



ETON America

PARTS CATALOG

Viper 90R 4 Cycle

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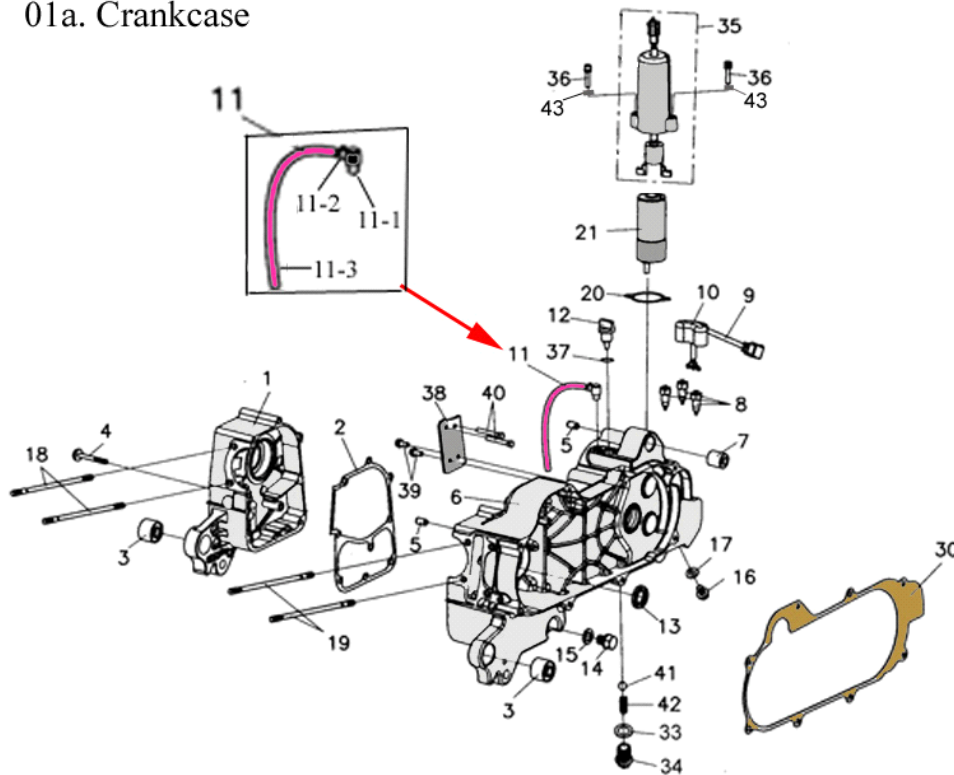
Viper 90R 4 Cycle



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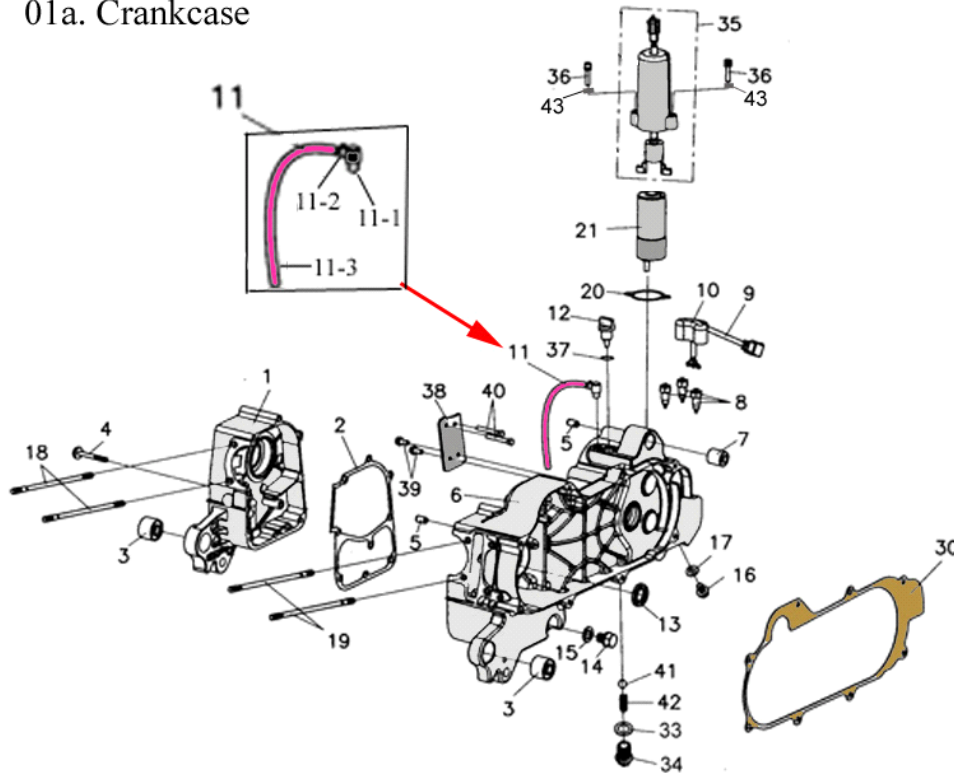
01a. Crankcase



R90R_06_01a

Fig Ref	Item No.	Description	Qty Req
1a-1	812267	Crankcase (RH)	1
1a-2	811575	Crankcase Gasket	1
1a-3	811574	Engine Mount Bushing	2
1a-4	811772	Flange Bolt SH (M6x45)	1
1a-5	800109	Dowel Pin (8x14)	2
1a-6	811576	Crankcase (LH)	1
1a-7	811577	Rear Shock Absorber Bushing	1
1a-8	811040	Shift Switch	3
1a-9	811685	Shift Switch Line	1
1a-10	811017	Dust Cover (B)	1
1a-11	812352	Breather Hose	1
1a-11-1	650991	Breather Joint	1
1a-11-2	811767	Tube Clip	1
1a-11-3	812303	Breather Tube	1
1a-12	650165	Oil Filler Plug	1
1a-13	812811	Oil Seal (LH)	1
1a-14	800491	Flange Bolt (M12x15)	1
1a-15	800121	Flat Washer (M12x20x2)	1
1a-16	700406	Flange Bolt SH (M8x12)	1
1a-17	700289	Flat Washer (M8x14x1.5)	1
1a-18	811749	Stud Bolt (M7x180)	2
1a-19	811750	Stud Bolt (M7x185)	2
1a-20	811670	Cap Motor Gasket	1
1a-21	811681	Shift Motor	1
1a-30	811584	Crankcase Cover Gasket (LH)	1
1a-33	800124	Flat Washer (M14x21x1)	1

01a. Crankcase



R90R_06_01a

Fig Ref	Item No.	Description	Qty Req
1a-34	800123	Flange Bolt (M14x20)	1
1a-35	811682	Shift Motor Housing	1
1a-36	811776	Allen Head Bolt/Washer (M5x22)	2
1a-37	650166	Oil Filler Plug O-Ring (13.8x2	1
1a-38	811622	Air Cleaner Bracket	1
1a-39	800141	Flange Bolt SH (M6x12)	2
1a-40	700324	Flange Bolt SH (M6x28)	2
1a-41	800126	Ball Bearing	1
1a-42	800125	Fixed Catch Spring	1
1a-43	812405	Flat Washer (M5x7x1)	2

01b. C.V.T. Cover & Kick Starter Assembly

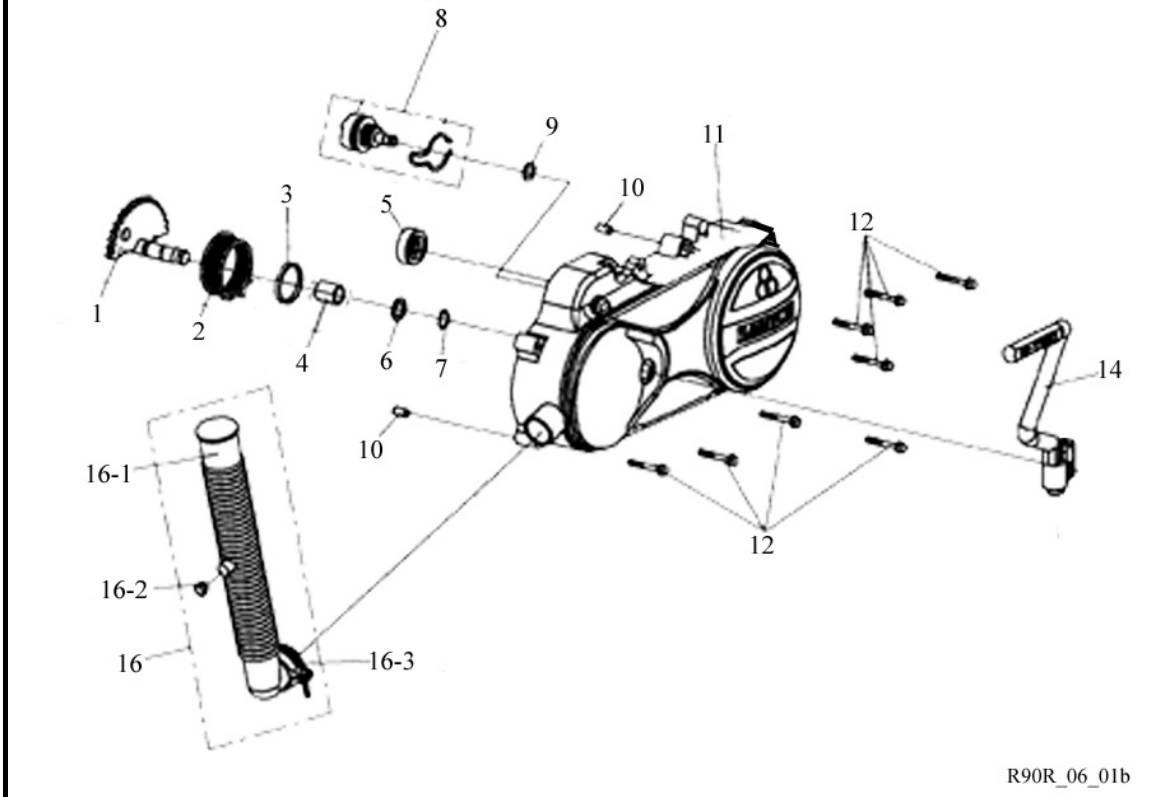
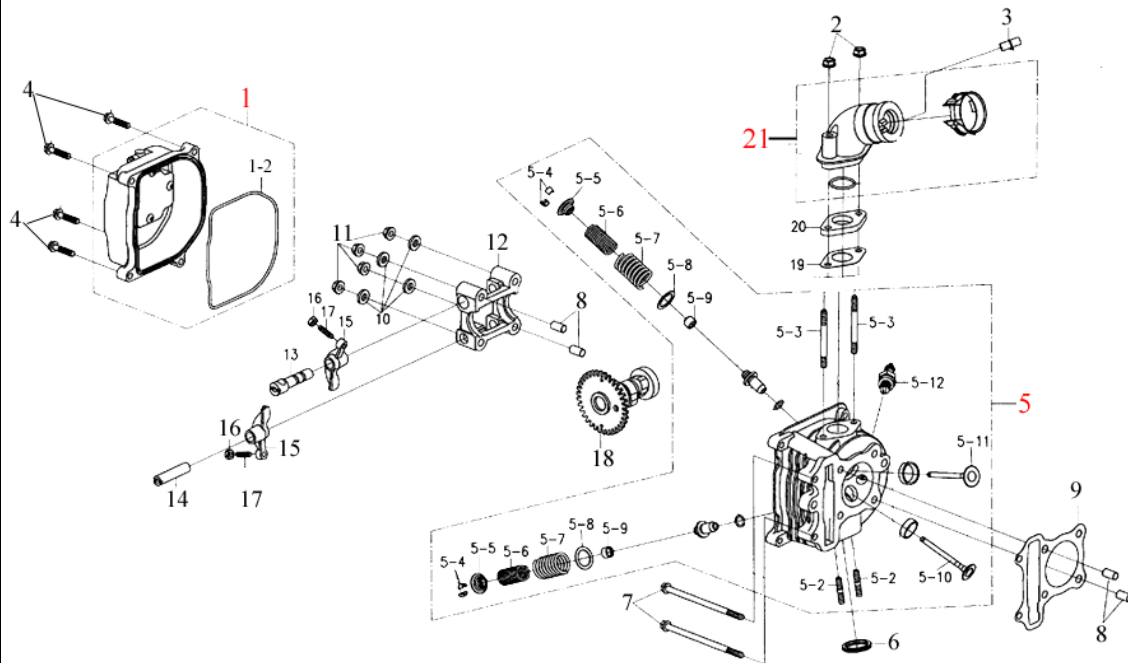


Fig Ref	Item No.	Description	Qty Req
1b-1	800535	Kick Starter Spindle	1
1b-2	800536	Kick Starter Torsion Spring	1
1b-3	811673	Spacer	1
1b-4	811672	Kick Starter Spindle Bushing	1
1b-5	650203	Radial Ball Bearing	1
1b-6	800143	Flat Washer (M15x20x2)	1
1b-7	800144	Circle-Clip (14mm)	1
1b-8	800145	Starter Idler Gear	1
1b-9	810240	Flat Washer (M11x18x1)	1
1b-10	800109	Dowel Pin (8x14)	2
1b-11	811579	C.V.T. Cover (LH)	1
1b-12	700327	Flange Bolt SH (M6x35)	8
1b-14	610136	Kick Starter Crank	1
1b-16	811580	C.V.T. Cooling Duct Assembly	1
1b-16-1	811581	C.V.T. Cooling Duct	1
1b-16-2	811582	Duct Plug	1
1b-16-3	811621	Air Duct Clamp	1

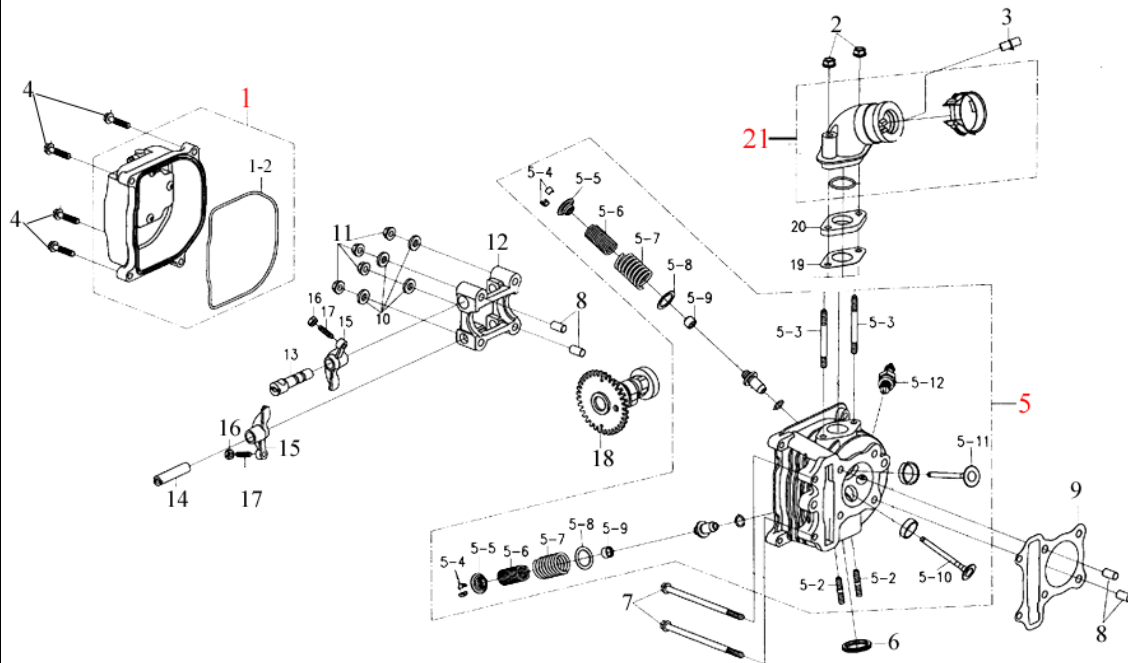
02. Cylinder Head & Cover



R90R_06_02

Fig Ref	Item No.	Description	Qty Req
2-1	811590	Rocker Arm Cover	1
2-1-2	811591	Rocker Arm Cover Gasket	1
2-2	650065	Nut (M6x11)	2
2-3	651011	Intake Cap	1
2-4	800488	Flange Bolt SH (M6x25)	4
2-5	811587	Cylinder Head	1
2-5-2	810241	Stub Bolt No:003 (M6x27)	2
2-5-3	800202	Stud Bolt (M6x50)	2
2-5-4	800205	Valve Spring Retainer	4
2-5-5	800206	Valve Spring Retainer Washer	2
2-5-6	811609	Inner Valve Spring	2
2-5-7	811608	Outer Valve Spring	2
2-5-8	800209	Outer-Valve Spring Seat	2
2-5-9	800210	Valve Stem Seal	2
2-5-10	811607	Exhaust Valve	1
2-5-11	811606	Intake Valve	1
2-5-12	811777	Spark Plug CR7HSA	1
2-6	811634	Exhaust Muffler Gasket	1
2-7	700326	Flange Bolt SH (M6x100)	2
2-8	800109	Dowel Pin (8x14)	4
2-9	811589	Cylinder Head Gasket	1
2-10	811760	Flat Washer (M16x28x2)	4
2-11	811757	Flange Nut (M7x11)	4
2-12	811588	Cam Shaft Holder	1
2-13	811599	Rocker Arm Shaft - Internal	1
2-14	811600	Rocker Arm Shaft (External)	1

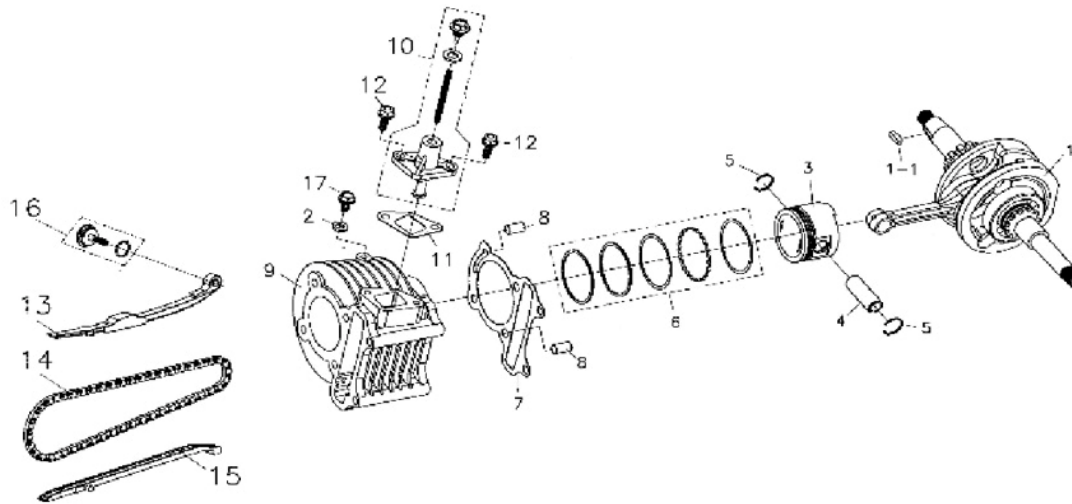
02. Cylinder Head & Cover



R90R_06_02

Fig Ref	Item No.	Description	Qty Req
2-15	811598	Valve Rocker Arm	2
2-16	800212	Nut (No 007)	2
2-17	800481	Tappet Adjusting Screw	2
2-18	811596	Cam Shaft	1
2-19	811616	Carburetor Insulator Gasket	1
2-20	811617	Carburetor Insulator	1
2-21	811618	Intake Manifold	1

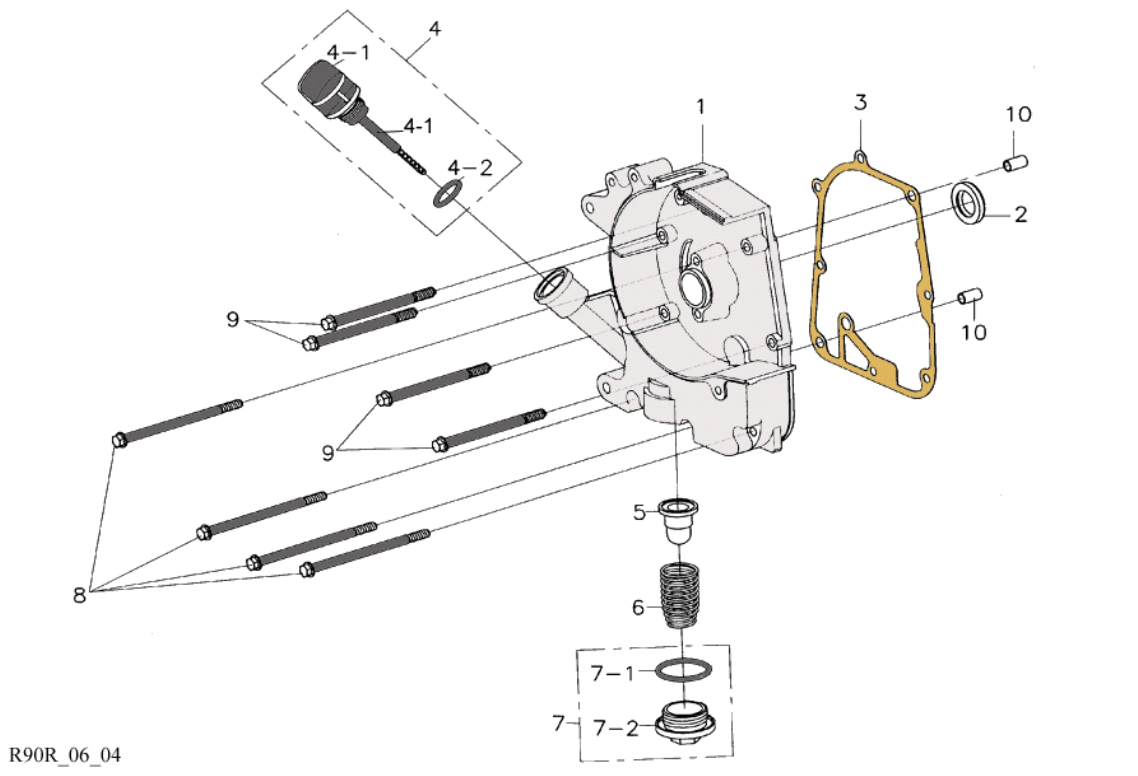
03. Cylinder, Piston & Crankshaft



R90R_06_03

Fig Ref	Item No.	Description	Qty Req
3-1	811592	Crankshaft 90CC 4-Stroke	1
3-1-1	800148	Wood-Ruff Key (M25x14x4)	1
3-2	800159	Flat Washer (M6x10x1)	1
3-3	811594	Piston 90CC 4-Stroke	1
3-4	811595	Piston Wrist Pin	1
3-5	811765	Piston Pin Circle Clip (2)	1
3-6	811593	Piston Ring Set	1
3-7	811586	Cylinder Base Gasket	1
3-8	800109	Dowel Pin (8x14)	2
3-9	811585	Cylinder 90CC 4-Stroke	1
3-10	811603	Cam Adjuster	1
3-11	811604	Cam Chain Adjuster Gasket	1
3-12	811771	Flange Bolt SH (M6x16)	2
3-13	811601	Cam Chain Guide Upper	1
3-14	811597	Cam Chain	1
3-15	811605	Cam Chain Guide Lower	1
3-16	811602	Cam Chain Pivot	1
3-17	811770	Flange Bolt SH (M6x12)	1

04. Crankcase Cover (RH)



R90R_06_04

Fig Ref	Item No.	Description	Qty Req
4-1	811578	Crankcase Cover (RH)	1
4-2	812862	Oil Seal (RH)	1
4-3	811583	Crankcase Cover Gasket (RH)	1
4-4	800180	Oil Level Gauge & O-Ring	1
4-4-1	811476	Oil Level Gauge	1
4-4-2	811477	O-Ring Seal (18x3.5)	1
4-5	800182	Oil Filter Screen	1
4-6	800183	Oil Filter Screen Spring	1
4-7	800184	Crankcase Drain Plug & O-Ring	1
4-7-1	811479	O-Ring Seal	1
4-7-2	811478	Crankcase Drain Plug	1
4-8	700326	Flange Bolt SH (M6x100)	4
4-9	811773	Flange Bolt SH (M6x85)	4
4-10	800109	Dowel Pin (8x14)	2

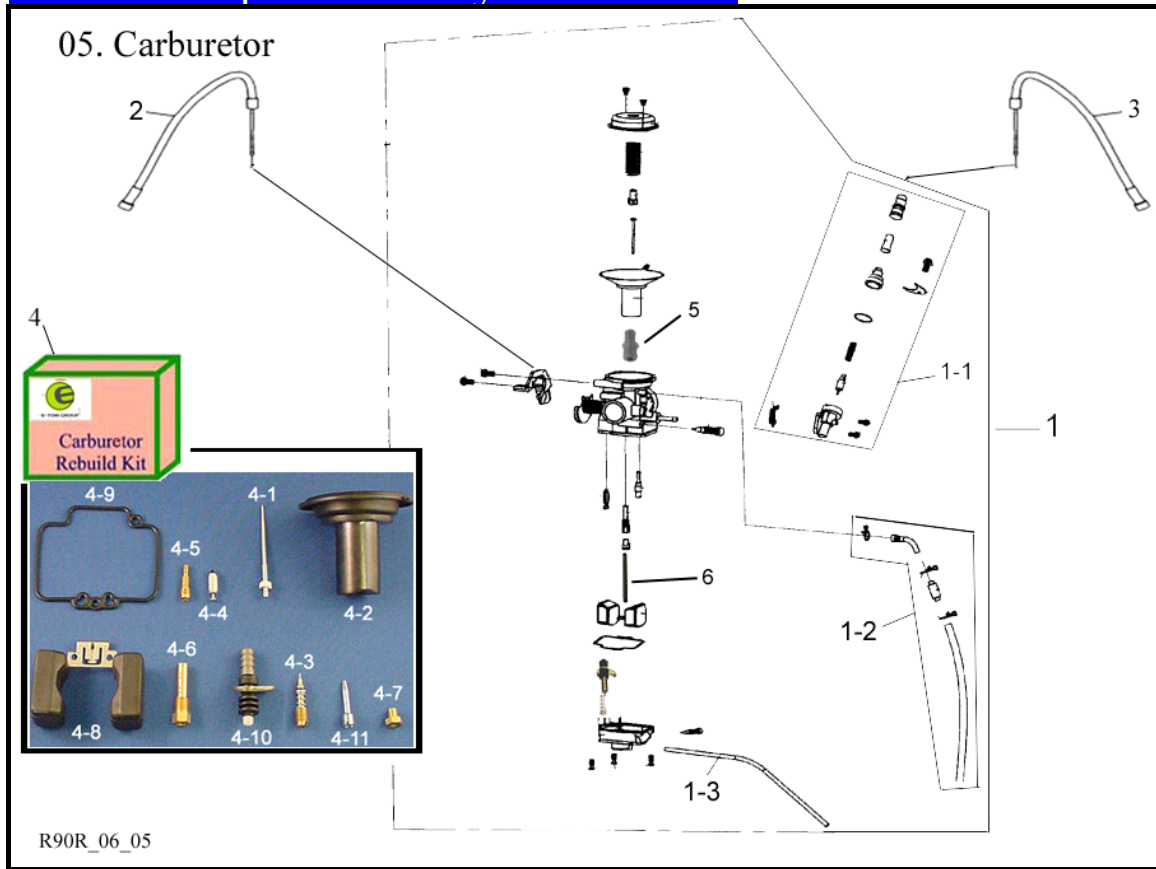


Fig Ref	Item No.	Description	Qty Req
5-1	811613	Carburetor (Manual Choke 90CC)	1
5-1-1	812372	Manual Choke 70M/70/90R	1
5-1-2	812327	Breather Tube Assy.	1
5-1-3	812328	Drain Tube	1
5-2	811632	Throttle Cable	1
5-3	811633	Manual Choke Cable	1
5-4	812316	Carburetor Rebuild Kit	1
5-5	814494	Slide Guide (70/90cc)	1
5-6	814495	Float Pin (70/90cc)	1
5-4-1	812315	Carburetor Slide Needle #4T10	1
5-4-2	812313	Carburetor Slide	1
5-4-3	812326	Air Adjustment Screw	1
5-4-4	812306	Carburetor Float Needle	1
5-4-5	812308	Pilot Jet #32	1
5-4-6	812311	Main Jet Atomizer	1
5-4-7	812312	Main Jet #100	1
5-4-8	812307	Carburetor Float	1
5-4-9	812309	Carburetor Bowl Gasket	1
5-4-10	812314	Accelerator Pump	1
5-4-11	812310	Bowl Drain Bolt	1
05-NP	811311	Main Jet #95	1
05-NP	812790	Pilot Jet #35	1
05-NP	812791	Pilot Jet #37	1
05-NP	812792	Pilot Jet #39	1

06. C.V.T. Drive Assembly

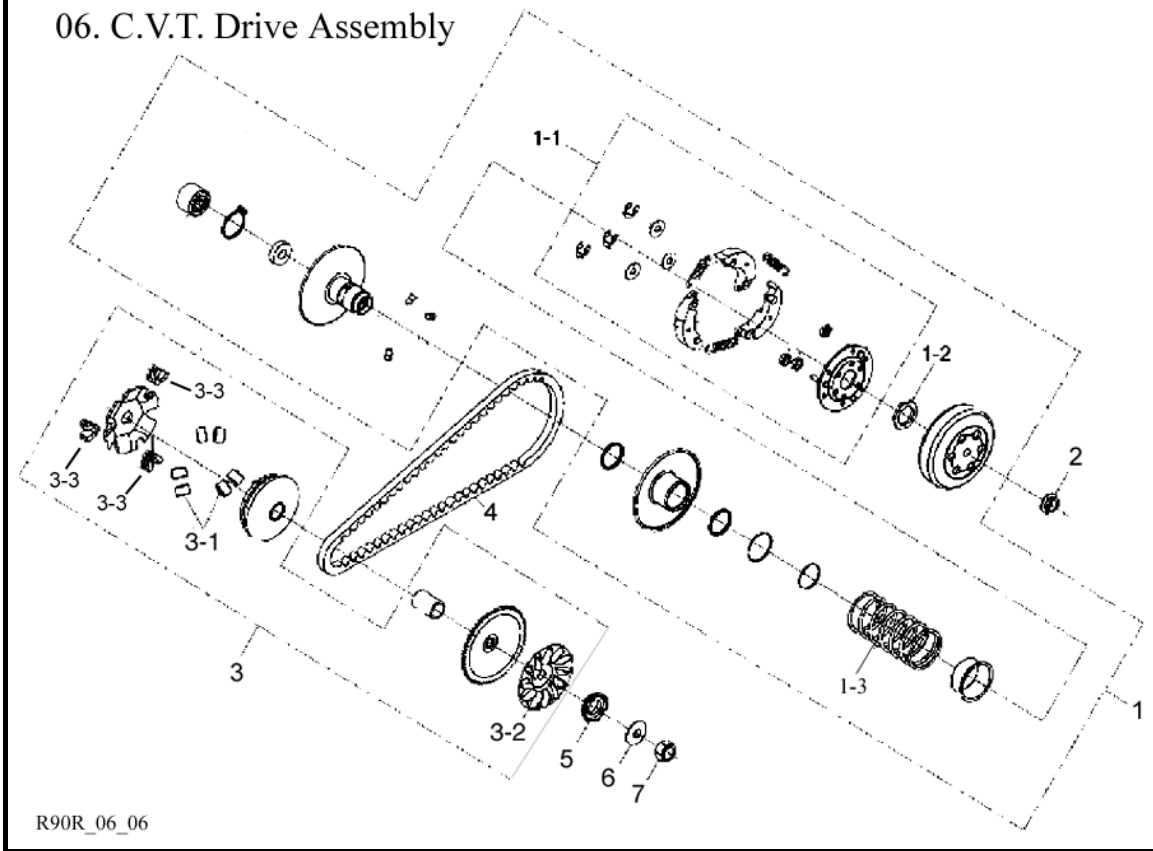
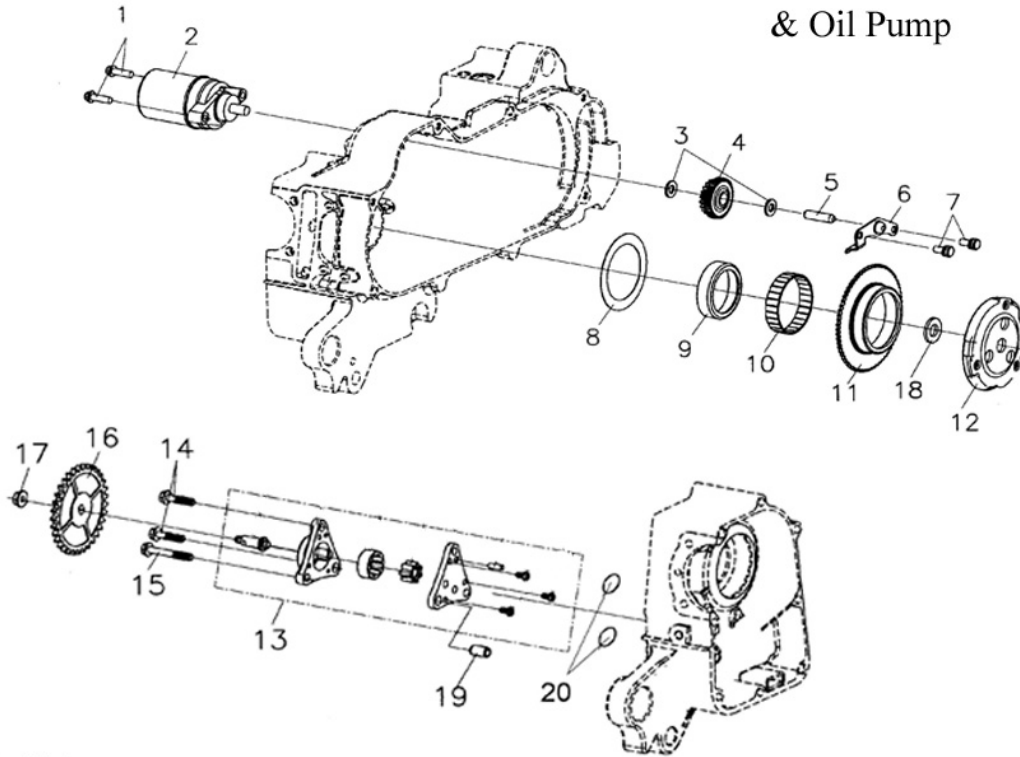


Fig Ref	Item No.	Description	Qty Req
6-1	811656	Driven Pulley	1
6-1-1	811655	Drive Clutch Assembly	1
6-1-2	812242	Nut (M28x32x1)	1
6-2	811758	Flange Nut (M10x18)	1
6-3	811653	Drive Face Assembly	1
6-3-1	811654	Clutch Rollers 8g (Set 6)	1
6-3-2	811652	Drive Face Fan	1
6-3-3	812470	Slide Retainer Clips (Set 3)	1
6-4	811657	Drive Belt (669x18x30)	1
6-5	811671	Kick Starter Ratchet	1
6-6	811761	Flat Washer (M15x24x1)	1
6-7	650510	Flange Nut (M12x22)	1

07. Starter Motor & Clutch & Oil Pump



R90R_06_07

Fig Ref	Item No.	Description	Qty Req
7-1	650143	Flange Bolt (M6x20)	2
7-2	812354	Starter Motor	1
7-3	650184	Flat Washer (M7x15x1)	2
7-4	650495	Starter Motor Reduction Gear	1
7-5	650658	Idle Gear Shaft	1
7-6	650185	Reduction Gear Retainer Plate	1
7-7	610201	Pan Head Bolt & Washer (M6x14)	2
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	812353	Starter Clutch	1
7-13	811611	Oil Pump 90CC 4-Stroke	1
7-14	650143	Flange Bolt (M6x20)	2
7-15	800488	Flange Bolt SH (M6x25)	1
7-16	811612	Oil Pump Drive Socket	1
7-17	650065	Nut (M6x11)	1
7-18	811762	Flat Washer (M17x28x3)	1
7-19	800109	Dowel Pin (8x14)	1
7-20	812302	O-Ring	2

08. A/C Generator & Fan Shroud

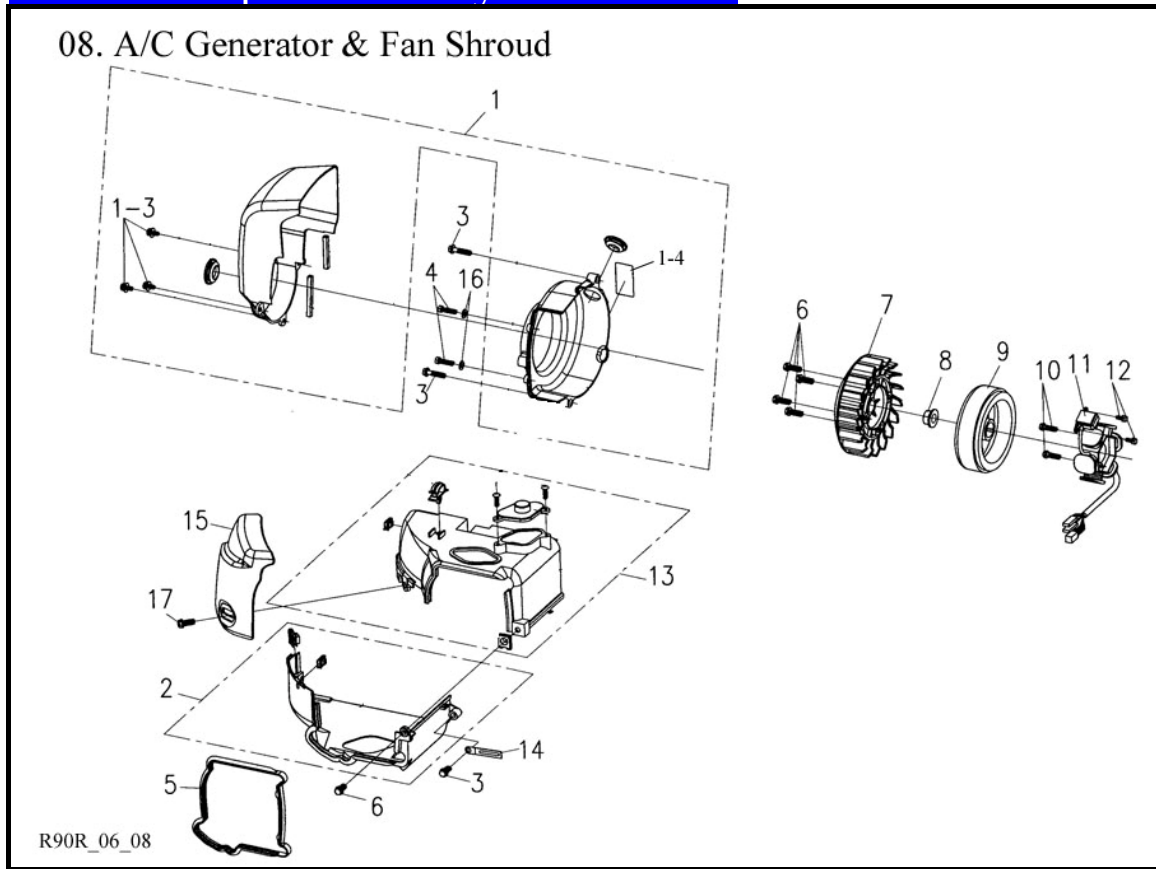
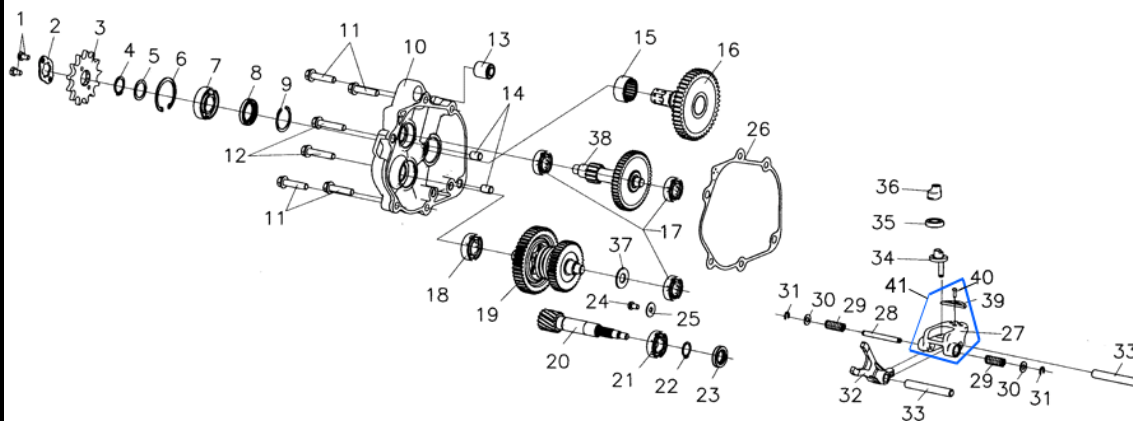


Fig Ref	Item No.	Description	Qty Req
8-1	811643	Fan Cover Assembly	1
8-1-3	810005	Fan Cover Plug (B)	1
8-1-4	811746	Oil Cap Label	1
8-2	811644	Lower Shroud	1
8-3	800488	Flange Bolt SH (M6x25)	3
8-4	800221	Pan Head Bolt (M5x25)	2
8-5	811646	Shroud Seal	1
8-6	800119	Flange Bolt SH (M6x18)	4
8-7	811641	Cooling Fan	1
8-8	650510	Flange Nut (M12x22)	1
8-9	811675	Flywheel	1
8-10	650143	Flange Bolt (M6x20)	2
8-11	811676	AC Generator	1
8-12	800194	Bolt & Washer (M5x14)	2
8-13	811645	Upper Shroud	1
8-14	800241	Carburetor Drain Tube Clamp	1
8-15	812264	Fan Shroud Side Cover	1
8-16	812191	Washer (M5x15x1)	2
8-17	800339	Flange Bolt SH (M6x25)	1

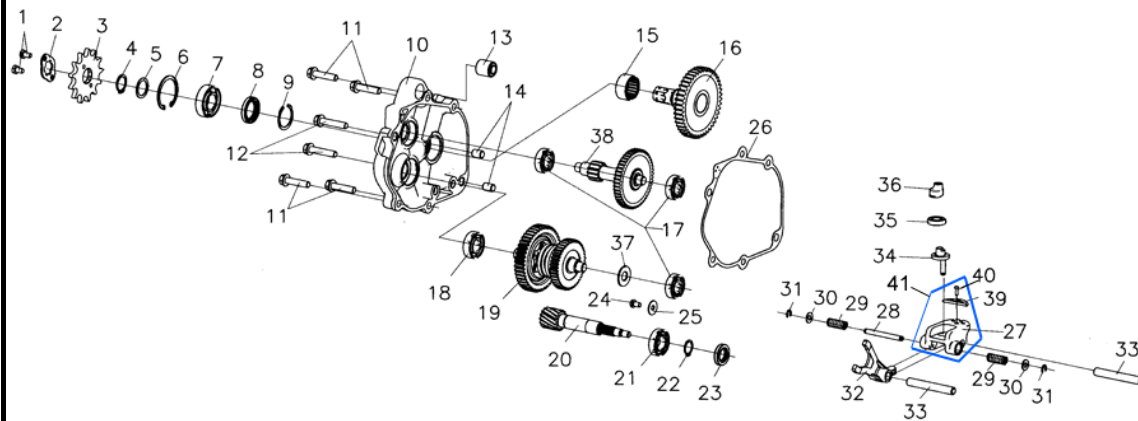
09. Transmission



R90R_06_09

Fig Ref	Item No.	Description	Qty Req
9-1	650226	Bolt (M6x10)	2
9-2	650225	Sprocket Plate	1
9-3	811662	Drive Sprocket (520x13T)	1
9-4	650223	Circle-Clip #20	1
9-5	650222	Flat Washer (M20x25x1)	1
9-6	650220	Circle-Clip (45.5x17.5)	1
9-7	650218	Bearing (6004LLUA)	1
9-8	650219	Oil Seal (25x35x6)	1
9-9	650221	Circle-Clip (34.4x1.2)	1
9-10	811650	Transmission Cover	1
9-11	811768	Flange Bolt SH (M8x35)	4
9-12	811769	Flange Bolt (M8x40)	2
9-13	811577	Rear Shock Absorber Bushing	1
9-14	650158	Dowel Pin (M10x14)	2
9-15	650217	Needle Bearing	1
9-16	811661	Final Shaft or Output Shaft	1
9-17	650213	Radial Ball Bearing	3
9-18	750388	Bearing (62020)	1
9-19	811660	Gear Shift Cluster	1
9-20	811659	Drive Shaft	1
9-21	650199	Radial Ball Bearing 6003	1
9-22	650198	Circle-Clip	1
9-23	650200	Oil Seal (17x28x5.5)	1
9-24	650197	Pan Head Bolt (M6x10)	1
9-25	811082	Flat Washer (M5x18x1)	1
9-26	811651	Transmission Cover Gasket	1

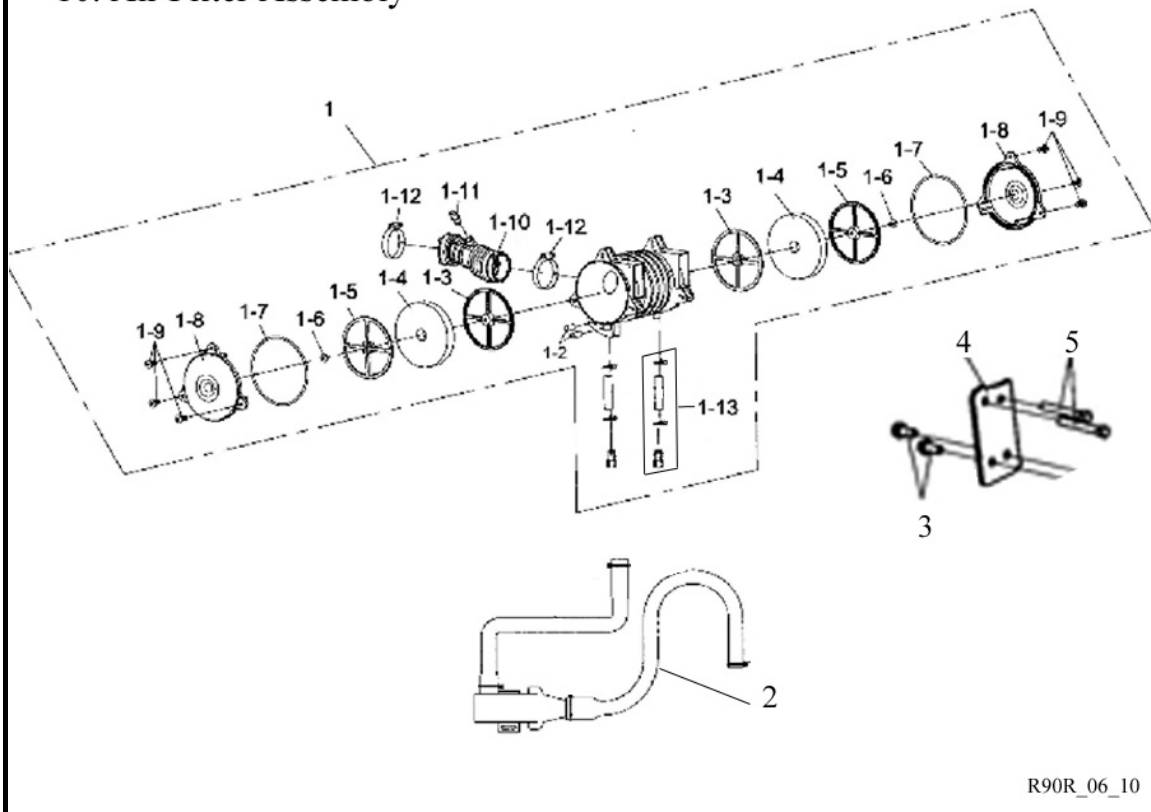
09. Transmission



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Fig Ref	Item No.	Description	Qty Req
9-27	811666	Push Shift	1
9-28	811669	Fixed Shaft	1
9-29	811664	Fixed Catch Spring	2
9-30	811759	Flat Washer (M6x11x1)	2
9-31	811764	Circle Clip	2
9-32	811663	Shift Fork	1
9-33	811160	Shift Fork Rod Guide	2
9-34	811665	Shift Cam	1
9-35	811775	Radial Ball Bearing	1
9-36	811667	Knock Block	1
9-37	650214	Flat Washer (M11x21x1)	1
9-38	811658	Reverse Gear Shaft	1
9-39	811747	Insulator Shim	1
9-40	811385	Pan Head Bolt (M3x8)	1
9-41	811674	Push Shift Assembly	1

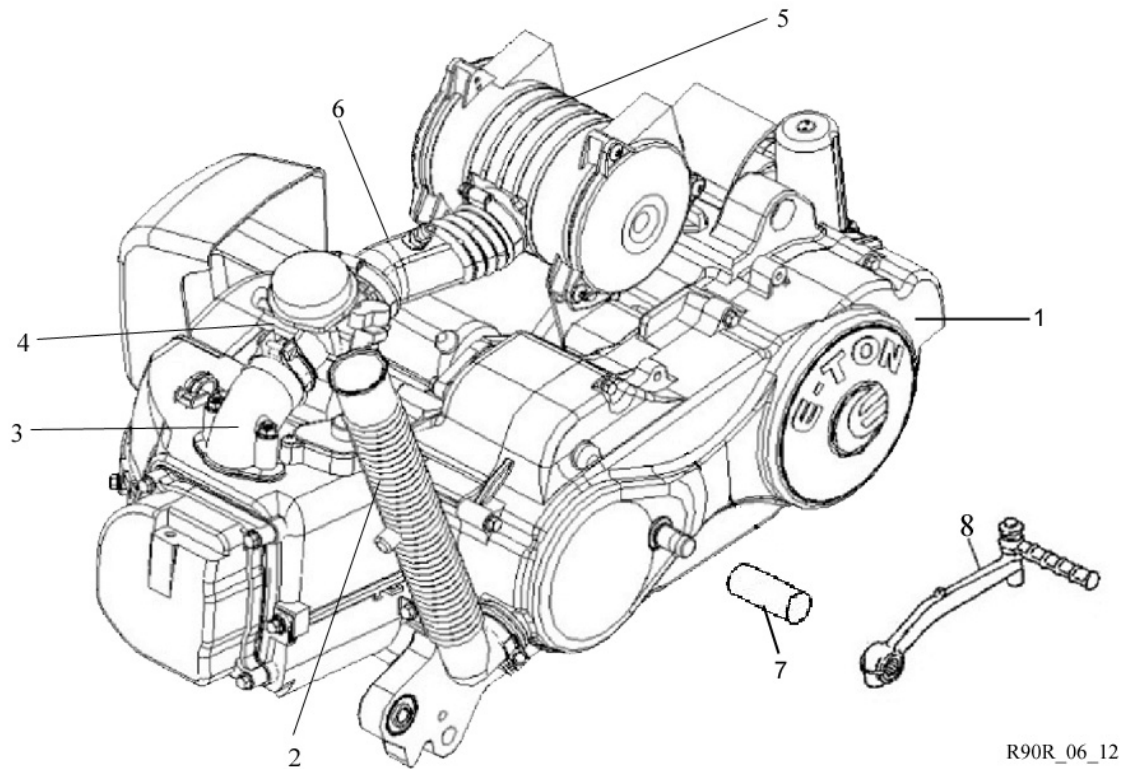
10. Air Filter Assembly



R90R_06_10

Fig Ref	Item No.	Description	Qty Req
10-1	811620	Air Cleaner Assembly	1
10-1-2	812280	Air Filter Outer Guide	2
10-1-3	812279	Air Filter Inner Guide Screen	2
10-1-4	811619	Air Filter Element	2
10-1-5	812280	Air Filter Outer Guide	2
10-1-6	811756	Self Tapping Screw (M5x15)	2
10-1-7	811766	O-Ring	2
10-1-8	812281	Air Cleaner Cover	2
10-1-9	811755	Self Tapping Screw (M5x20)	6
10-1-10	811642	Air Cleaner Connector Tube	1
10-1-11	811610	Plug Insert	1
10-1-12	812369	Air Inlet Tube Clamp	2
10-1-13	650979	Drain Tube	2
10-2	811623	Gas Waste Recovery Linkage	1
10-3	800141	Flange Bolt SH (M6x12)	2
10-4	811622	Air Cleaner Bracket	1
10-5	700324	Flange Bolt SH (M6x28)	2

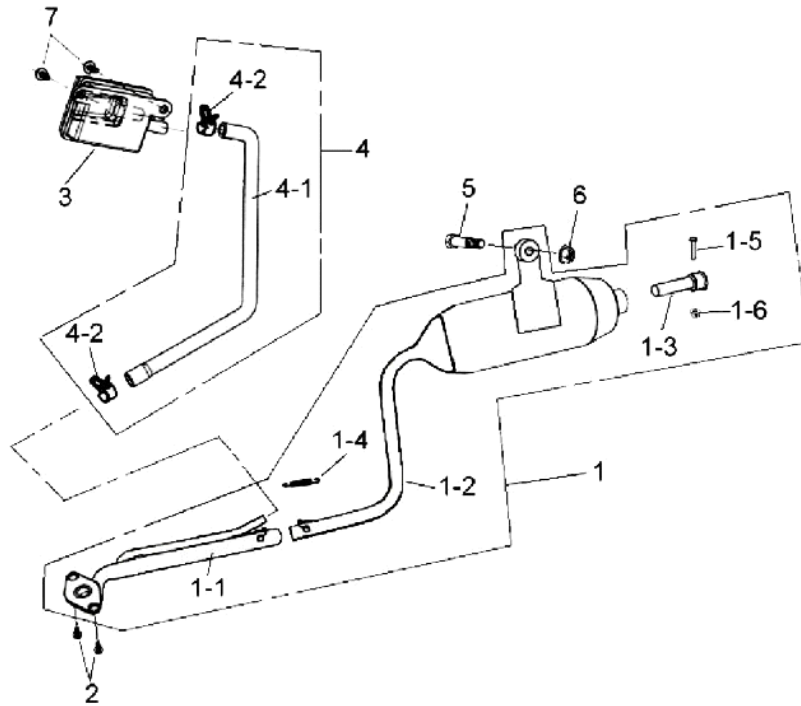
12. Engine



R90R_06_12

Fig Ref	Item No.	Description	Qty Req
12-1	811647	Engine 90CC 4-Stroke	1
12-2	811580	C.V.T. Cooling Duct Assembly	1
12-3	811618	Intake Manifold	1
12-4	811613	Carburetor (Manual Choke 90CC)	1
12-5	811620	Air Cleaner Assembly	1
12-6	811642	Air Cleaner Connector Tube	1
12-7	651007	Kick Starter Shaft Rubber Cap	1
12-8	610136	Kick Starter Crank	1

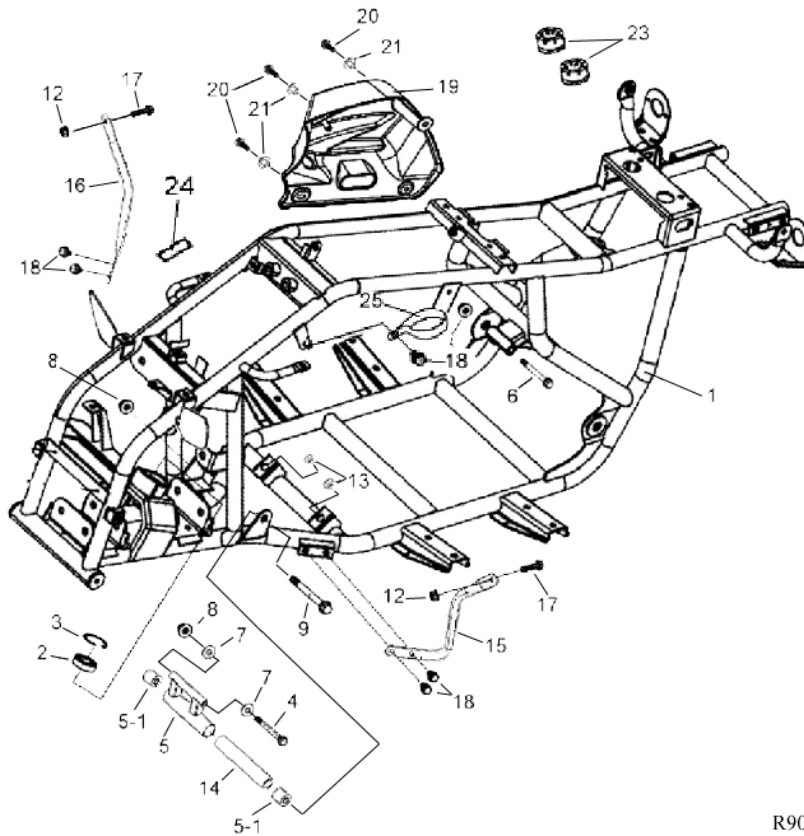
13. Exhaust System



R90R_06_13

Fig Ref	Item No.	Description	Qty Req
13-1	811640	Exhaust Muffler (type-SA)	1
13-1-1	811635	Exhaust Muffler Pipe (Front)	1
13-1-2	811636	Exhaust Muffler Pipe (Rear)	1
13-1-3	811462	Spark Arrestor Screen	1
13-1-4	811637	Spring	1
13-1-5	811638	Allen Head Bolt (M5x45)	1
13-1-6	811639	Lock Nut (M5x7)	1
13-2	800498	Nut (M611X16)	2
13-3	811624	Emission Control Valve	1
13-4	811625	Connecting Tube Assembly	1
13-4-1	811626	Connecting Tube	1
13-4-2	811627	Tube Clip	2
13-5	650256	Flange Bolt (M8 X 36)	1
13-6	650279	Locking Flange Nut (M8x18)	1
13-7	750393	Self-Tapping Screw (M5x15)	2

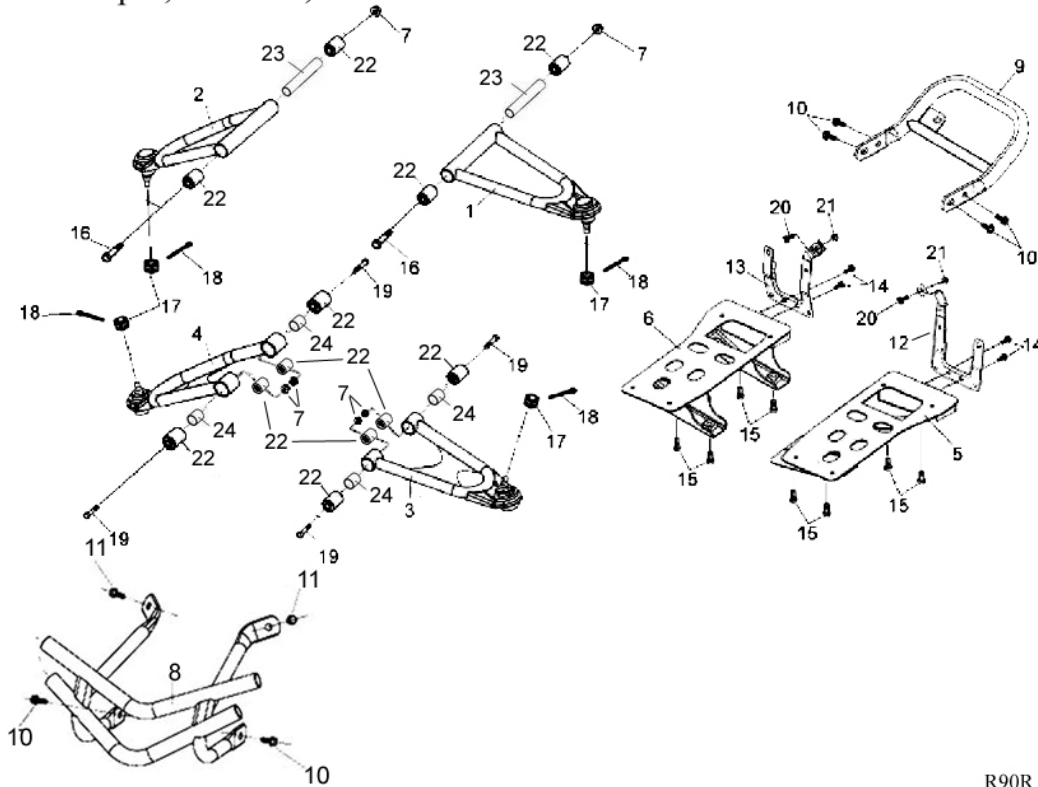
14. Frame



R90R_06_14

Fig Ref	Item No.	Description	Qty Req
14-1	811703	Viper 90R 4-Cycle Frame	1
14-2	650967	Bearing (6002ZC3)	1
14-3	650248	Circle-Clip	1
14-4	811754	Flange Bolt (M10x170)	1
14-5	811715	Engine Suspension Bracket	1
14-5-1	650253	Bushing	2
14-6	650254	Engine Set Bolt (M10 X 115)	1
14-7	650265	Flat Washer (M11x28x1)	2
14-8	700320	Locking Flange Nut (M10)	3
14-9	811753	Flange Bolt (M10x165)	1
14-12	800504	Locking Flange Nut (M6x11)	2
14-13	650874	Rubber Bushing	2
14-14	811716	Spacer	1
14-15	811704	Front Fender Bracket (LH)	1
14-16	811705	Front Fender Bracket (RH)	1
14-17	650307	Pan Head Bolt (M6 x 23)	2
14-18	650271	Flange Bolt (M6 X 12)	5
14-19	811688	Drive Chain Cover	1
14-20	650295	Flange Bolt (M6x16)	3
14-21	811737	Collar	3
14-23	650250	Rubber Damper (37 X 13 X 23)	2
14-24	812404	Emission Control Label	1
14-25	812403	CVT Inlet Hose Clamp	1

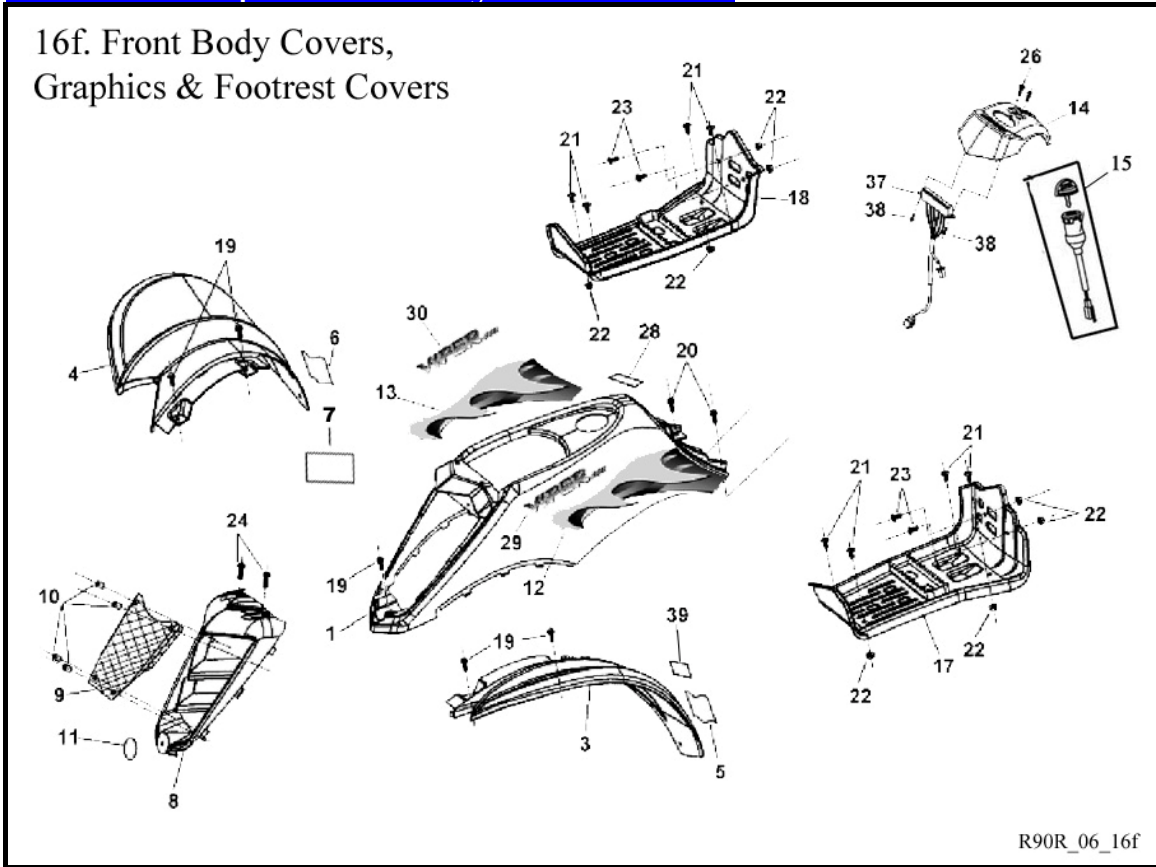
15. Bumper, Footrest, A-Arms & Grab Bar



R90R_06_15

Fig Ref	Item No.	Description	Qty Req
15-1	811706	Upper A-Arm (LH)	1
15-2	811708	Upper A-Arm (RH)	1
15-3	811710	Lower A-Arm (LH)	1
15-4	811711	Lower A-Arm (RH)	1
15-5	811719	Footrest Support (LH)	1
15-6	811722	Footrest Support (RH)	1
15-7	650255	Locking Flange Nut (M10x19)	6
15-8	811717	Front Bumper	1
15-9	811718	Rear Grab Bar	1
15-10	650294	Flange Bolt (M8 X 16)	6
15-11	650402	Flange Bolt (M8 X 12)	2
15-12	811720	Footrest Bar Support (LH)	1
15-13	811721	Footrest Bar Support (RH)	1
15-14	650271	Flange Bolt (M6 X 12)	4
15-15	800352	Bolt & Washer (M8x20)	8
15-16	811754	Flange Bolt (M10x170)	2
15-17	812357	Castle Nut (M10x14)	4
15-18	650339	Cotter Pin (1/8 x 1)	4
15-19	650905	Flange Bolt (M8 X 80)	4
15-20	650307	Pan Head Bolt (M6 x 23)	2
15-21	800504	Locking Flange Nut (M6x11)	2
15-22	812320	Suspension Arm Bushing	12
15-23	812322	Suspension Arm Collar	2
15-24	812321	Suspension Arm Collar	4

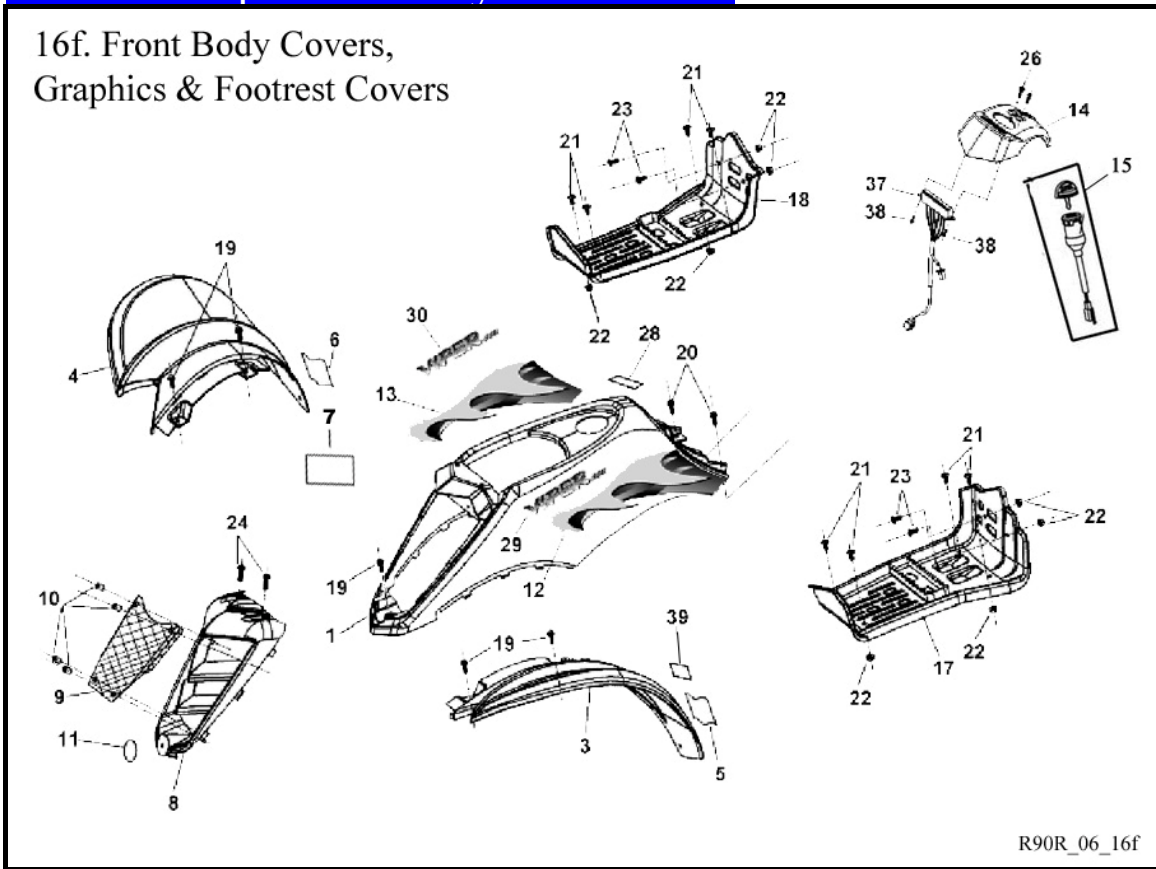
16f. Front Body Covers, Graphics & Footrest Covers



R90R_06_16f

Fig Ref	Item No.	Description	Qty Req
16f-1	610087	Front Body Cover (Blue)	1
16f-1	610085	Front Body Cover (Yellow)	1
16f-1	610086	Front Body Cover (Red)	1
16f-1	610300	Front Body Cover (Black)	1
16f-3	610081	Front Fender Panel (LH-Blue)	1
16f-3	610079	Front Fender Panel (LH-Yellow)	1
16f-3	610080	Front Fender Panel (LH-Red)	1
16f-3	610302	Front Fender Panel (LH-Black)	1
16f-4	610084	Front Fender Panel (RH-Blue)	1
16f-4	610082	Front Fender Panel (RH-Yellow)	1
16f-4	610083	Front Fender Panel (RH-Red)	1
16f-4	610303	Front Fender Panel (RH-Black)	1
16f-5	811064	Warning Label (Passenger)	1
16f-6	811065	Warning Label (Y12)	1
16f-7	650306	MFD Label	1
16f-8	610090	Front Grill Panel (Blue)	1
16f-8	610088	Front Grill Panel (Yellow)	1
16f-8	610089	Front Grill Panel (Red)	1
16f-8	610307	Front Grill Panel (Black)	1
16f-9	610060	Front Grill Screen	1
16f-10	610062	Grill Screen Fastener	4
16f-11	750270	E-TON Logo Emblem (Silver)	1
16f-12	811740	V'06 Front Graphic Ylw (LH)	1
16f-12	812238	V'06 Front Graphic Red (LH)	1
16f-13	811741	V'06 Front Graphic Ylw (RH)	1
16f-13	812239	V'06 Front Graphic Red (RH)	1

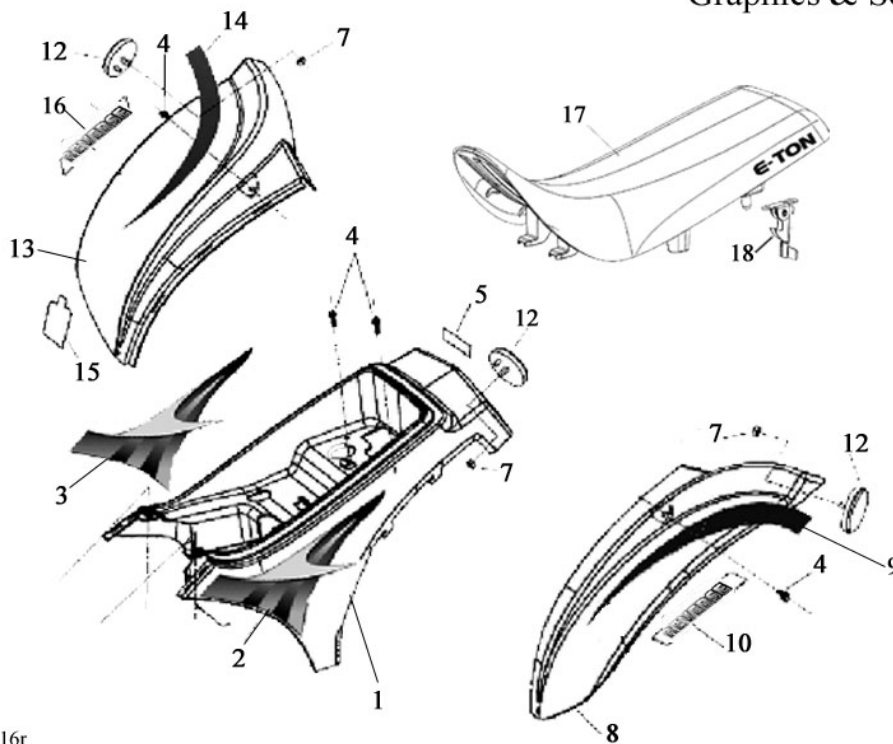
16f. Front Body Covers, Graphics & Footrest Covers



R90R_06_16f

Fig Ref	Item No.	Description	Qty Req
16f-14	811062	Handlebar Cover (Blue)	1
16f-14	811060	Handlebar Cover (Yellow)	1
16f-14	811061	Handlebar Cover (Red)	1
16f-14	811059	Handlebar Cover (Black)	1
16f-15	650720	Ignition Key Switch (4wire)	1
16f-17	610096	Foot Rest Cover/Guard (LH)	1
16f-18	610097	Foot Rest Cover/Guard (RH)	1
16f-19	650262	Bolt Washer & Nut (M6x18)	5
16f-20	650901	Bolt & Washer (M6x20)	2
16f-21	610118	Pan Head Bolt (M6x20)	8
16f-22	800504	Locking Flange Nut (M6x11)	8
16f-23	650943	Button Head Bolt (M6x18)	4
16f-24	800374	Plastic Fastener	2
16f-26	650311	Pan Head Bolt (M6x12)	2
16f-28	811744	Gear Indicator Sticker	1
16f-29	811066	Viper 90R Graphic	1
16f-30	811066	Viper 90R Graphic	1
16f-37	811042	Indicator Light Panel	1
16f-38	650729	Self Tapping Screw (M4x16)	2
16f-39	811745	Warning Label	1

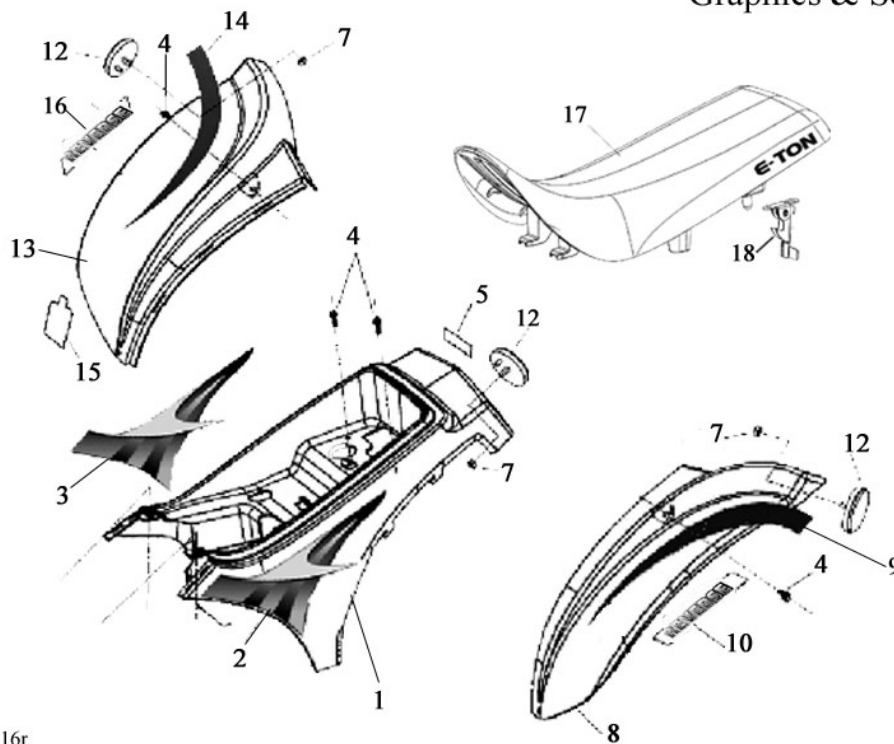
16r. Rear Body Covers, Graphics & Seat



R90R_06_16r

Fig Ref	Item No.	Description	Qty Req
16r-1	610095	Rear Body Cover (Blue)	1
16r-1	610093	Rear Body Cover (Yellow)	1
16r-1	610094	Rear Body Cover (Red)	1
16r-1	610301	Rear Body Cover (Black)	1
16r-2	811742	V'06 Rear Graphic Ylw (LH)	1
16r-2	812240	V'06 Rear Graphic Red (LH)	1
16r-3	811743	V'06 Rear Graphic Ylw (RH)	1
16r-3	812241	V'06 Rear Graphic Red (RH)	1
16r-4	650262	Bolt Washer & Nut (M6x18)	4
16r-5	650994	Warning Label (Muffler)	1
16r-7	750334	Nut (M6x10)	3
16r-8	610100	Rear Fender Panel (LH-Blue)	1
16r-8	610098	Rear Fender Panel (LH-Yellow)	1
16r-8	610099	Rear Fender Panel (LH-Red)	1
16r-8	610304	Rear Fender Panel (LH-Black)	1
16r-9	610183	Viper Rear Fender Graphic (LH)	1
16r-10	811183	Viper 90R Reverse Graphic (LH)	1
16r-12	750183	Circle Reflector (Red)	3
16r-13	610103	Rear Fender Panel (RH-Blue)	1
16r-13	610101	Rear Fender Panel (RH-Yellow)	1
16r-13	610102	Rear Fender Panel (RH-Red)	1
16r-13	610305	Rear Fender Panel (RH-Black)	1
16r-14	610184	Viper Rear Fender Graphic (RH)	1
16r-15	610104	Warning Label	1
16r-16	811068	Viper 90R Reverse Graphic (RH)	1
16r-17	610172	Viper Seat (Blk/Ylw)	1

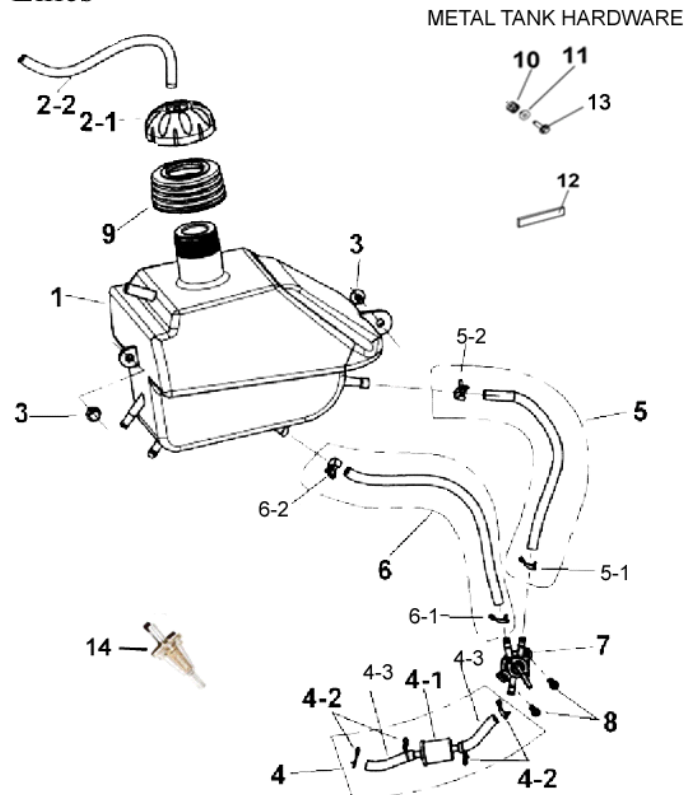
16r. Rear Body Covers, Graphics & Seat



R90R_06_16r

Fig Ref	Item No.	Description	Qty Req
16r-17	610173	Viper Seat (Blk/Red)	1
16r-18	610092	Seat Latch	1

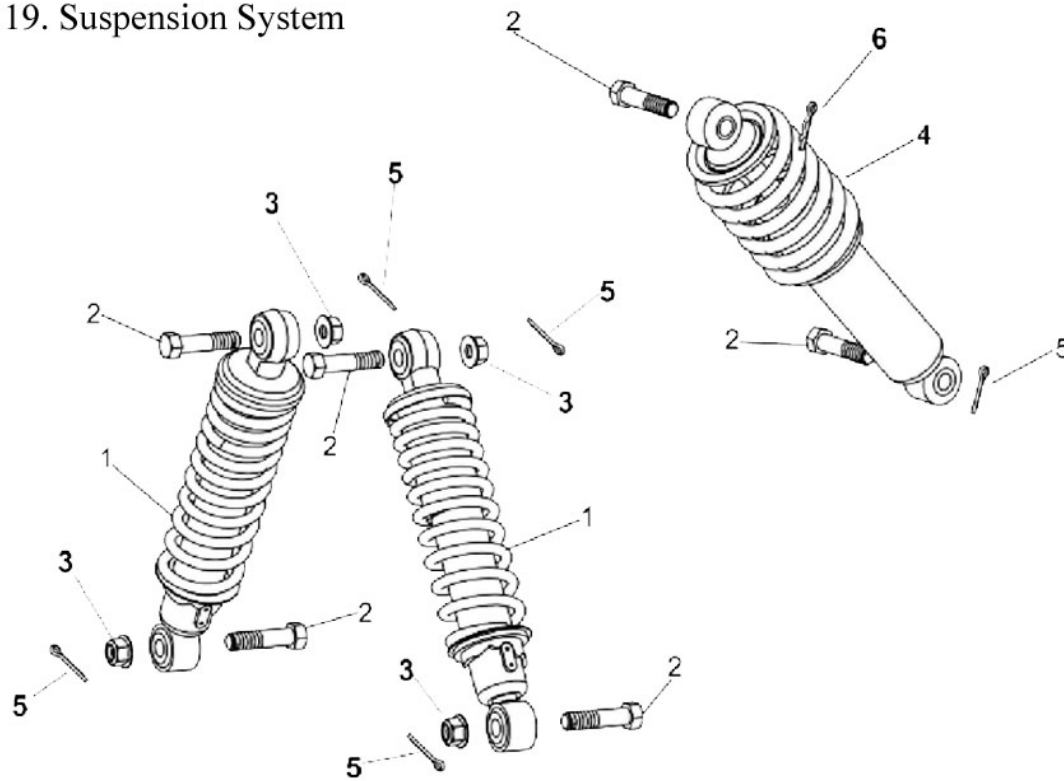
18. Fuel Tank & Lines



R90R_06_18

Fig Ref	Item No.	Description	Qty Req
18-1	811005	Fuel Tank (Plastic)	1
18-1	813262	Metal Fuel Tank	1
18-1	811050	Fuel Tank (Metal)	1
18-2-1	650327	Fuel Tank Cap	1
18-2-2	650853	Breather Tube	1
18-3	650901	Bolt & Washer (M6x20)	2
18-4	811629	Fuel Filter Assembly	1
18-4-1	800002	Fuel Filter Element	1
18-4-2	610011	Fuel Line Clip - B	4
18-4-3	811630	Fuel Filter Connection Line	2
18-5	811006	Primary Fuel Line	1
18-5-1	610011	Fuel Line Clip - B	1
18-5-2	610008	Fuel Line Clip - A	1
18-6	811628	Fuel Tube Reserve Line	1
18-6-1	610011	Fuel Line Clip - B	1
18-6-2	610008	Fuel Line Clip - A	1
18-7	650331	Fuel Petcock	1
18-8	650332	Pan Head Bolt (M5x16)	2
18-9	650862	Fuel Cap Neck Seal	1
18-10	813259	Rubber Insert	2
18-11	813260	Collar	2
18-12	813426	Pad	2
18-13	650940	Bolt & Washer (M6x25)	2
18-14	990017	¼ X 3 ClrStone Fuel Filter	1

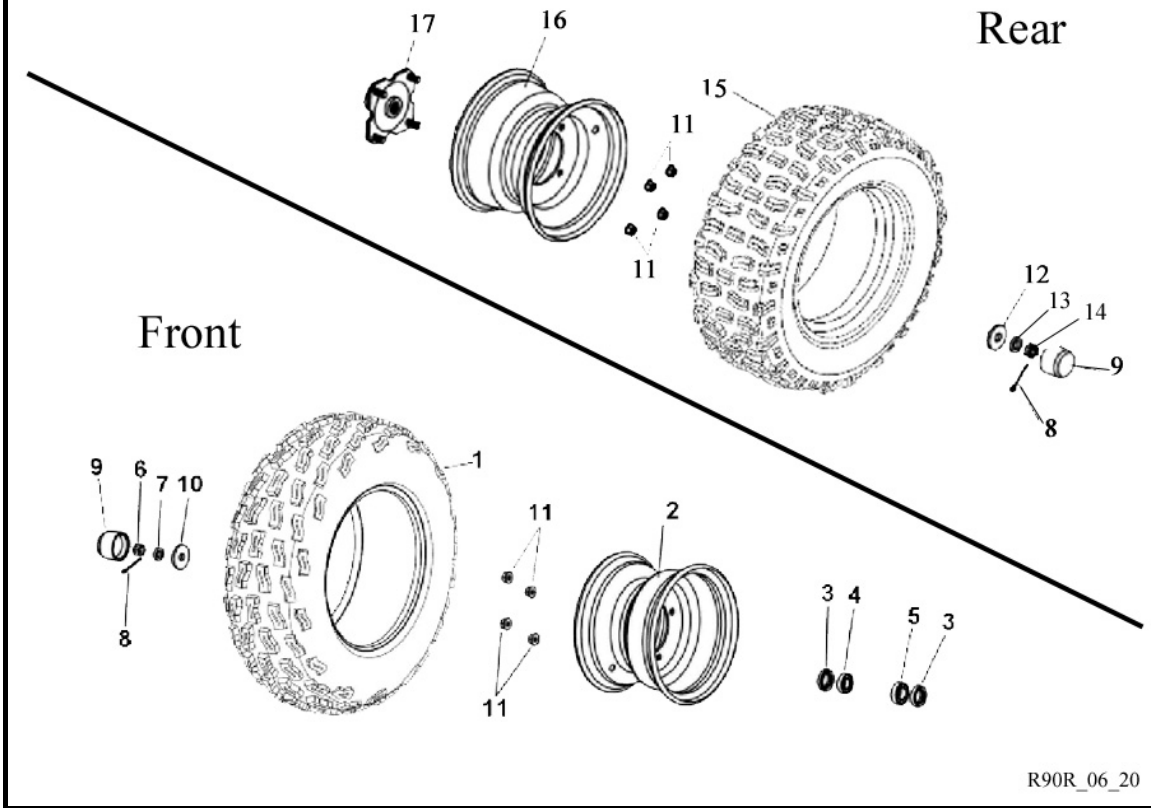
19. Suspension System



R90R_06_19

Fig Ref	Item No.	Description	Qty Req
19-1	811723	Front Shock Absorber	2
19-2	811751	Pin Hole Bolt (M8x40)	6
19-3	750375	Locking Flange Nut (M10x19)	4
19-4	811731	Rear Shock Absorber	1
19-5	650339	Cotter Pin (1/8 x 1)	5
19-6	750318	Hair Pin Cotter	1

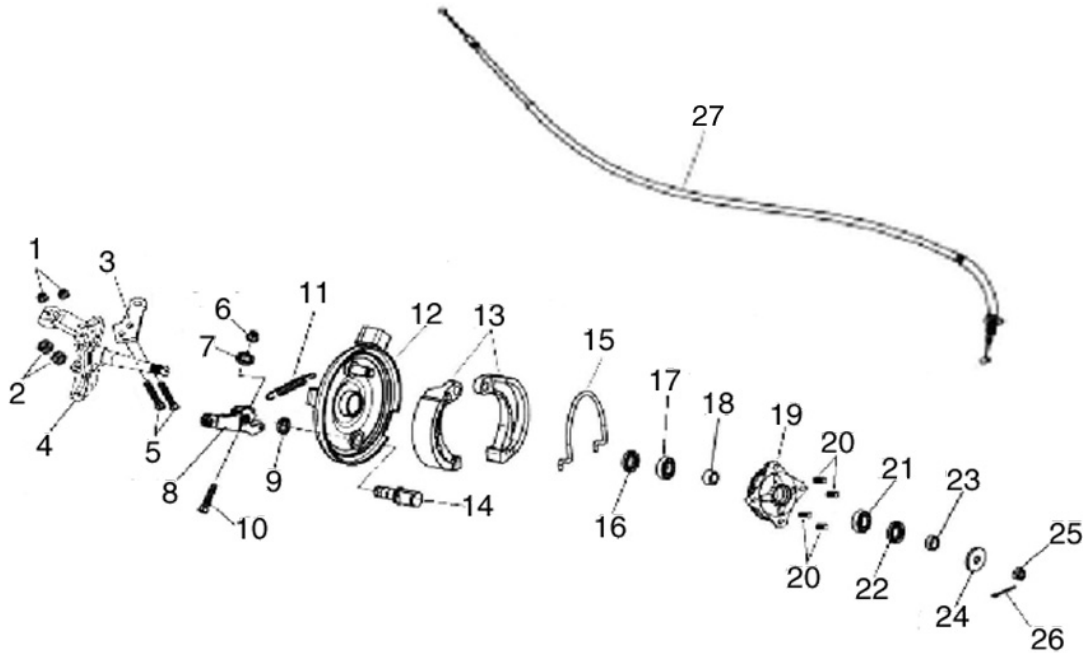
20. Front & Rear Wheel Assemblies



R90R_06_20

Fig Ref	Item No.	Description	Qty Req
20-1	610163	Front Tire (18x7x8)	2
20-2	650537	Wheel Rim (8x5.5 AT26)	2
20-3	650345	Oil Seal (22x35x7)	4
20-4	650999	Bearing (6002LLU)	2
20-5	811774	Bearing (6003LLU)	2
20-6	650350	Castle Nut (M12x16)	2
20-7	610139	Flat Washer (M12x20x2)	2
20-8	811084	Cotter Pin	4
20-9	650353	Rubber Hub Cap	4
20-10	650354	Flat Washer (M10x40x4)	2
20-11	650961	Locking Flange Nut (M10x20)	16
20-12	650368	Flat Washer (M14x40x5))	2
20-13	800291	Flat Washer (M15x24x2)	2
20-14	800525	Castle Nut (M14x19)	2
20-15	610160	Rear Tire (18x9x8)	2
20-16	610140	Rear Wheel Rim (8x5.5 AT24)	2
20-17	650698	Shaft Connector	2

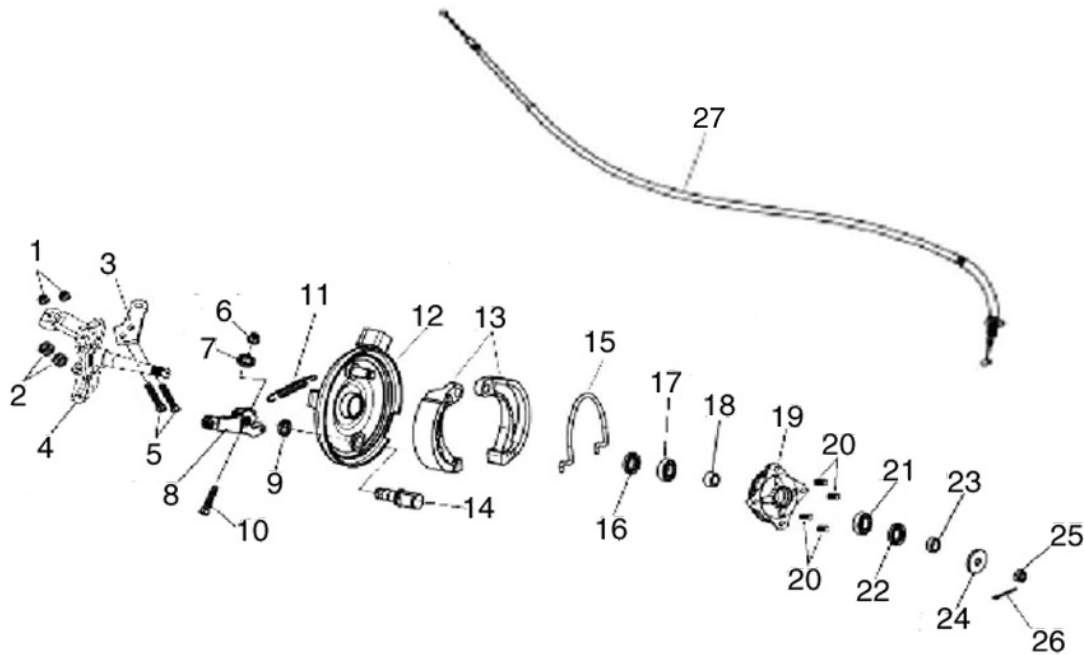
21. Front Brake System



R90R_06_21

Fig Ref	Item No.	Description	Qty Req
21-1	812355	Nut (M8x12)	2
21-2	812357	Castle Nut (M10x14)	2
21-3	812358	Tie Rod Connector Plate (LH)	1
21-3	812359	Tie Rod Connector Plate (RH)	1
21-4	811707	Knuckle (LH)	1
21-4	811709	Knuckle (RH)	1
21-5	812356	Bolt (M8x30)	4
21-6	812360	Lock Nut (M8x12)	2
21-7	812361	Flat Washer (M6x11x1)	2
21-8	811700	Front Brake Arm, LH	1
21-8	811701	Front Brake Arm, RH	1
21-9	812362	O-Ring	2
21-10	650394	Bolt (M6 X 30)	2
21-11	650381	Brake Return Spring	2
21-12	811698	Front Brake Panel, LH	1
21-12	811699	Front Brake Panel, RH	1
21-13	811693	Front Brake Shoe	2
21-14	811695	Front Brake Arm Cam	2
21-15	811694	Brake Shoe Spring	2
21-16	700294	Oil Seal	2
21-17	812363	Bearing (Inner 6004RZ))	2
21-18	811691	Inner Spacer (15x21.7x10)	2
21-19	811692	Front Brake Drum	2
21-20	610040	Stub Bolt (M10x33)	8
21-21	812364	Bearing (Outer)	2
21-22	812365	Oil Seal (Outer)	2

21. Front Brake System



R90R_06_21

Fig Ref	Item No.	Description	Qty Req
21-23	811690	Outer Spacer	2
21-24	812366	Flat Washer (M15x40x3)	2
21-25	812367	Castle Nut (M14x20)	2
21-26	812368	Cotter Pin	2
21-27	811732	Front Brake Cable	2

23. Rear Brake System

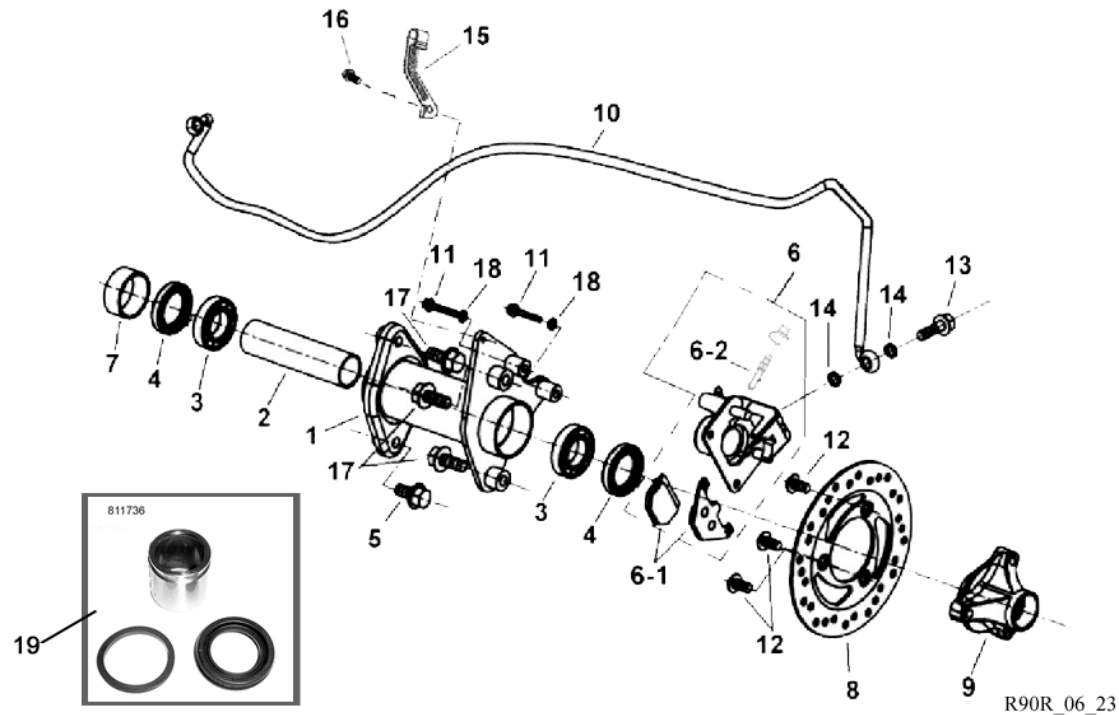


Fig Ref	Item No.	Description	Qty Req
23-1	610141	Rear Axle Bearing Seat	1
23-2	650385	Inner Axle Spacer	1
23-3	650386	Bearing (6006ZZ)	2
23-4	650811	Oil Seal (42x55x8)	2
23-5	650395	Flange Bolt (M12 X 25)	1
23-6	610142	Rear Disc Brake Caliper	1
23-6-1	812805	Disc Brake Pads (Standard)	1
23-6-1	610143	Disc Brake Pads (Heavy Duty)	1
23-6-2	610010	Bleeder Valve & Cap	1
23-7	811045	Outer Axle Spacer	1
23-8	610144	Rear Brake Rotor	1
23-9	610145	Brake Rotor Mount	1
23-10	610146	Rear Hydraulic Brake Line	1
23-11	650927	Flange Bolt (M8x35)	2
23-12	750292	Allen Head Bolt (M10x20)	3
23-13	750314	Brake Hose Union Bolt M10x21	1
23-14	750309	Flat Washer (M10x12x1)	2
23-15	610148	Brake Line Clip	1
23-16	650271	Flange Bolt (M6 X 12)	1
23-17	650396	Flange Bolt (M12 X 28)	3
23-18	650424	Spring Washer (M8x14x2)	2
23-19	811736	Brake Caliper Service Kit	1

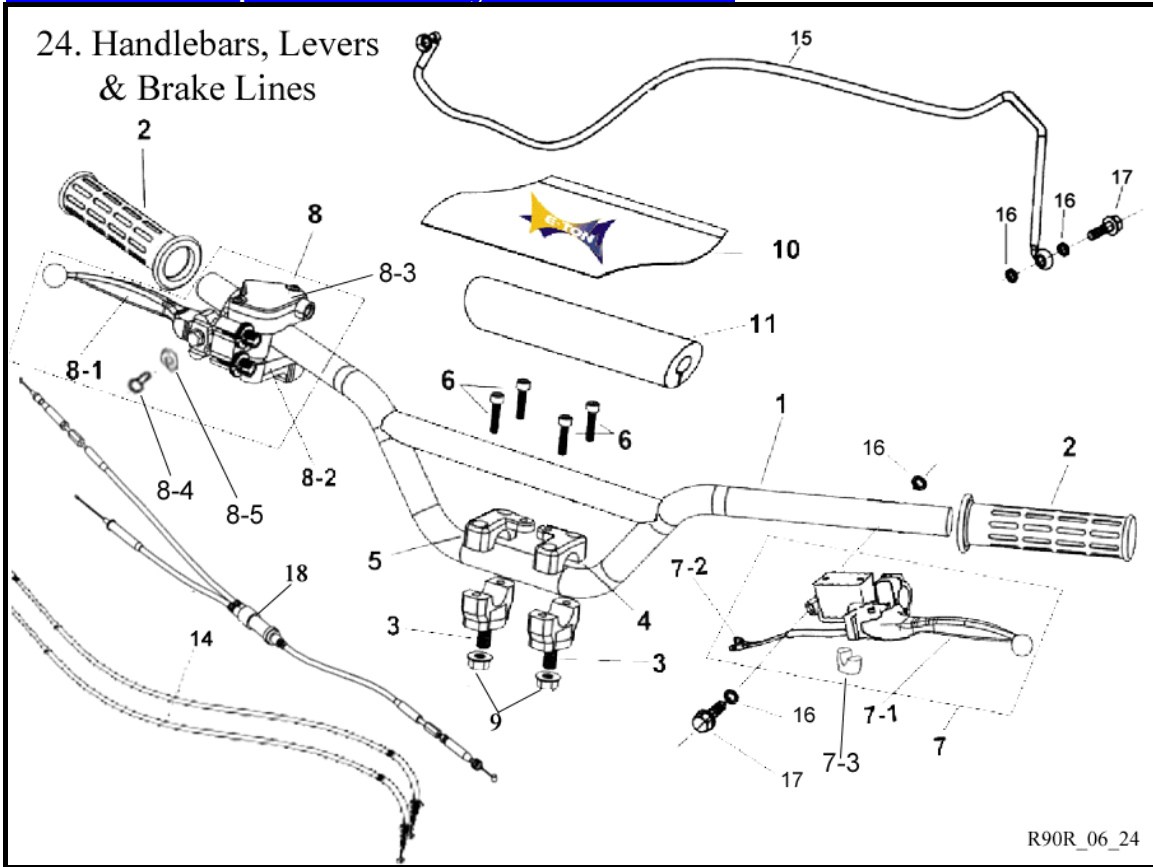
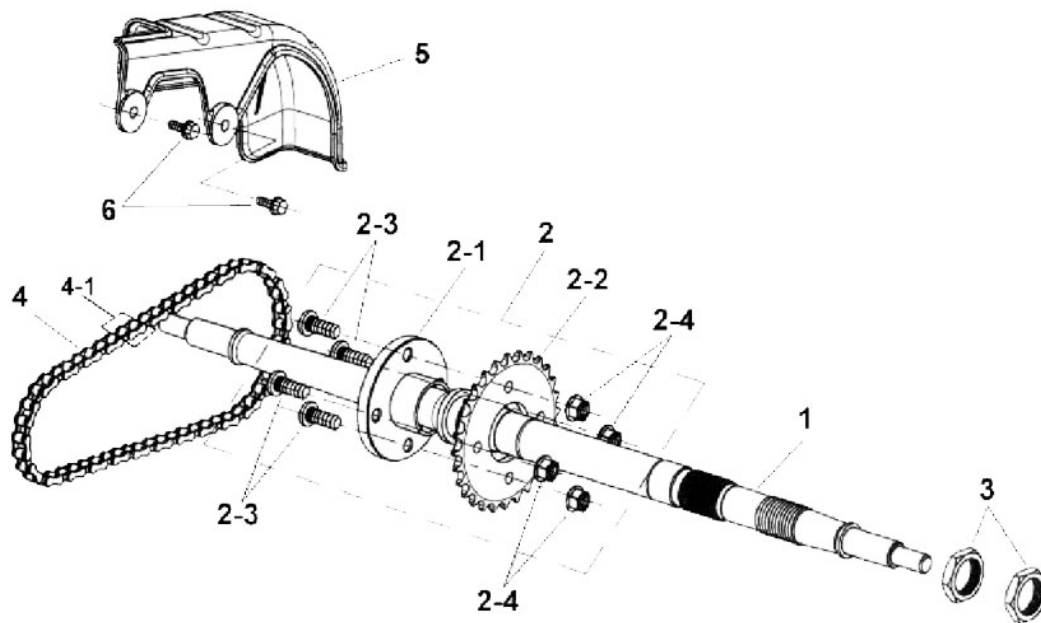


Fig Ref	Item No.	Description	Qty Req
24-1	610069	Handlebar	1
24-2	650410	Handlebar Grip	2
24-3	650411	Handlebar Clamp (Bottom)	2
24-4	650412	Handlebar Clamp Cap (LH)	1
24-5	650413	Handlebar Clamp Cap (RH)	1
24-6	650558	Socket Bolt (M6 X 25)	4
24-7	610149	Brake Master Cylinder & Lever	1
24-7-1	810561	Brake Lever (LH)	1
24-7-2	610152	Brake Switch Assembly	1
24-7-3	812416	Master Cylinder Bottom Clamp	1
24-8	610154	Front Brake Lever (RH)	1
24-8-1	610151	Lever, (only-RH)	1
24-8-2	610150	Throttle Lever (RH)	1
24-8-3	812425	Throttle Cover Assembly	1
24-8-4	650135	Pan Head Bolt (M5x14)	1
24-8-5	813213	Nut (M5x8)	1
24-9	650255	Locking Flange Nut (M10x19)	2
24-10	811055	Handlebar Pad Cover	1
24-10	813846	Handlebar Pad Cover (Black)	1
24-11	811056	Handlebar Pad	1
24-14	811732	Front Brake Cable	2
24-15	610146	Rear Hydraulic Brake Line	1
24-16	750309	Flat Washer (M10x12x1)	4
24-17	750314	Brake Hose Union Bolt M10x21	2
24-18	811632	Throttle Cable	1

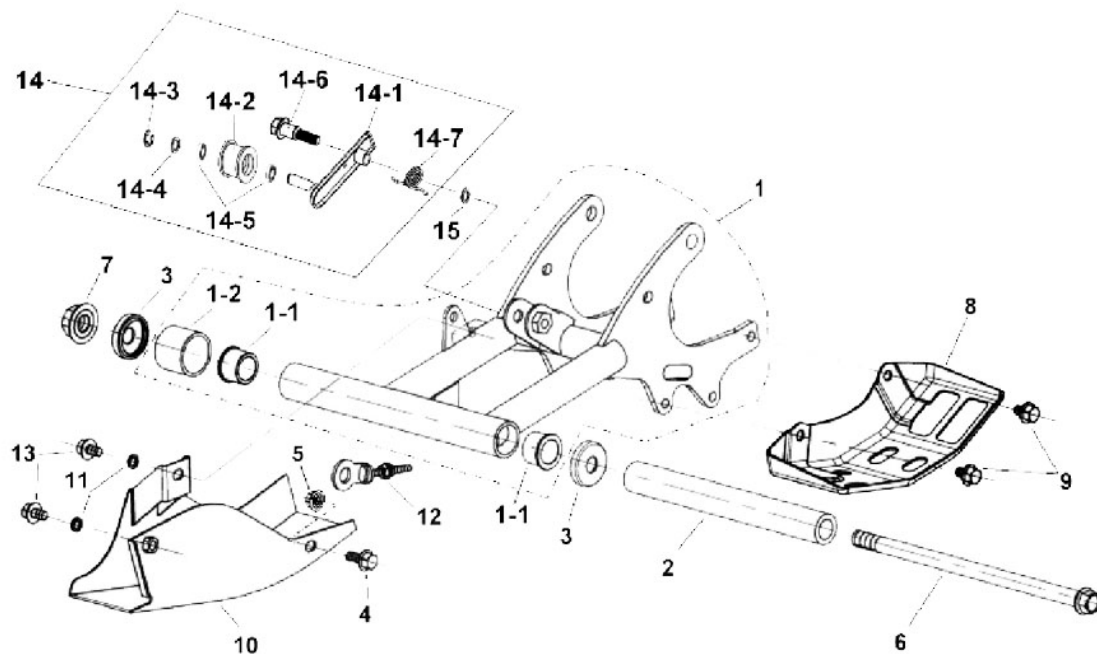
25. Rear Drive Axle Assembly



R90R_06_25

Fig Ref	Item No.	Description	Qty Req
25-1	650550	Rear Axle	1
25-2	650551	Rear Sprocket 520x28T & Holder	1
25-2-1	650422	Rear Sprocket Holder	1
25-2-2	610037	Rear Sprocket (M520x28T)	1
25-2-3	650552	Stud Bolt (M10x25))	4
25-2-4	650255	Locking Flange Nut (M10x19)	4
25-3	650555	Rear Axle Nut (M28x35x8)	2
25-4	650556	Drive Chain (Std #520x66L)	1
25-4-1	810591	Master Link #520	1
25-5	811046	Upper Rear Chain Guard	1
25-6	650417	Flange Bolt (M8x30)	2

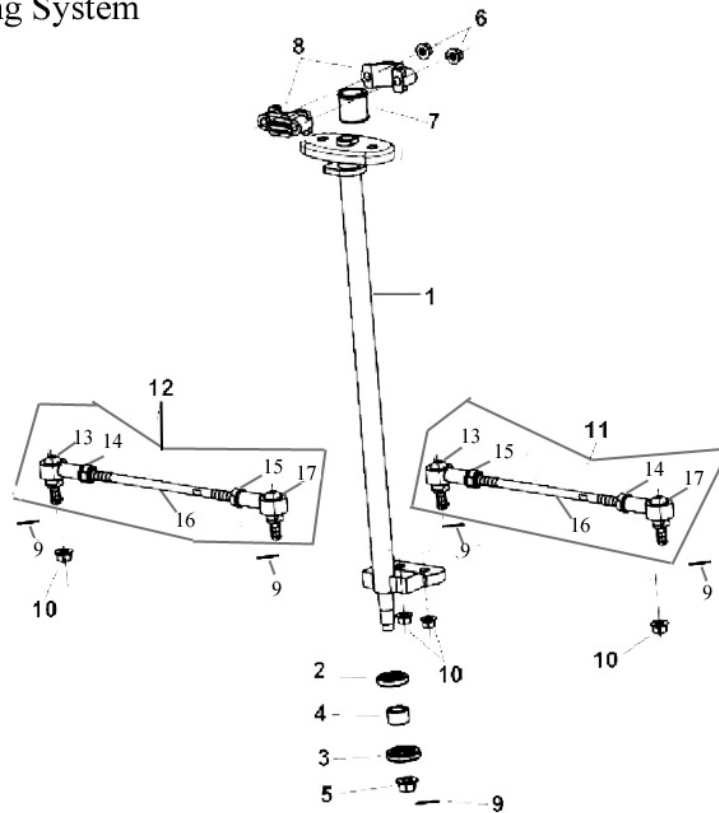
26. Swing Arm & Skid plates



R90R_06_26

Fig Ref	Item No.	Description	Qty Req
26-1	650011	Swing Arm	1
26-1-1	650273	Oil Containing Bushing (020)	2
26-1-2	650276	Swing Arm Chain Protector	1
26-2	650274	Swing Arm Spacer (20x14.1x254)	1
26-3	650275	Swing Arm Seal Cover (30.8x35.	2
26-4	650417	Flange Bolt (M8x30)	1
26-5	650279	Locking Flange Nut (M8x18)	1
26-6	650277	Swing Arm Set Bolt (M14 X 285)	1
26-7	650278	Locking Flange Nut (M14x25)	1
26-8	811047	Brake Caliper Skid Plate	1
26-9	650402	Flange Bolt (M8 X 12)	2
26-10	811687	Chain Skid Plate	1
26-11	650424	Spring Washer (M8x14x2)	2
26-12	650966	Chain Adjuster	1
26-13	650294	Flange Bolt (M8 X 16)	2
26-14	811514	Chain Tentioner Assembly	1
26-14-1	811724	Idler Bracket	1
26-14-2	811727	Tension Idler Wheel	1
26-14-3	811729	Circle Clip	1
26-14-4	811728	Flat Washer (M12x16x1)	1
26-14-5	811730	Bearing	2
26-14-6	811726	Stud Bolt (M8x28)	1
26-14-7	811725	Return Spring	1
26-15	700286	Flat Washer (M9x18x1)	1

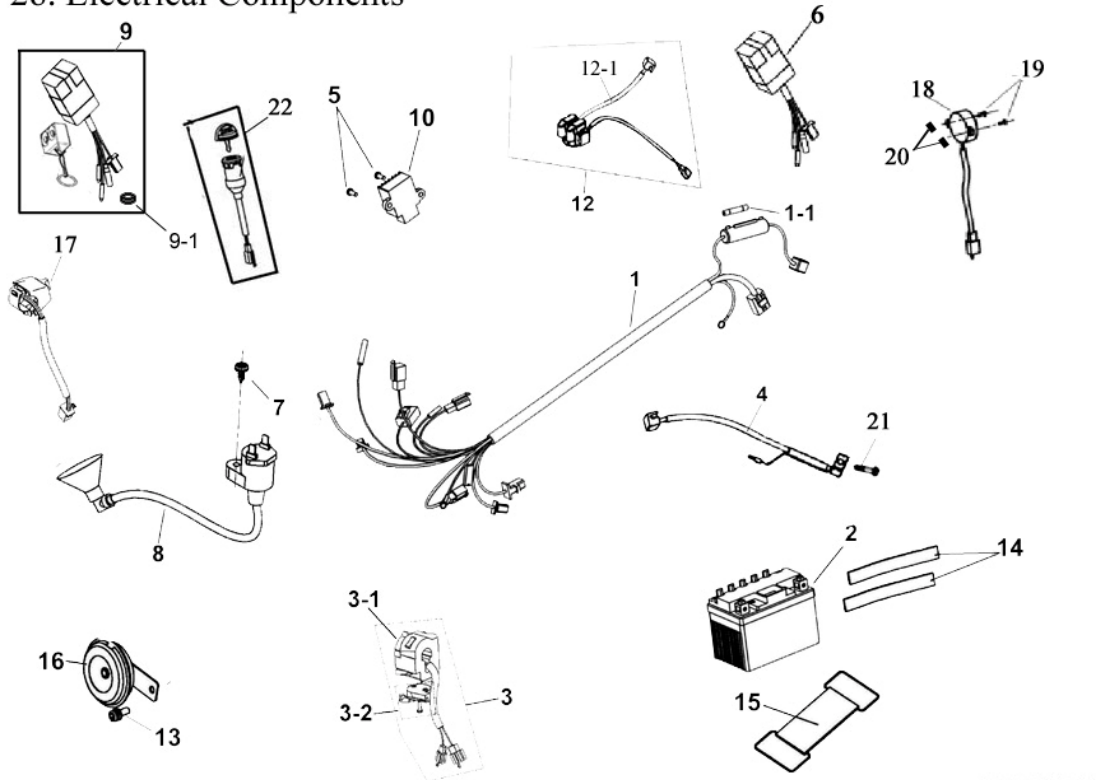
27. Steering System



R90R_06_27

Fig Ref	Item No.	Description	Qty Req
27-1	811058	Steering Shaft	1
27-2	650430	Oil Seal (18x32x7)	1
27-3	650345	Oil Seal (22x35x7)	1
27-4	650346	Inner Spacer (15x21.7X15)	1
27-5	650278	Locking Flange Nut (M14x25)	1
27-6	800426	Bolt (M8 X 60)	2
27-7	650435	PU Bushing Sleeve	1
27-8	650442	Steering Shaft Clamp	2
27-9	650339	Cotter Pin (1/8 x 1)	5
27-10	650255	Locking Flange Nut (M10x19)	4
27-11	811713	Steering Tie Rod (LH)	1
27-12	811714	Steering Tie Rod (RH)	1
27-13	610054	Tie Rod End (LH)	4
27-14	610051	Nut (LH) (M10x16)	2
27-15	610050	Nut (RH) (M10x16)	2
27-16	811712	Stud Bolt (M10x180)	2
27-17	610056	Tie Rod End (RH)	4

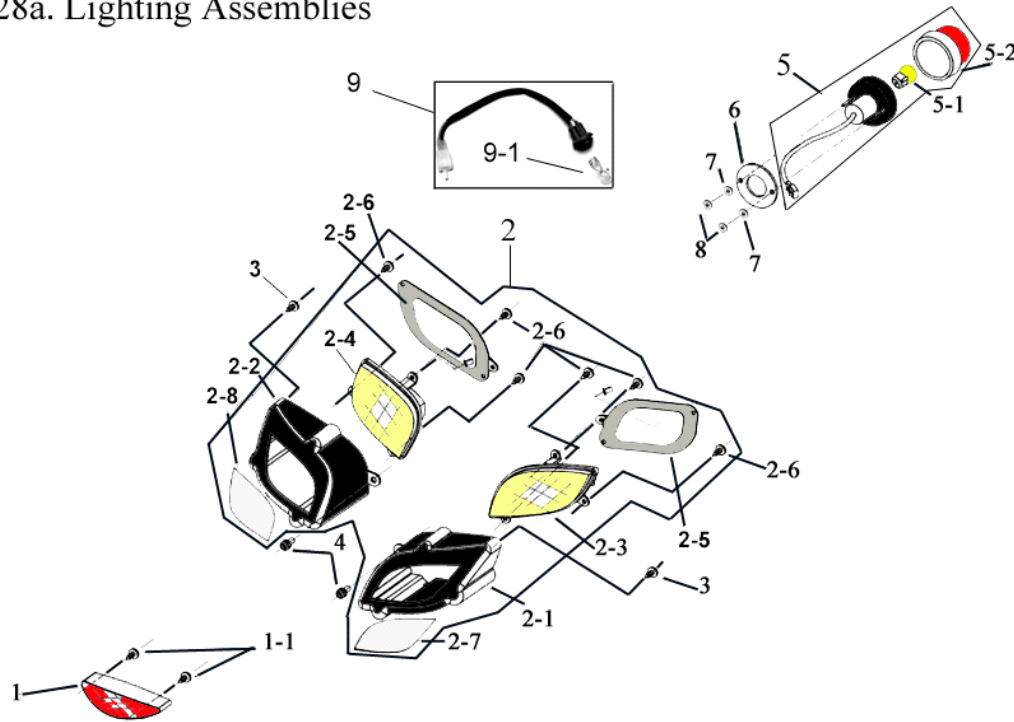
28. Electrical Components



R90R_06_28

Fig Ref	Item No.	Description	Qty Req
28-1	811677	Wiring Harness	1
28-1-1	650565	Fuse (7A)	1
28-2	750173	Battery (WP5L-BS)	1
28-3	811684	On/Off Switch Assembly	1
28-3-1	811038	Handlebar Switch	1
28-3-2	811386	Manual Choke Lever	1
28-4	811679	Negative Terminal Cable	1
28-5	650332	Pan Head Bolt (M5x16)	2
28-6	811668	C.D.I. Unit	1
28-7	610116	Bolt & Washer (M5x20)	1
28-8	811614	Ignition Coil Assembly	1
28-9	811163	Remote Control Rcv/Trnmtr	1
28-9-1	814117	Key Fob Battery	1
28-10	650457	Rectifier	1
28-12	811990	Starter Relay & Terminal Cable	1
28-12-1	811678	Positive Cable	1
28-13	650946	Pan Head Bolt (M6x12)	1
28-14	650723	Foam Pad	2
28-15	651005	Battery Strap	1
28-16	610159	Horn	1
28-17	811039	Shift Selector Switch	1
28-18	810102	Backup Safety Horn	1
28-19	811076	Pan Head Bolt (M3x15)	2
28-20	811075	Nylon Lock Nut	2
28-21	811752	Allen Head Bolt (M6x12)	1
28-22	650720	Ignition Key Switch (4wire)	1

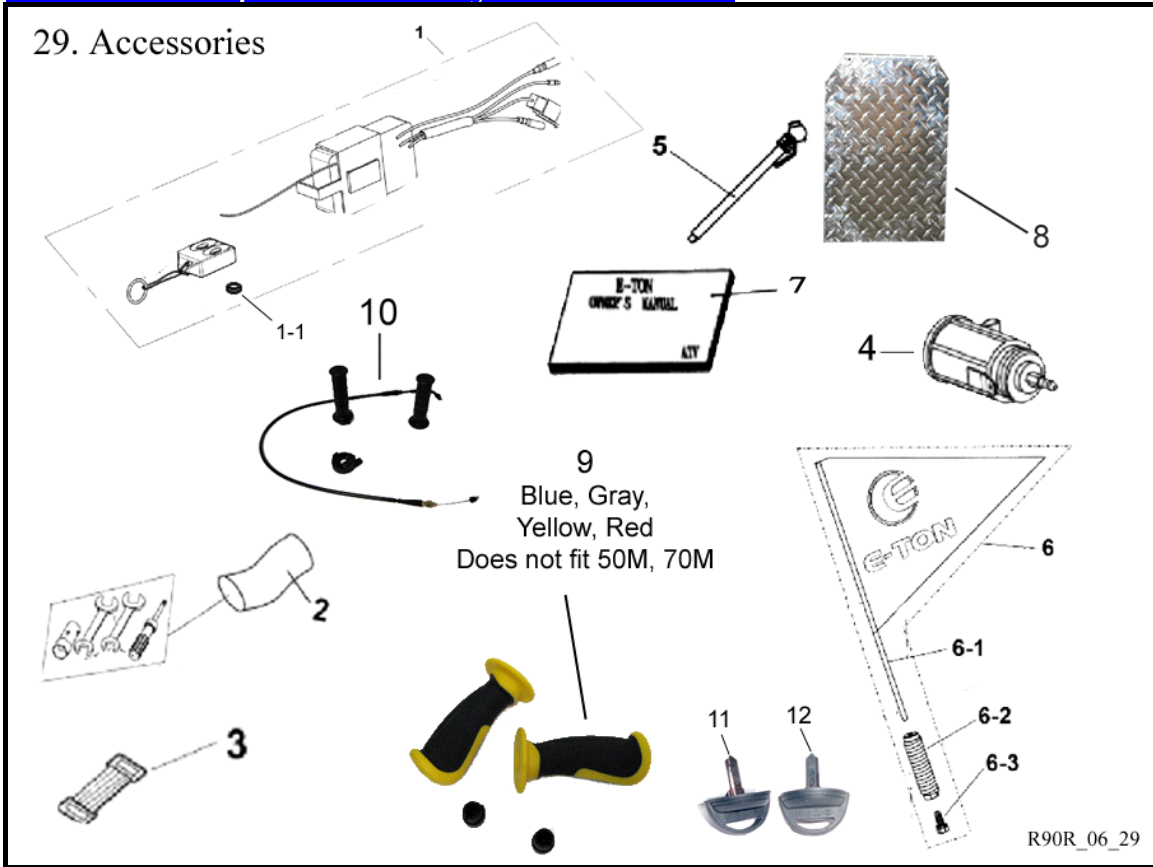
28a. Lighting Assemblies



R90R_06_28a

Fig Ref	Item No.	Description	Qty Req
28a-1	610033	LED Assembly	1
28a-1-1	610194	Self-Tapping Screw (M4x13)	2
28a-2	610170	Head Light Set (LH & RH)	1
28a-2-1	610034	Head Light Cover (LH)	1
28a-2-2	610035	Head Light Cover (RH)	1
28a-2-3	610028	Head Light Lens (LH)	1
28a-2-4	610030	Head Light Lens (RH)	1
28a-2-5	610029	Head Light Gasket	2
28a-2-6	610194	Self-Tapping Screw (M4x13)	6
28a-2-7	610191	Head Light Decal (LH)	1
28a-2-8	610192	Head Light Decal (RH)	1
28a-3	650729	Self Tapping Screw (M4x16)	2
28a-4	650454	Pan Head Bolt & Washer (M6x20)	2
28a-5	610038	Tail Light	2
28a-5-1	610031	Tail Light Bulb (12Vx21/5w)	2
28a-5-2	811037	Tail Light Lens	2
28a-6	610032	Tail Light Gasket	2
28a-7	750337	Flat Washer (M5x10x1)	4
28a-8	700344	Lock Washer (M5x9x1)	4
28a-9	812463	Head Light Wiring Harness Kit	2
28a-9-1	610025	Bulb (12v/10w)	2

29. Accessories



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Fig Ref	Item No.	Description	Qty Req
29-1	811163	Remote Control Rcv/Trnmtr	1
29-1-1	814117	Key Fob Battery	1
29-2	800457	Tool Pack	1
29-3	650727	Tool Kit Retainer Strap	1
29-4	811162	Auxiliary Power Outlet	1
29-5	800529	Tire Pressure Gage	1
29-6	811072	E-TON Safety Flag (Complete)	1
29-6-1	811070	Flag & Mast	1
29-6-2	811071	Flag Holder Base	1
29-6-3	811077	Bolt & Washer (M8x16)	1
29-7	811748	Viper Owners Manual (2006)	1
29-8	990030	Chassis Plate (RX4-90R)	1
29-9	813783	Handlebar Grip Set (Blk/Blue)	1
29-9	813784	Handlebar Grip Set (Blk/Gray)	1
29-9	813785	Handlebar Grip Set (Blk/Ylw)	1
29-9	813786	Handlebar Grip Set (Blk/Red)	1
29-10	813789	Throttle Grip Acceleration Kit	1
29-11	810009	Blank Key (RH Cut)	1
29-12	610009	Blank Key (Left Cut)	1