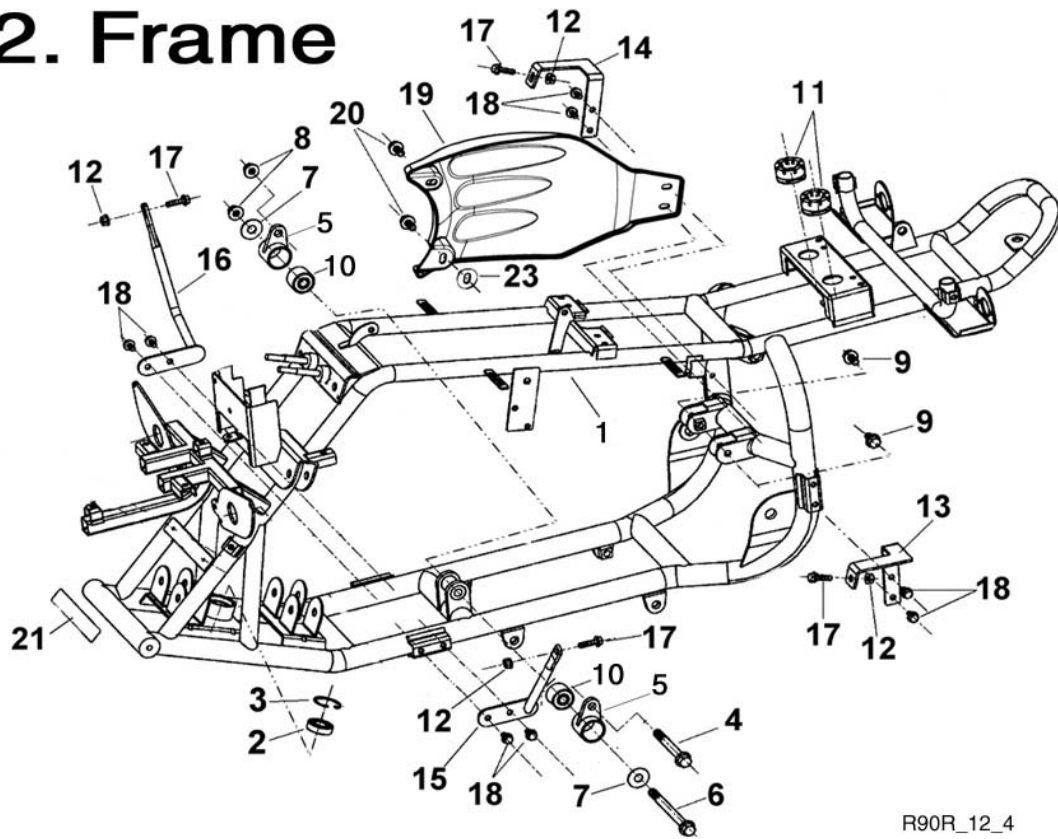
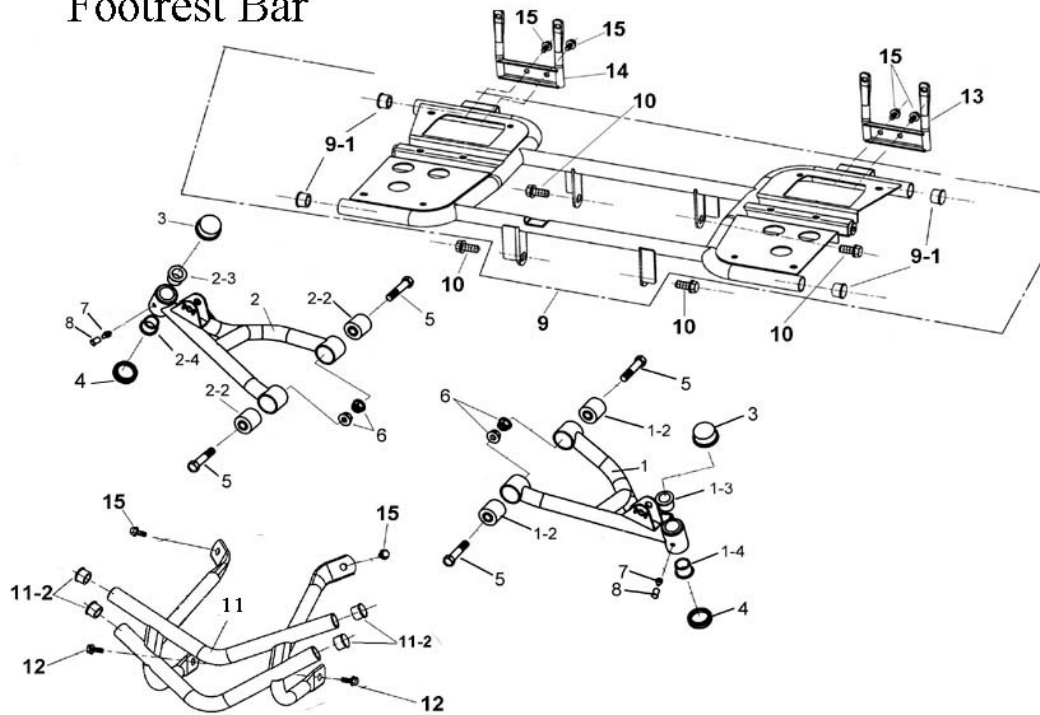


Fig Ref	Item No.	Description	Qty Req
12-1	610041	Viper Frame	1
12-2	650967	Bearing (6002ZZ)	1
12-3	650248	Circle-Clip	1
12-4	650251	Engine Set Bolt (M10 X 85)	1
12-5	650252	Engine Suspension Bracket	2
12-6	650254	Engine Set Bolt (M10 X 115)	1
12-7	650265	Flat Washer (M11x28x1)	2
12-8	700320	Locking Flange Nut (M10)	2
12-9	650256	Flange Bolt (M8 X 36)	2
12-10	650253	Bushing	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
12-12	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	811043	Side Chain Shield	1
12-20	650294	Flange Bolt (M8 X 16)	2
12-21	650306	MFD Label	1
12-23	811011	Heat Shield Washer (M15x28x2)	1

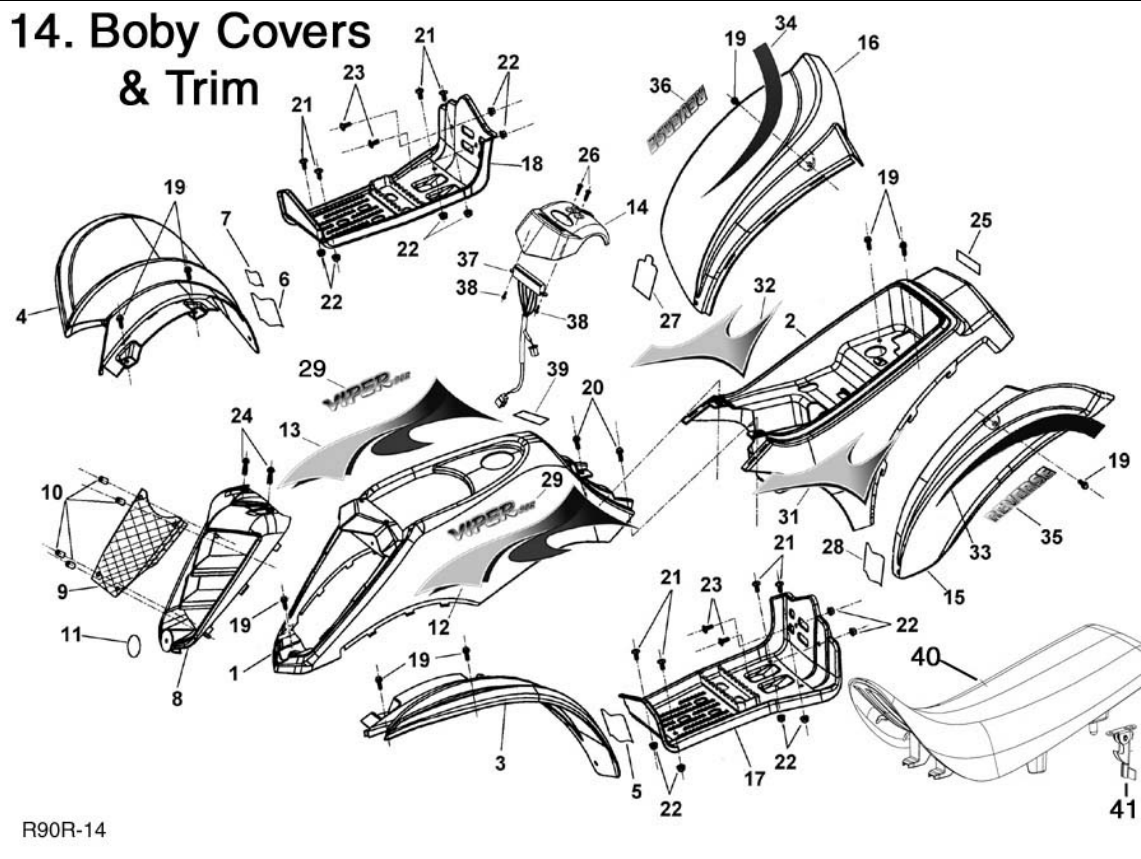
13. Front Bumper, A-Arms & Footrest Bar



R_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	650283	Oil Containing Bushing (17)	1
13-1-4	650282	Oil Containing Bushing (015.5)	1
13-2	610047	A-Arm (RH) Silver	1
13-2-2	650253	Bushing	2
13-2-3	650283	Oil Containing Bushing (17)	1
13-2-4	650282	Oil Containing Bushing (015.5)	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	610058	Front Bumper Bar (Silver)	1
13-11-2	610066	Rubber Plug	4
13-12	650294	Flange Bolt (M8 X 16)	2
13-13	610064	Footrest Rear Guard Bar (LH)	1
13-14	610065	Footrest Rear Guard Bar (RH)	1
13-15	650271	Flange Bolt (M6 X 12)	6

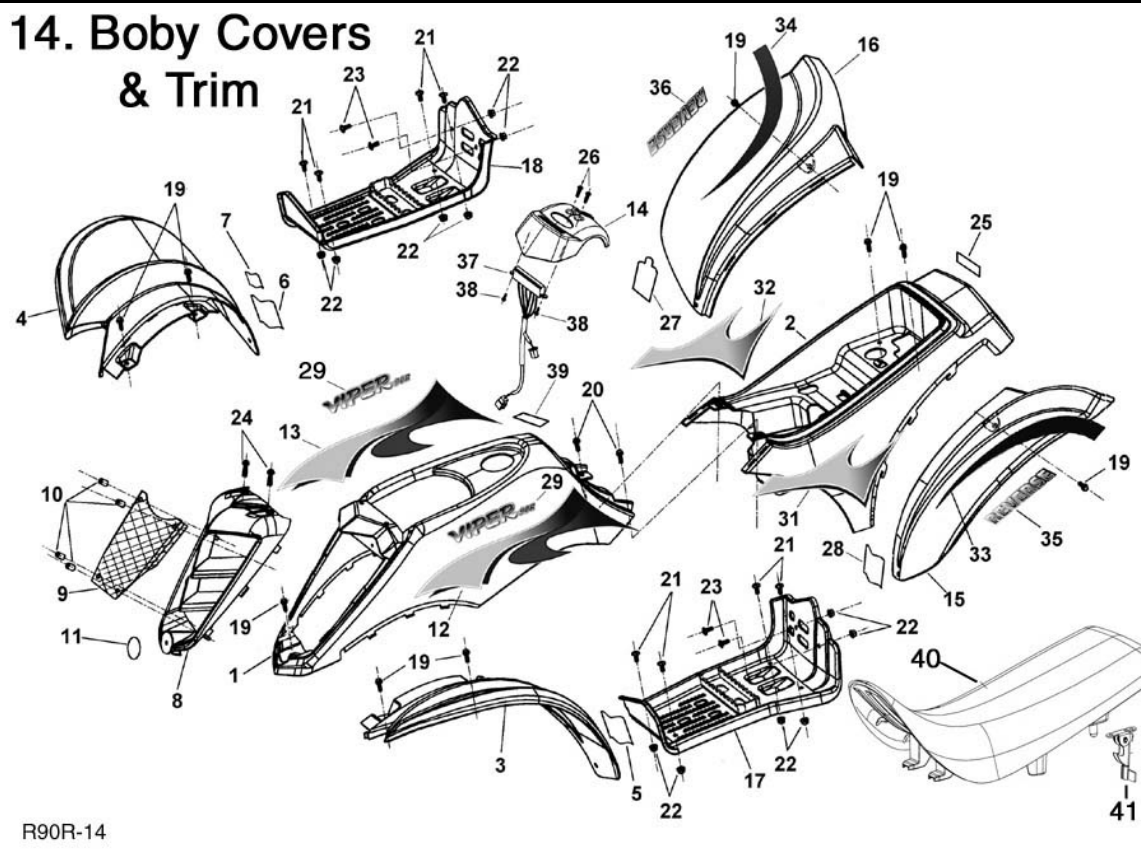
14. Body Covers & Trim



R90R-14

Fig Ref	Item No.	Description	Qty Req
14-1	610087	Front Body Cover (Blue)	1
14-1	610085	Front Body Cover (Yellow)	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	610093	Rear Body Cover (Yellow)	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	610079	Front Fender Panel (LH-Yellow)	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	610082	Front Fender Panel (RH-Yellow)	1
14-4	610083	Front Fender Panel (RH-Red)	1
14-4	610303	Front Fender Panel (RH-Black)	1
14-5	610106	Tire Pressure Label	1
14-6	811065	Warning Label (Y12)	1
14-8	610090	Front Grill Panel (Blue)	1
14-8	610088	Front Grill Panel (Yellow)	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
14-11	750270	E-TON Logo Emblem (Silver)	1
14-12	610179	Viper Frnt Body Grph (Ylw/LH)	1

14. Body Covers & Trim



R90R-14

Fig Ref	Item No.	Description	Qty Req
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	811062	Handlebar Cover (Blue)	1
14-14	811060	Handlebar Cover (Yellow)	1
14-14	811061	Handlebar Cover (Red)	1
14-14	811059	Handlebar Cover (Black)	1
14-15	610100	Rear Fender Panel (LH-Blue)	1
14-15	610098	Rear Fender Panel (LH-Yellow)	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	610101	Rear Fender Panel (RH-Yellow)	1
14-16	610102	Rear Fender Panel (RH-Red)	1
14-16	610305	Rear Fender Panel (RH-Black)	1
14-17	610096	Foot Rest Cover/Guard (LH)	1
14-18	610097	Foot Rest Cover/Guard (RH)	1
14-19	650262	Bolt Washer & Nut (M6x18)	9
14-20	650901	Bolt & Washer (M6x20)	2
14-21	610118	Pan Head Bolt (M6x20)	8
14-22	800504	Locking Flange Nut (M6x11)	12
14-23	650943	Button Head Bolt (M6x18)	4
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. Body Covers & Trim

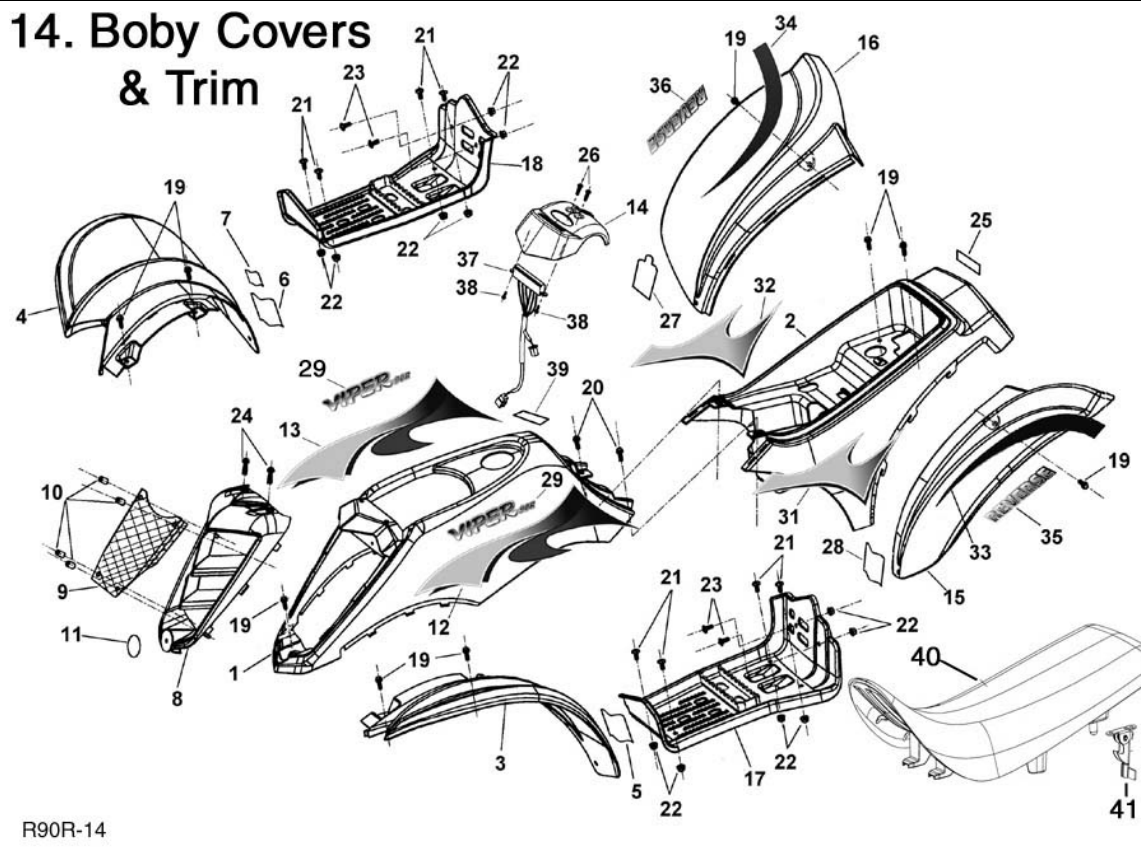


Fig Ref	Item No.	Description	Qty Req
14-28	650303	Warning Label (Passanger-Y12)	1
14-29	811066	Viper 90R Graphic	2
14-31	610185	Viper Rear Body Grph (Ylw/LH)	1
14-31	610186	Viper Rear Body Grph (Red/LH)	1
14-32	610187	Viper Rear Body Grph (Ylw/RH)	1
14-32	610188	Viper Rear Body Grph (Red/RH)	1
14-33	610183	Viper Rear Fender Graphic (LH)	1
14-34	610184	Viper Rear Fender Graphic (RH)	1
14-35	811183	Viper 90R Reverse Graphic (LH)	1
14-36	811068	Viper 90R Reverse Graphic (RH)	1
14-37	811042	Indicator Light Panel	1
14-38	650729	Self Tapping Screw (M4x16)	2
14-39	810244	Gear Shifting Warning Label	1
14-40	610172	Viper Seat (Blk/Ylw)	1
14-40	610173	Viper Seat (Blk/Red)	1
14-41	610092	Seat Latch	1
14-NP	811192	RXL90R Grph Kit (.05 Frnt Ylw)	1
14-NP	811194	RXL90R Grph Kit (.05 Rear Ylw)	1

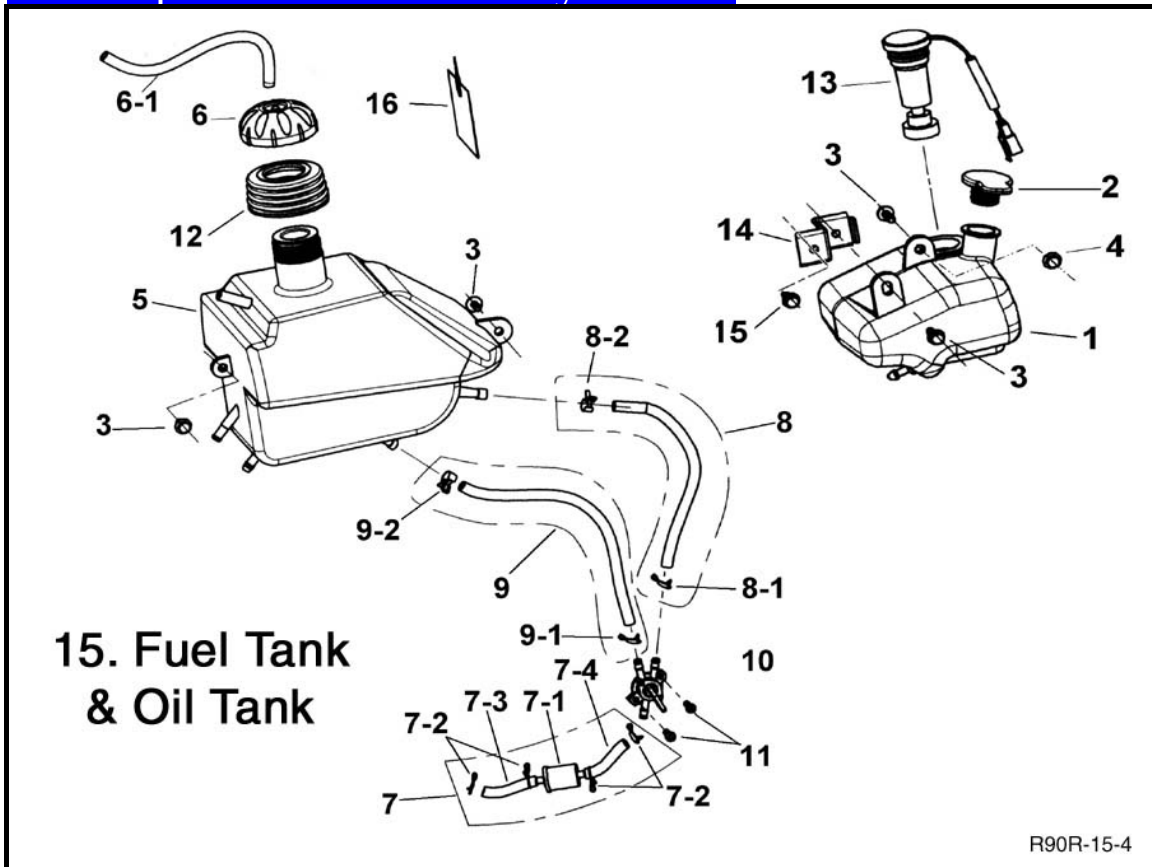
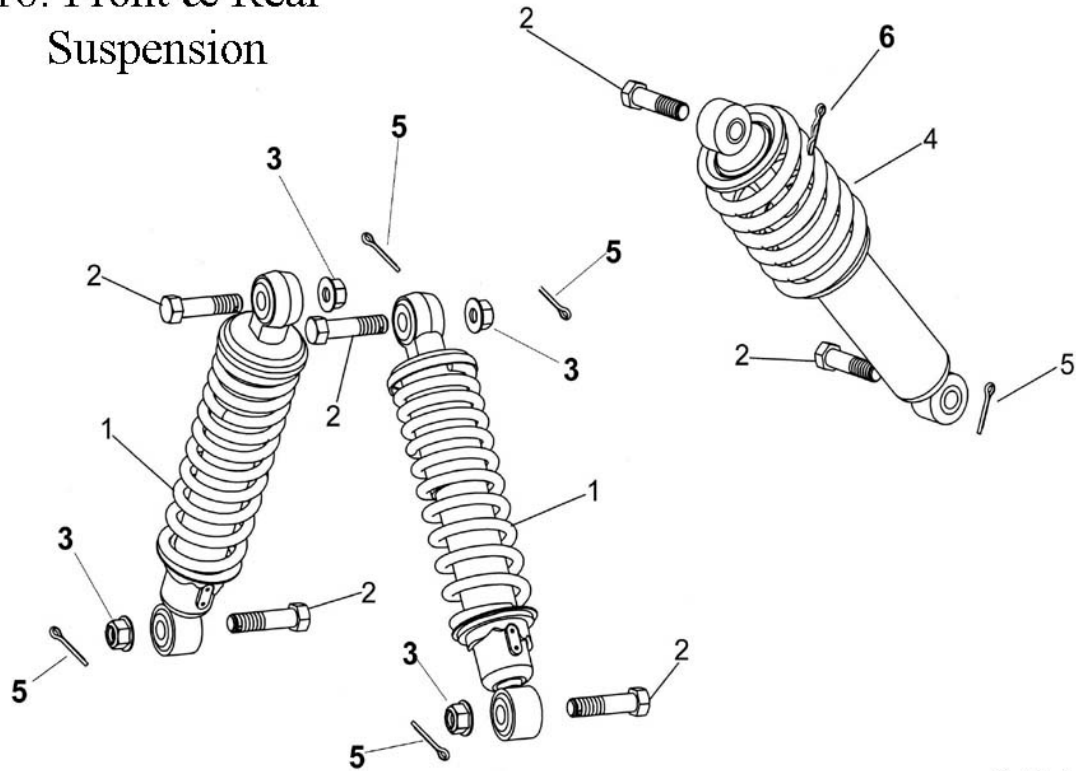


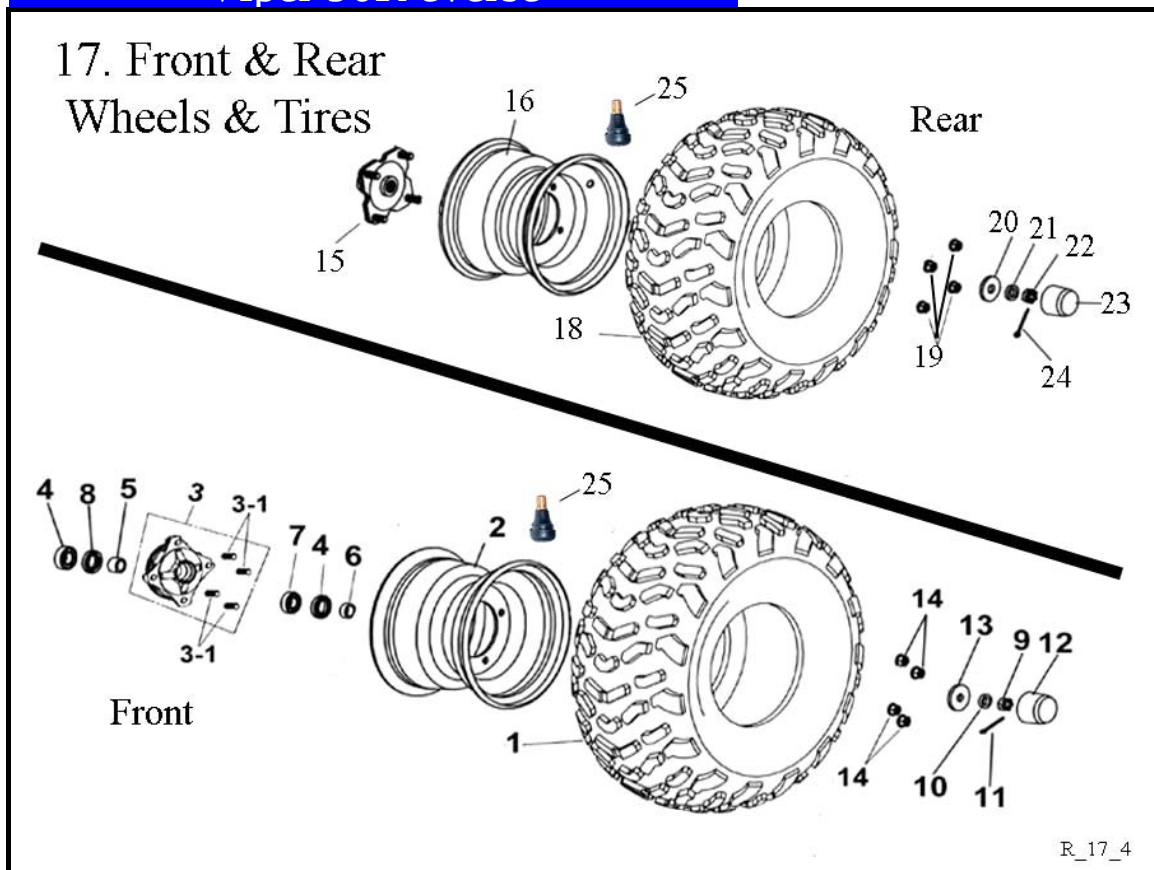
Fig Ref	Item No.	Description	Qty Req
15-1	811063	Oil Tank (PMX)	1
15-2	650323	Oil Tank Cap	1
15-3	650901	Bolt & Washer (M6x20)	4
15-4	750334	Nut (M6x10)	1
15-5	811005	Fuel Tank (Plastic)	1
15-5	811050	Fuel Tank (Metal)	1
15-6	650327	Fuel Tank Cap	1
15-6-1	650853	Breather Tube	1
15-7	650328	Fuel Filter & Lines	1
15-7-1	800002	Fuel Filter Element	1
15-7-2	610008	Fuel Line Clip - A	4
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	650862	Fuel Cap Neck Seal	1
15-13	610138	Oil Tank Sending Unit	1
15-14	811003	Oil Tank Bracket	1
15-15	650453	Pan Head Bolt & Washer (M6x16)	1
15-16	811069	Premix Warning Tag	1

16. Front & Rear Suspension



R_16_4

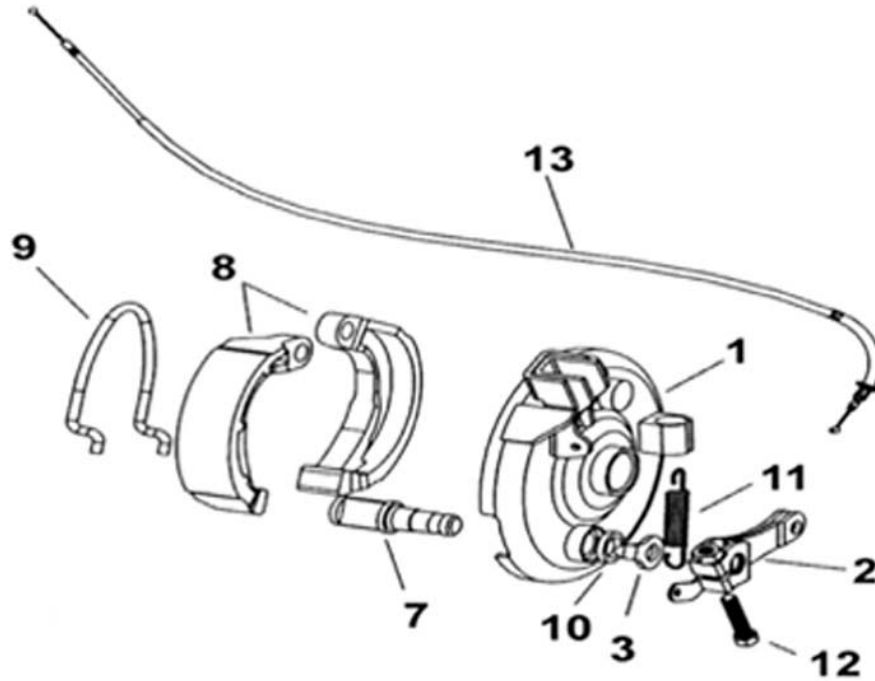
Fig Ref	Item No.	Description	Qty Req
16-1	610068	Front Shock Absorber (Silver)	2
16-2	650997	Pin Hole Bolt (M10 X 40)	6
16-3	750375	Locking Flange Nut (M10x19)	4
16-4	650036	Rear Shock Absorber	1
16-5	650339	Cotter Pin (1/8 x 1)	5
16-6	750318	Hair Pin Cotter	1



R_17_4

Fig Ref	Item No.	Description	Qty Req
17-1	610163	Front Tire (18x7x8)	2
17-2	650537	Wheel Rim (8x5.5 AT26)	2
17-3	650538	Front Brake Drum	2
17-3-1	610040	Stub Bolt (M10x33)	8
17-4	650345	Oil Seal (22x35x7)	4
17-5	650346	Inner Spacer (15x21.7X15)	2
17-6	650347	Outer Spacer (15x21.7x10)	2
17-7	650999	Bearing (6002LLU)	2
17-8	750385	Bearing (6003LLU)	2
17-9	650350	Castle Nut (M12x16)	2
17-10	610139	Flat Washer (M12x20x2)	2
17-11	811084	Cotter Pin	2
17-12	650353	Rubber Hub Cap	2
17-13	650354	Flat Washer (M10x40x4)	2
17-14	650961	Locking Flange Nut (M10x20)	8
17-15	650698	Shaft Connector	2
17-16	610140	Rear Wheel Rim (8x5.5 AT24)	2
17-18	610160	Rear Tire (18x9x8)	2
17-19	650961	Locking Flange Nut (M10x20)	8
17-20	650368	Flat Washer (M14x40x5))	2
17-21	650363	Flat Washer (M15x24x5)	2
17-22	650362	Castle Nut (M14x19)	2
17-23	650353	Rubber Hub Cap	2
17-24	811084	Cotter Pin	2
17-25	811000	Wheel Valve Stem	4

18. Front Brakes



R_18_4

Fig Ref	Item No.	Description	Qty Req
18-1	650371	Front Brake Panel (LH)	1
18-1	650374	Front Brake Panel (RH)	1
18-2	650372	Front Brake Arm (LH)	1
18-2	650375	Front Brake Arm (RH)	1
18-3	650373	Front Brake Wear Indicator	2
18-7	650377	Front Brake Arm Cam	2
18-8	650378	Front Brake Shoe (Set)	2
18-9	650379	Brake Shoe Spring	2
18-10	650380	Brake Panel Felt Seal	2
18-11	650381	Brake Return Spring	2
18-12	650382	Bolt (M5 X 24)	2
18-13	610078	Front Brake Cable	2

19. Rear Disc Brake

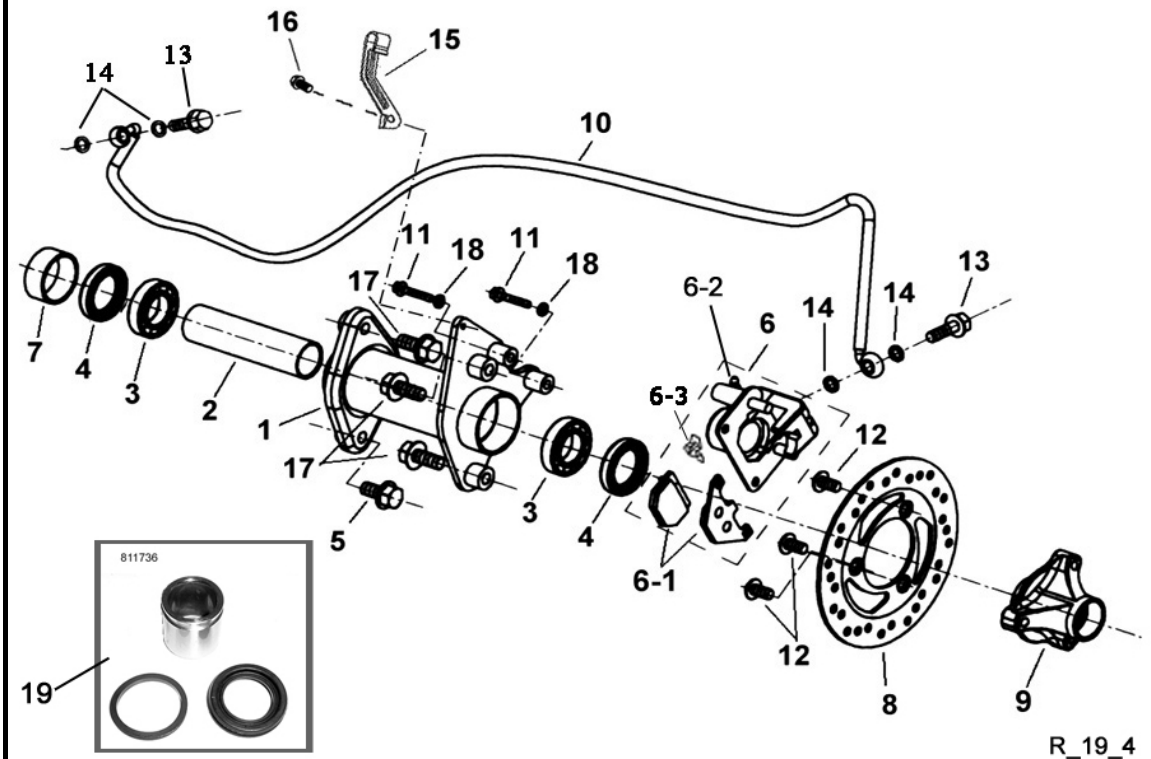
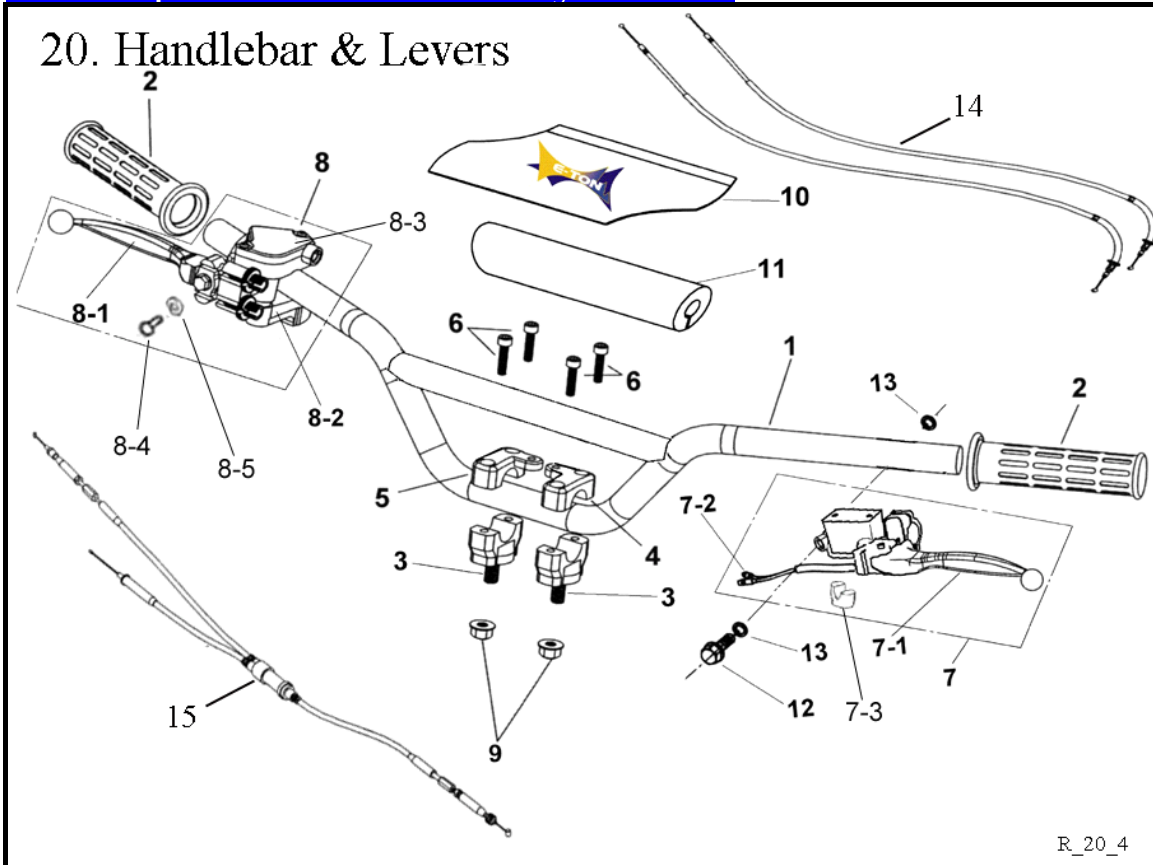


Fig Ref	Item No.	Description	Qty Req
19-1	610141	Rear Axle Bearing Seat	1
19-2	650385	Inner Axle Spacer	1
19-3	650386	Bearing (6006ZZ)	2
19-4	650811	Oil Seal (42x55x8)	2
19-5	650395	Flange Bolt (M12 X 25)	1
19-6	610142	Rear Disc Brake Caliper	1
19-6-1	812805	Disc Brake Pads (Standard)	1
19-6-1	610143	Disc Brake Pads (Heavy Duty)	1
19-6-2	610010	Bleeder Valve & Cap	1
19-6-3	811466	Caliper Retainer Clip	1
19-7	811045	Outer Axle Spacer	1
19-8	610144	Rear Brake Rotor	1
19-9	610145	Brake Rotor Mount	1
19-10	610146	Rear Hydraulic Brake Line	1
19-11	650927	Flange Bolt (M8x35)	2
19-12	750292	Allen Head Bolt (M10x20)	3
19-13	750314	Brake Hose Union Bolt M10x21	2
19-14	750309	Flat Washer (M10x12x1)	4
19-15	610148	Brake Line Clip	1
19-16	650271	Flange Bolt (M6 X 12)	1
19-17	650396	Flange Bolt (M12 X 28)	3
19-18	650424	Spring Washer (M8x14x2)	2
19-19	811736	Brake Caliper Service Kit	1

20. Handlebar & Levers



R_20_4

Fig Ref	Item No.	Description	Qty Req
20-1	811054	Handlebar	1
20-2	650410	Handlebar Grip	2
20-3	650411	Handlebar Clamp (Bottom)	2
20-4	650412	Handlebar Clamp Cap (LH)	1
20-5	650413	Handlebar Clamp Cap (RH)	1
20-6	650558	Socket Bolt (M6 X 25)	4
20-7	610149	Brake Master Cylinder & Lever	1
20-7-1	810561	Brake Lever (LH)	1
20-7-2	610152	Brake Switch Assembly	1
20-7-3	812416	Master Cylinder Bottom Clamp	1
20-8	610154	Front Brake Lever (RH)	1
20-8-1	610151	Lever, (only-RH)	1
20-8-2	610150	Throttle Lever (RH)	1
20-8-3	812425	Throttle Cover Assembly	1
20-8-4	650135	Pan Head Bolt (M5x14)	1
20-8-5	813213	Nut (M5x8)	1
20-9	650255	Locking Flange Nut (M10x19)	2
20-10	811055	Handlebar Pad Cover	1
20-10	813846	Handlebar Pad Cover (Black)	1
20-11	811056	Handlebar Pad	1
20-12	750314	Brake Hose Union Bolt M10x21	1
20-13	750309	Flat Washer (M10x12x1)	2
20-14	610078	Front Brake Cable	2
20-15	610013	Throttle Cable Assembly	1

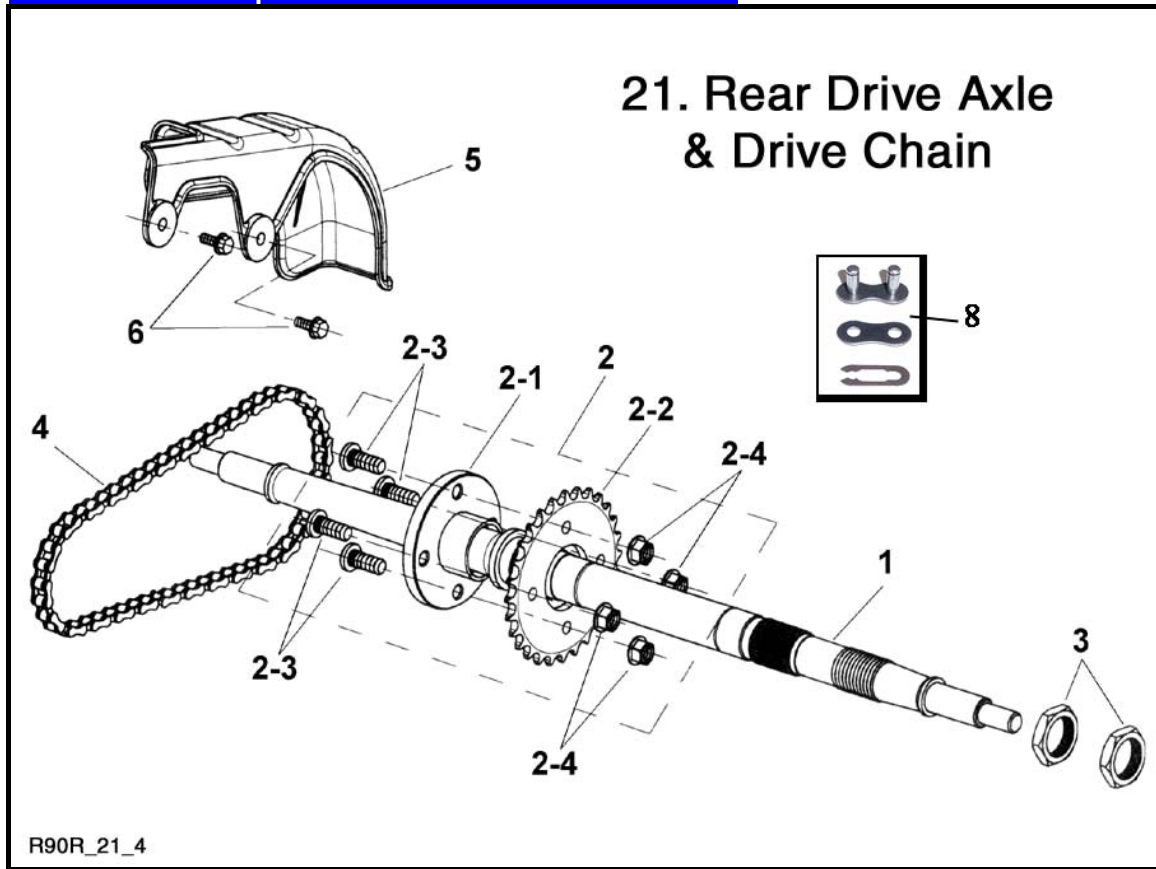


Fig Ref	Item No.	Description	Qty Req
21-1	650550	Rear Axle	1
21-2	650551	Rear Sprocket 520x28T & Holder	1
21-2-1	650422	Rear Sprocket Holder	1
21-2-2	610037	Rear Sprocket (M520x28T)	1
21-2-3	650552	Stud Bolt (M10x25))	4
21-2-4	650255	Locking Flange Nut (M10x19)	4
21-3	650555	Rear Axle Nut (M28x35x8)	2
21-4	650081	Drive Chain (520x70T)	1
21-5	811046	Upper Rear Chain Guard	1
21-6	650417	Flange Bolt (M8x30)	2
21-8	810591	Master Link #520	1

22. Swing Arm & Skid Plates

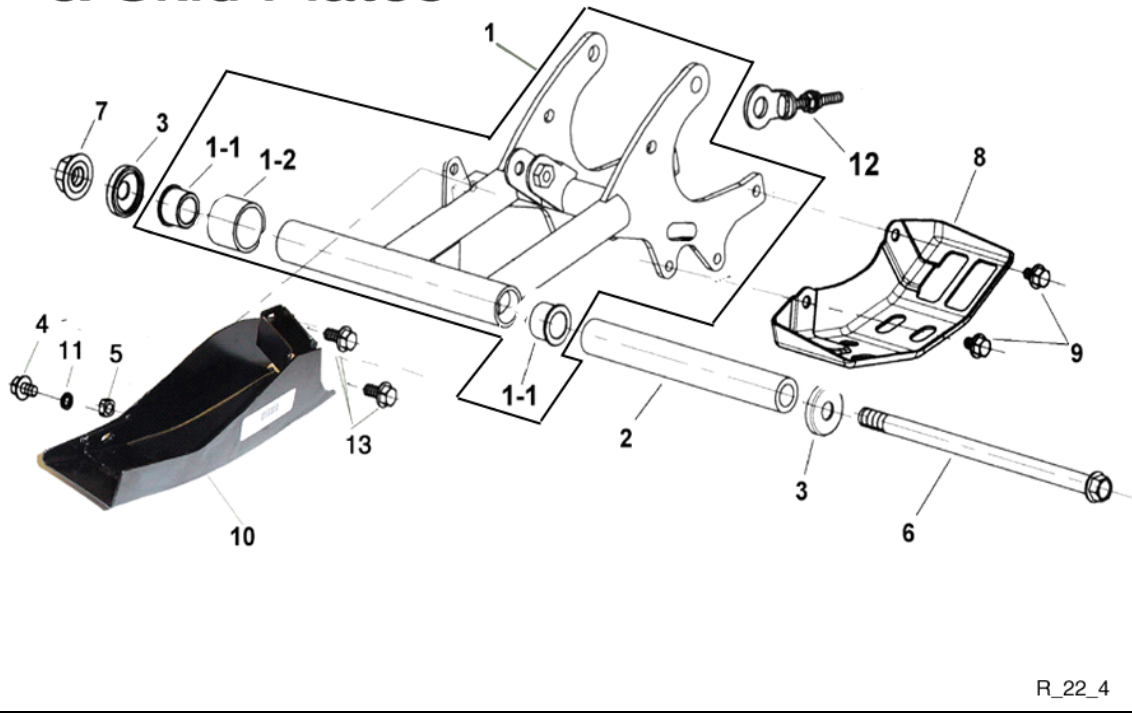
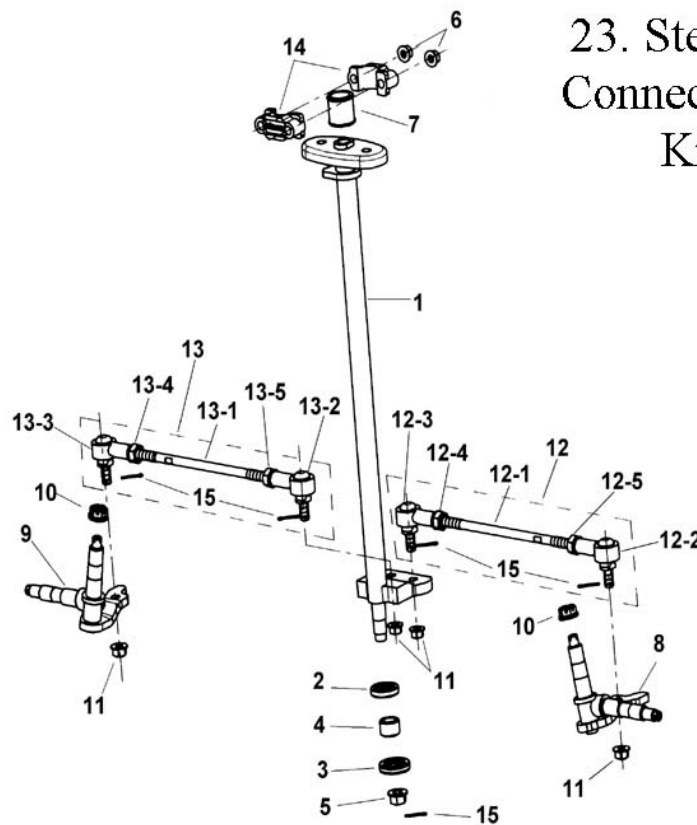


Fig Ref	Item No.	Description	Qty Req
22-1	811053	Swing Arm	1
22-1-1	650273	Oil Containing Bushing (020)	2
22-1-2	650276	Swing Arm Chain Protector	1
22-2	650274	Swing Arm Spacer (20x14.1x254)	1
22-3	650275	Swing Arm Seal Cover (30.8x35.	2
22-4	650417	Flange Bolt (M8x30)	1
22-5	650279	Locking Flange Nut (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)	2
22-12	650966	Chain Adjuster	1
22-13	650294	Flange Bolt (M8 X 16)	2

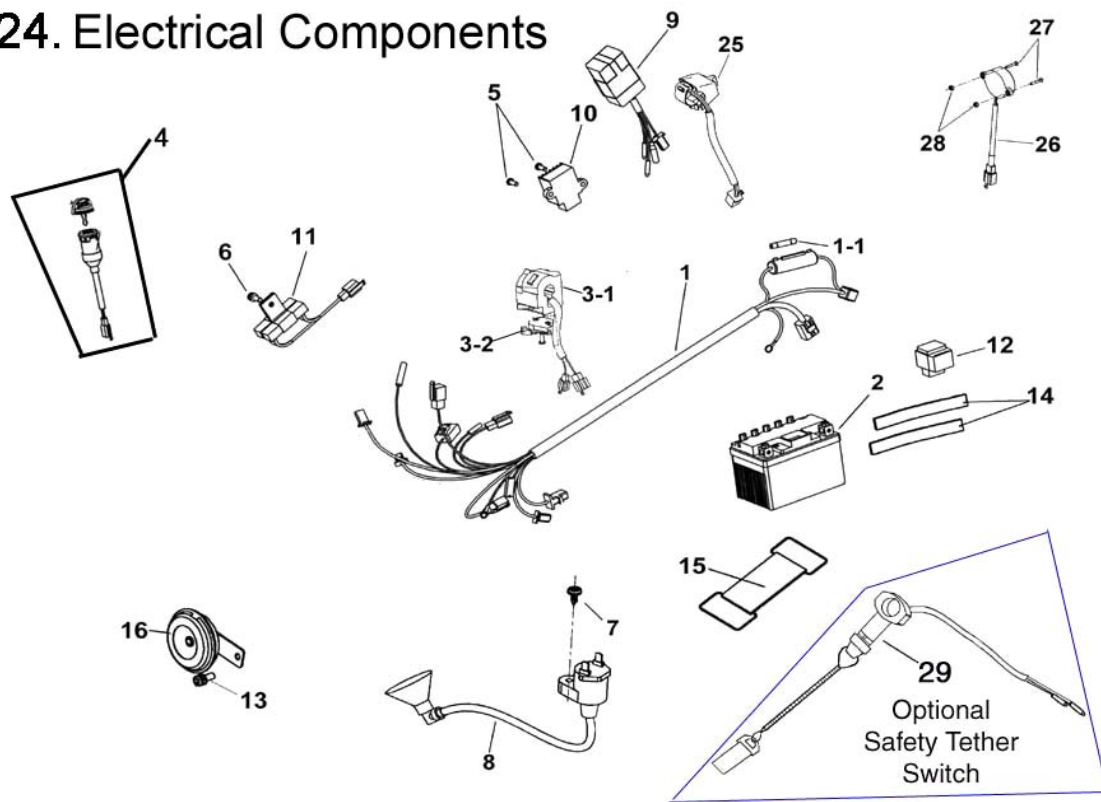


23. Steering Shaft, Connecting Rods & Knuckles

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

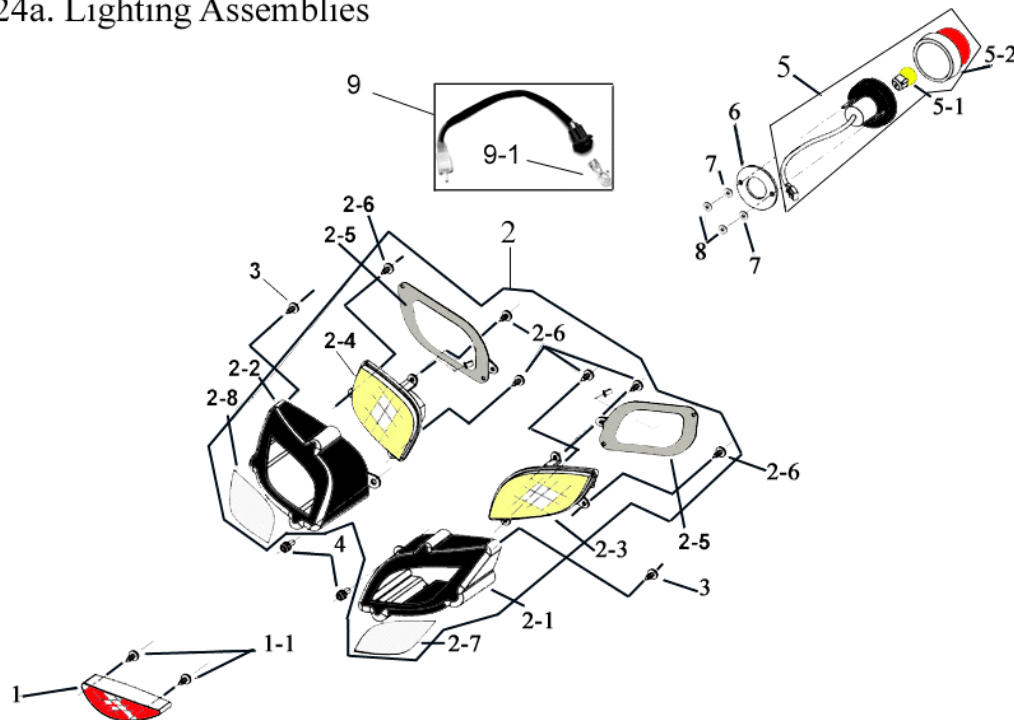
24. Electrical Components



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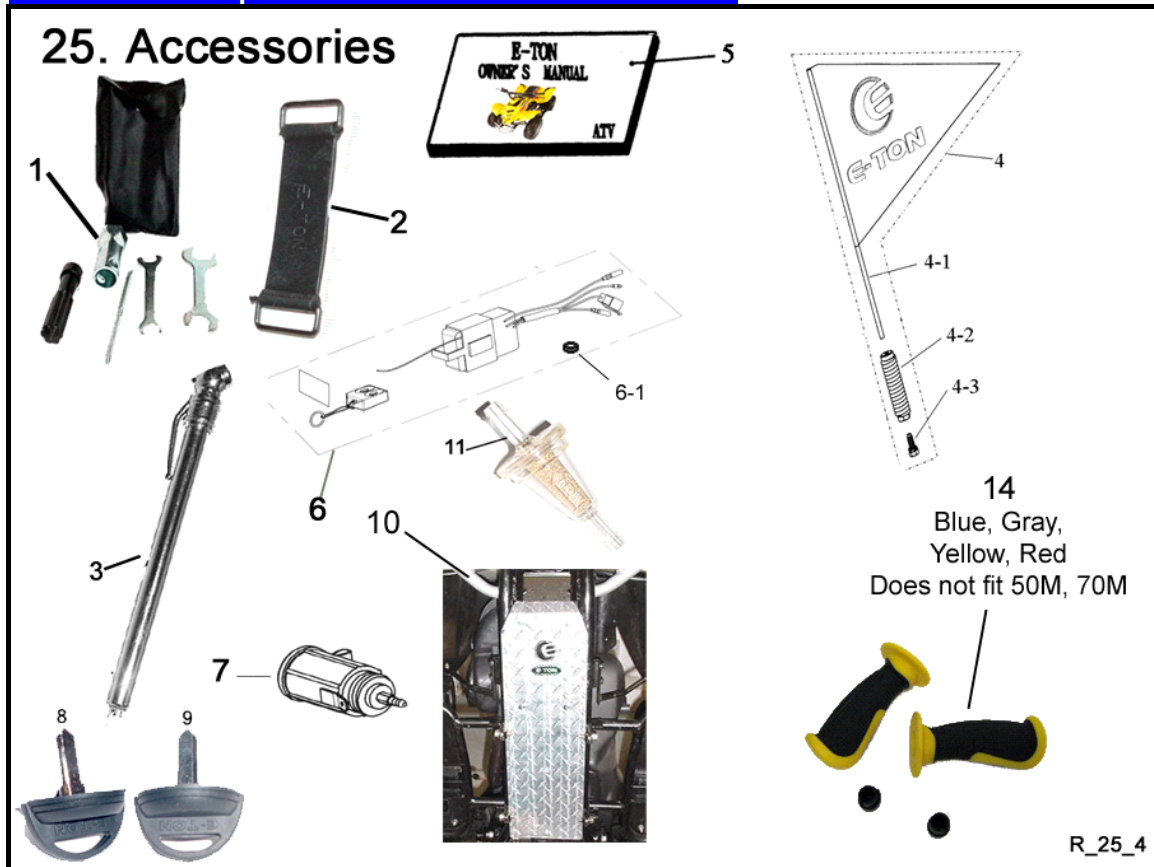
Fig Ref	Item No.	Description	Qty Req
24-1	811035	Wiring Harness (R90R)	1
24-1-1	650565	Fuse (7A)	1
24-2	750173	Battery (WP5L-BS)	1
24-3-1	811038	Handlebar Switch	1
24-3-2	811386	Manual Choke Lever	1
24-4	650720	Ignition Key Switch (4wire)	1
24-5	650332	Pan Head Bolt (M5x16)	2
24-6	650399	Pan Head Bolt & Washer (M6x12)	1
24-7	610116	Bolt & Washer (M5x20)	1
24-8	610189	Ignition Coil	1
24-9	811033	C.D.I. Module (V90R)	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
24-25	811039	Shift Selector Switch	1
24-26	810102	Backup Safety Horn	1
24-27	811076	Pan Head Bolt (M3x15)	2
24-28	811075	Nylon Lock Nut	2
24-29	811154	Safety Tether Switch-2005 & Up	1

24a. Lighting Assemblies



R_24a

Fig Ref	Item No.	Description	Qty Req
24a-1	610033	LED Assembly	1
24a-1-1	610194	Self-Tapping Screw (M4x13)	2
24a-2	610170	Head Light Set (LH & RH)	1
24a-2-1	610034	Head Light Cover (LH)	1
24a-2-2	610035	Head Light Cover (RH)	1
24a-2-3	610028	Head Light Lens (LH)	1
24a-2-4	610030	Head Light Lens (RH)	1
24a-2-5	610029	Head Light Gasket	2
24a-2-6	610194	Self-Tapping Screw (M4x13)	6
24a-2-7	610191	Head Light Decal (LH)	1
24a-2-8	610192	Head Light Decal (RH)	1
24a-3	650729	Self Tapping Screw (M4x16)	2
24a-4	650454	Pan Head Bolt & Washer (M6x20)	2
24a-5	610038	Tail Light	2
24a-5-1	610031	Tail Light Bulb (12Vx21/5w)	2
24a-5-2	811037	Tail Light Lens	2
24a-6	610032	Tail Light Gasket	2
24a-7	750337	Flat Washer (M5x10x1)	4
24a-8	700344	Lock Washer (M5x9x1)	4
24a-9	812463	Head Light Wiring Harness Kit	2
24a-9-1	610025	Head Light Bulb (12v/10w)	2



R_25_4

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
25-8	610009	Blank Key (Left Cut)	1
25-9	810009	Blank Key (RH Cut)	1
25-10	990010	Chassis Plate (RXL 50M-90R)	1
25-11	990017	1/4 X 3 ClrStone Fuel Filter	1
25-14	813783	Handlebar Grip Set (Blk/Blue)	1
25-14	813784	Handlebar Grip Set (Blk/Gray)	1
25-14	813785	Handlebar Grip Set (Blk/Ylw)	1
25-14	813786	Handlebar Grip Set (Blk/Red)	1



ETON America

Kits & Accessories

Viper 90Reverse



**90cc
Top End
Kit**

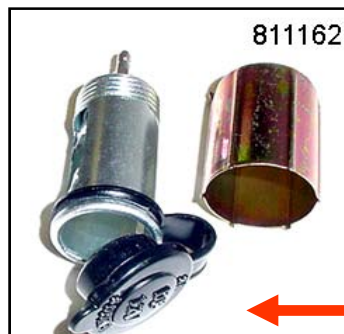
**Part No.
810790**



811163

**Remote
Control
Stop!**

**Part No.
811163**



811162

**Auxiliary
Power
Supply**

**Part No.
811162
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New

**Chassis Protection
Plate**

**Part No.
990010**



811154

**Safety
Tether
Switch**

**Part No.
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Viper 90Reverse

*Wide Open!
Full Throttle!
Quality Time!*

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