



ARCTIC CAT®

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650 H1 EFT

T3



2009

Illustrated Parts Manual

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2009 650 H1 EFT T3

Red

Cat Green

Green

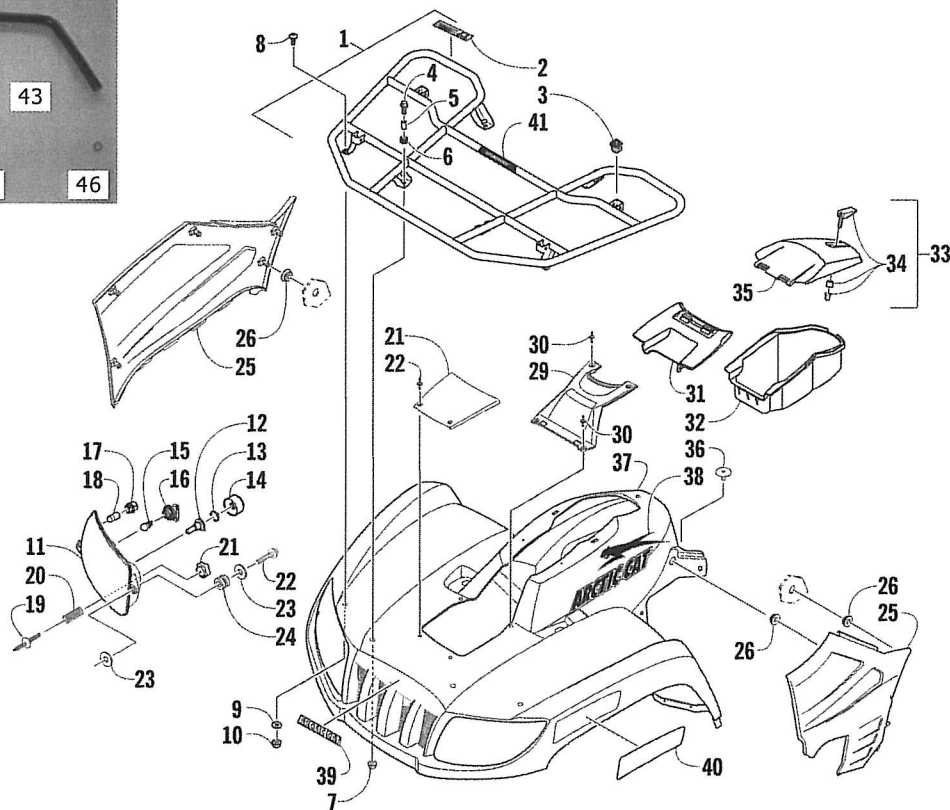
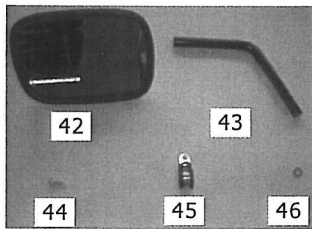
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n NOTE: The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2009 model year. For a complete list of related items, refer to the current accessory catalog.

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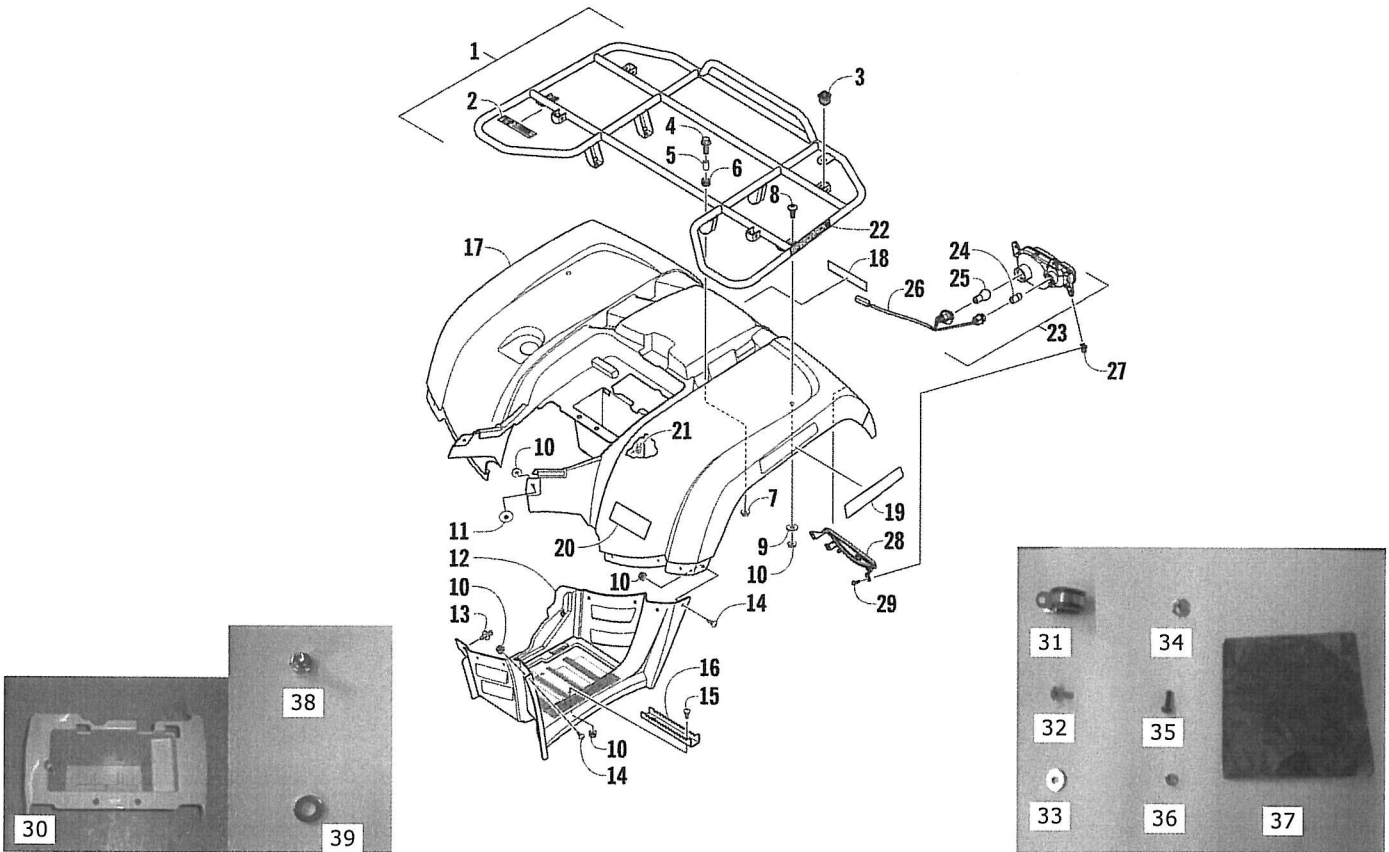
Printed January 2009



FRONT RACK, BODY PANEL, AND HEADLIGHT ASSEMBLIES

0743-233

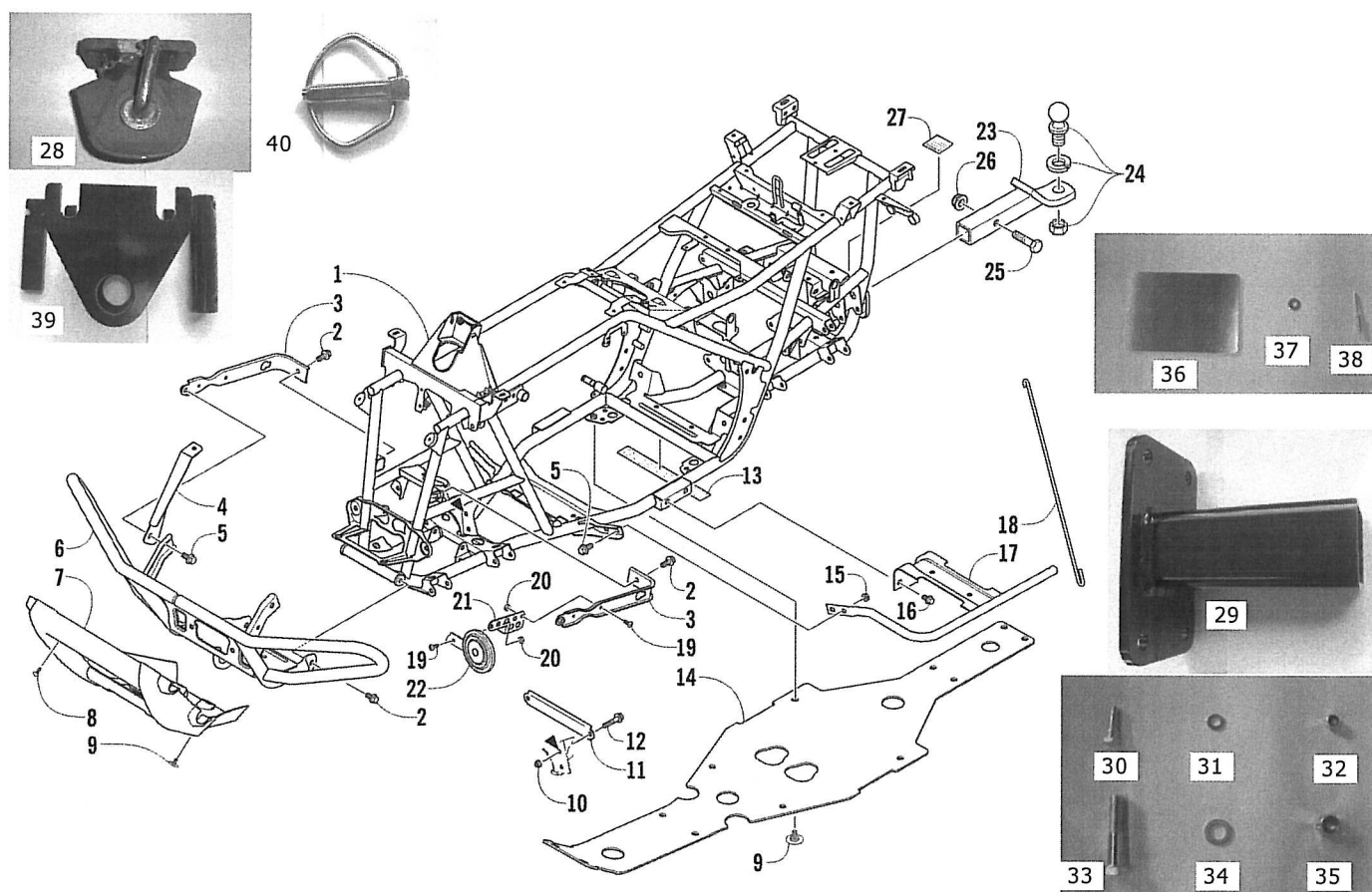
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-106</u>	1	Rack, Front - Assembly (inc. 2-3)	26	0423-678	8	Grommet
2	0411-576	1	ø Decal, Warning - Front Rack Load	27	1406-358	1	Cover, Access
3	0441-592	4	ø Bushing, Rack	28	0423-535	2	Rivet, Reinstallable
4	8410-830	4	Screw, Cap	29	1406-484	1	Cover, Steering Post
5	0423-669	4	Spacer	30	0623-362	4	Rivet, Reinstallable
6	0423-465	4	Grommet	31	0470-513	1	Cover, Storage Box
7	8432-802	4	Nut, Lock	32	1406-573	1	Box, Storage
8	0423-654	2	Screw, Shoulder	33	2506-234	1	Lid, Storage Box w/Latch (inc. 34-35)
9	8050-222	2	Washer	34	1406-599	1	ø Latch, Storage Box
10	0423-540	2	Nut, Lock	35	0470-514	1	ø Lid, Storage Box
11	0509-036	1	Headlight Assembly - Right (inc. 12-18)	36	0423-101	2	Screw, Body
	0509-037	1	Headlight Assembly - Left (inc. 12-18)	37	<u>2406-520</u>	1	Panel, Fender - Front - Red
12	0409-096	2	ø Bulb, Headlight		<u>2406-522</u>	1	Panel, Fender - Front - Green (Green)
13	0409-097	2	ø Retainer, Spring		<u>2406-521</u>	1	Panel, Fender - Front - Cat Green
14	0409-098	2	ø Boot, Rubber				(Cat Green)
15	0409-099	2	ø Bulb, Turn Signal - Front	38	<u>1411-634</u>	1	Decal, Side - Upper Right
16	0409-100	2	ø Socket, Turn Signal Bulb		<u>1411-635</u>	1	Decal, Side - Upper Left
17	0409-102	2	ø Socket, Position Bulb	39	<u>1411-725</u>	1	Decal, Front
18	0409-101	2	ø Bulb, Position	40	0411-818	1	Decal, Reflector - Front - Right
19	0423-514	2	Stud, Adjuster - Headlight		0411-819	1	Decal, Reflector - Front - Left
20	0423-522	2	Spring, Adjuster	41	1411-050	1	Decal, "Speedrack"
21	0423-513	2	Knob, Adjuster	42	AC008-755	1	Mirror T3
22	0623-785	4	Screw, Self-Tapping	43	AC008-756	1	Bracket Mirror T3
23	8050-217	8	Washer	44	AC008-439	2	Screw M6x20
24	0423-447	4	Grommet	45	AC008-058	2	Pipe Clamp 20/15
25	2406-300	1	Panel, Side - Lower - Right	46	AC008-249	2	Washer 6
	2406-419	1	Panel, Side - Lower - Left				



REAR RACK, BODY PANEL, AND TAILLIGHT ASSEMBLIES

0743-231

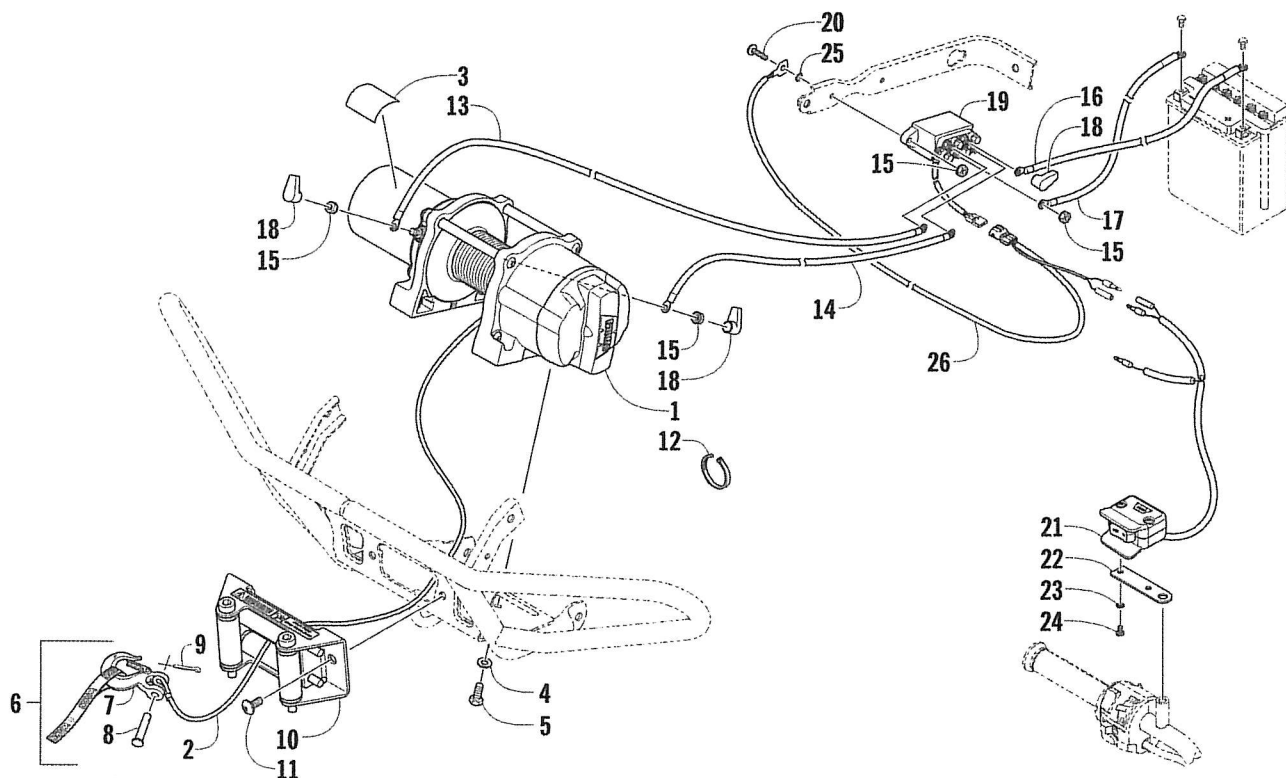
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-125</u>	1	Rack, Rear - Assembly (inc. 2-3)	22	0411-965	2	Decal, "Speedrack"
2	0411-648	1	Ø Decal, Warning - Rear Rack Load	23	<u>3313-392</u>	1	Taillight Assembly - Right (inc. 24-26)
3	0441-592	4	Ø Bushing, Rack		<u>3313-393</u>	1	Taillight Assembly - Left (inc. 24-26)
4	8410-830	4	Screw, Cap	24	<u>3313-506</u>	2	Ø Bulb, Turn Signal - Rear
5	0423-669	4	Spacer	25	3303-849	2	Ø Bulb, Taillight
6	0423-465	4	Grommet	26	<u>3313-509</u>	1	Ø Socket, Taillight - Right
7	8432-802	4	Nut, Lock		<u>3313-507</u>	1	Ø Socket, Taillight - Left
8	0423-654	2	Screw, Shoulder	27	3304-061	6	Nut, Clip
9	8050-222	2	Washer	28	<u>0409-112</u>	1	Bezel, Taillight - Right
10	0423-540	24	Nut, Lock		<u>0409-113</u>	1	Bezel, Taillight - Left
11	0423-101	2	Screw, Body	29	8476-516	6	Screw, Machine
12	1406-356	1	Footwell - Right	30	<u>AC006-247</u>	1	Battery Box Red - T3
	2406-429	1	Footwell - Left		<u>AC006-248</u>	1	Battery Box Lime- T3
13	0623-362	2	Rivet, Reinstallable		<u>AC006-249</u>	1	Battery Box Green-T3
14	0423-419	16	Screw, Machine	31	<u>AC008-050</u>	4	Pipe Clamp 30/15
15	0423-355	4	Screw, Shoulder	32	8468-616	2	Screw M6x16
16	1506-125	2	Footpeg	33	<u>AC008-063</u>	6	Washer 6x20
17	<u>AC006-241</u>	1	Panel, Fender - Rear T3 - Red	34	<u>AC008-280</u>	2	Push In Nut M6
	<u>AC006-243</u>	1	Panel, Fender - Rear T3- Green (Green)	35	8476-616	4	Screw M6x20
	<u>AC006-242</u>	1	Panel, Fender - Rear T3- Cat Green	36	<u>AC008-438</u>	4	Nut M6
18	<u>1411-725</u>	1	Decal, Rear	37	<u>0470-658</u>	1	Heat Shield
19	<u>1411-592</u>	1	Decal, Reflector - Rear - Right	38	<u>AC008-441</u>	1	Screw M8x16
	<u>1411-593</u>	1	Decal, Reflector - Rear - Left	39	<u>AC008-420</u>	1	Washer 8
20	0411-430	1	Decal, Warning - Tire Pressure				
21	0470-658	1	Shield, Heat				



FRAME AND RELATED PARTS

0743-217

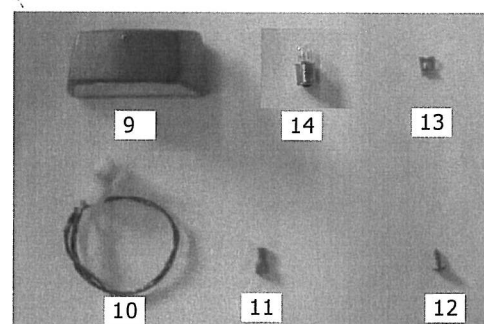
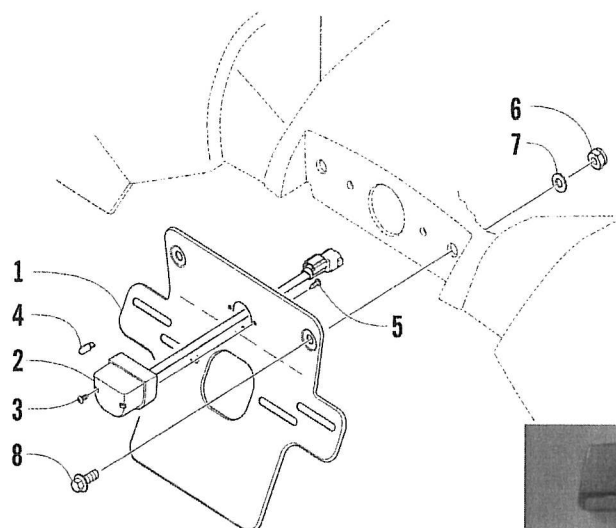
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-675</u>	1	Frame, Main	20	0623-038	3	Nut w/Washer
2	8409-020	4	Screw, Cap	21	2406-321	1	Bracket, Mounting - Horn
3	1506-596	2	Channel, Bumper Mounting	22	0430-053	1	Horn, Electric - 12V
4	1506-562	1	Bracket, Mounting - Bumper - Right	23	<u>0541-714</u>	1	Mount, Ball Hitch
	1506-563	1	Bracket, Mounting - Bumper - Left	24	<u>0436-715</u>	1	Kit, Ball Hitch
5	8408-816	6	Screw, Cap	25	<u>0423-693</u>	1	Bolt
6	1506-855	1	Bumper	26	<u>0423-690</u>	1	Nut, Lock
7	1406-360	1	Grille, Bumper	27	1411-077	1	Decal, Warning - Towing
8	0423-419	2	Screw, Machine	28	AC008-066	1	Towing Device Rear T3
9	0423-101	12	Screw, Body	29	AC008-067	1	Bracket Towing Device Rear T3
10	8428-002	2	Nut, Lock	30	AC008-241	4	Scrw M10x40
11	1506-429	1	Brace, A-Arm	31	AC008-240	8	Washer 10
12	8409-025	2	Screw, Cap	32	AC008-242	4	Stop Nut M10
13	0406-289	2	Pad, Frame	33	AC008-291	1	Screw M16x80
14	2406-029	1	Panel, Belly	34	AC008-292	2	Washer 16
15	8424-802	4	Nut, Flange	35	AC008-293	1	Stop Nut M16
16	8409-016	4	Screw, Cap	36	AC008-288	1	Type Plate
17	1506-380	1	Footrest - Right	37	AC008-290	6	Washer 6
	1506-379	1	Footrest - Left	38	AC008-289	2	Rivet Blind 5x18
18	2506-423	2	Rod, Support	39	AC008-065	1	Towing Device, Front, T3
19	8477-616	3	Screw, Machine	40	AC008-294	2	Safety Pin, 9mm



WINCH ASSEMBLY

0743-257

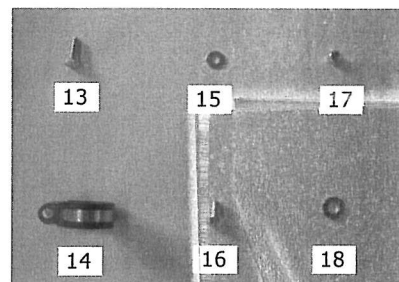
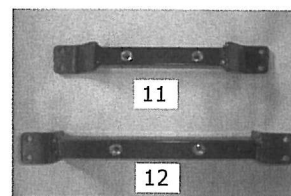
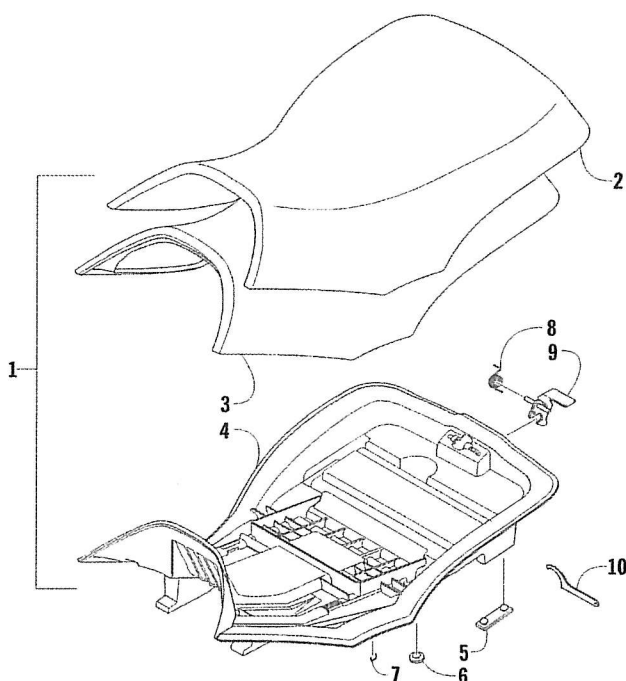
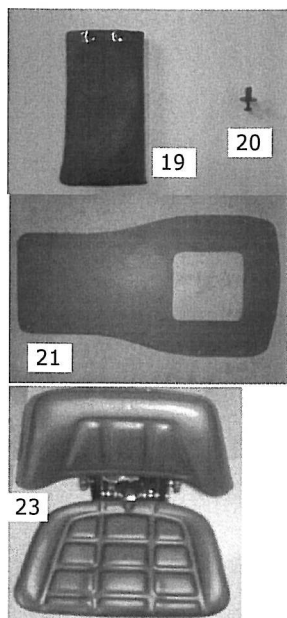
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1441-657</u>	1	Winch (inc. 2-3)	14	<u>0445-069</u>	1	Cable, Winch/Solenoid - Blue
2	0441-061	1	Ø Cable, Winch	15	0623-038	8	Nut w/Washer
3	<u>1411-826</u>	1	Ø Decal, Warning	16	1441-112	1	Cable, Solenoid/Battery - Black
4	8051-246	4	Washer, Lock	17	1441-113	1	Cable, Solenoid/Battery - Red
5	8408-820	4	Screw, Cap	18	0441-060	3	Boot, Terminal
6	0441-426	1	Hook, Winch w/Strap - Assembly (inc. 7-9)	19	0409-066	1	Solenoid
7	1441-131	1	Ø Hook, Winch w/Strap	20	8476-625	2	Screw, Machine
8	1441-130	1	Ø Pin	21	0505-552	1	Switch, Winch - Assembly (inc. 22-26)
9	1441-129	1	Ø Cotter Pin	22	0505-551	1	Ø Bracket, Winch Switch
10	0441-403	1	Roller, Winch	23	8050-093	2	Ø Washer, Lock - Internal Tooth
11	8468-820	2	Screw, Machine	24	8009-243	2	Ø Screw, Machine
12	0123-788	AR	Cable Tie - 7.5 in.	25	0853-212	1	Ø Washer, Lock - External Tooth
13	<u>0445-068</u>	1	Cable, Winch/Solenoid - Yellow	26	0486-276	1	Ø Harness, Adapter - Solenoid



LICENSE PLATE HOLDER ASSEMBLY

0743-236 *Not a Service Part

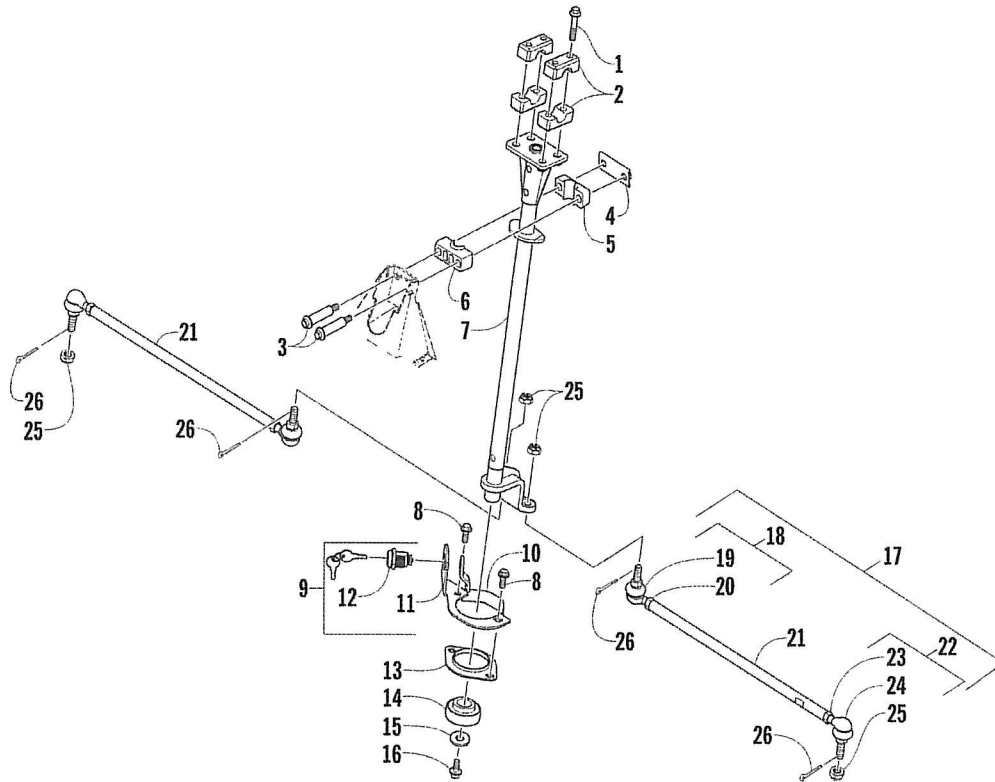
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-914</u>	1	Holder, License Plate	8	8408-820	2	Screw, Machine
2	<u>3304-772</u>	1	Light, License Plate (inc. 3-4)	9	AC003-147	1	Number Plate Light
3	*	2	Screw	10	AC003-219	1	Harness Light License Plate
4	<u>3303-847</u>	1	Ø Bulb	11	AC003-053	2	Blade Terminal Insulated
5	<u>0423-950</u>	2	Screw, Self-Tapping	12	AC008-243	2	Self-Tapping Screw 3,9x16
6	<u>8432-802</u>	2	Nut, Lock	13	AC008-295	2	Nut 3,9
7	<u>8050-247</u>	2	Washer	14	AC003-093	1	Bulb 10W



SEAT ASSEMBLY

0743-249

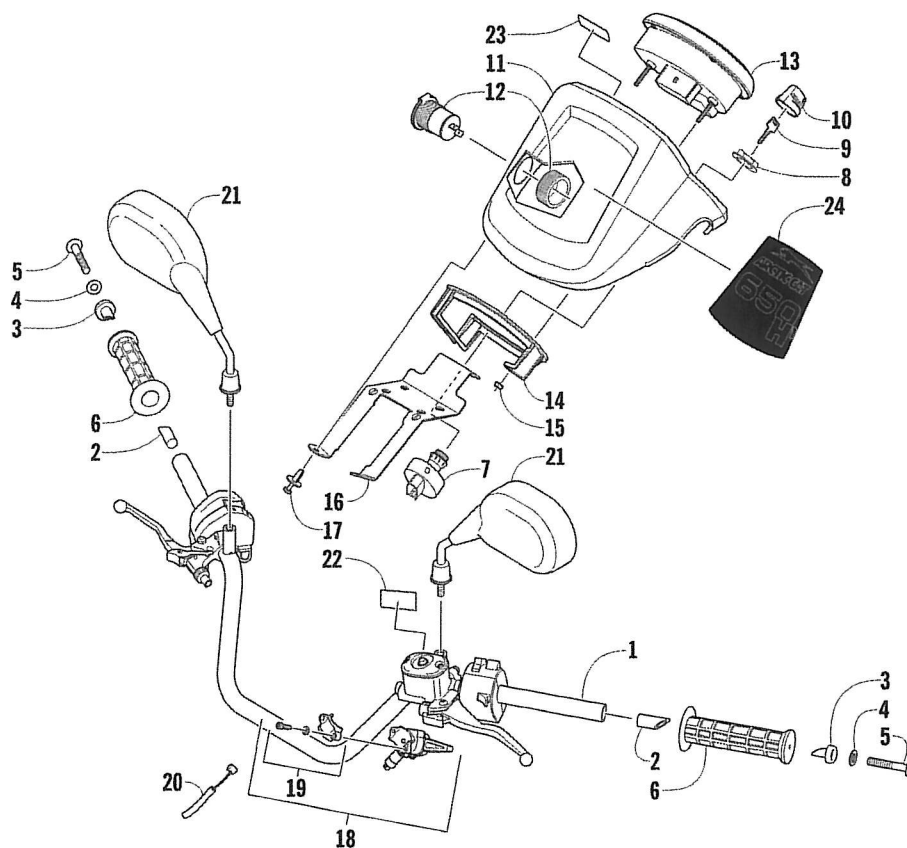
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	4506-937	1	Seat Assembly (inc. 2-9)	12	AC008-282	1	Bracket Seat Rear T3
2	4506-209	1	ø Cover, Seat	13	AC008-432	8	Screw M6x25
3	4506-208	1	ø Foam, Seat	14	AC008-285	8	Pipe Clamp 25/15
4	2406-144	1	ø Base, Seat - Assembly (inc. 5-6)	15	AC008-249	8	Washer 6
5	0406-879	2	ø ø Bumper, Seat - Rear	16	AC008-217	4	ScREW M8x20
6	0406-877	4	ø ø Bumper, Seat - Front	17	AC008-424	8	Stop Nut M6
7	0624-528	AR	ø Staple	18	AC008-420	4	Washer 8
8	1406-592	1	ø Spring, Seat Latch	19	AC008-287	1	Toolbag
9	4506-156	1	ø Latch, Seat	20	0623-362	14	Rivet
10	0441-587	1	Wrench, Spanner	21	AC008-286	1	Seat Cover T3
11	AC008-281	1	Bracket Seat Front T3	22	AC008-284	1	Seat T3



STEERING POST ASSEMBLY

0743-209 *Not a Service Part

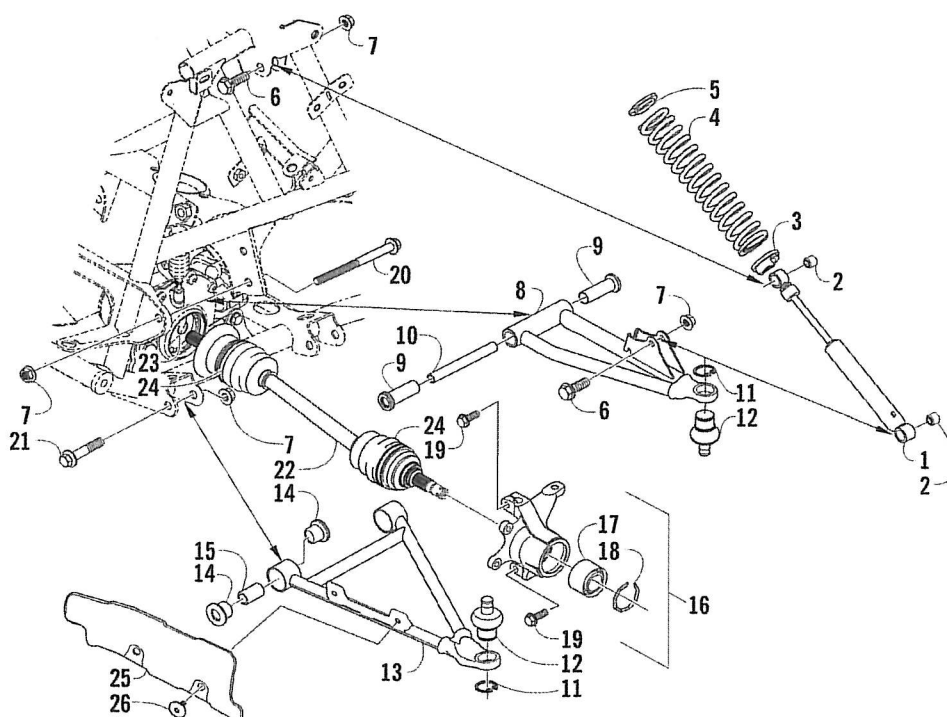
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	15	0423-073	1	Washer
2	0405-035	4	Cap, Steering Adjuster	16	8409-020	1	Screw, Cap
3	0423-505	2	Screw, Shoulder	17	0505-499	2	Tie Rod - Assembly (inc. 18-24)
4	0505-484	1	Cap, Housing	18	0505-511	2	ø End, Tie Rod - Left-Hand Thread - Kit (inc. 19-20 and two No. 25-26)
5	0405-138	1	Housing, Lower	19	*	2	ø ø End, Tie Rod - Left-Hand Thread
6	0405-139	1	Housing, Upper	20	0423-013	2	ø ø Nut - Left-Hand Thread
7	0505-451	1	Post, Steering	21	0405-281	2	ø Tie Rod
8	8408-816	2	Screw, Cap	22	0505-510	2	ø End, Tie Rod - Right-Hand Thread - Kit (inc. 23-24 and two No. 25-26)
9	2406-355	1	Lock, Steering - Assembly (inc. 10-12)	23	*	2	ø ø End, Tie Rod - Right-Hand Thread
10	2506-173	1	ø Latch	24	8420-002	2	ø ø Nut - Right-Hand Thread
11	2406-354	1	ø Lock	25	0423-157	4	Nut, Lock
12	2406-349	1	ø Bracket, Mounting - Lock	26	0623-175	4	Pin, Cotter
13	0602-233	1	Flange, Bearing				
14	0405-052	1	Bearing w/Inverted Oil Seal				



HANDLEBAR ASSEMBLY

0743-211

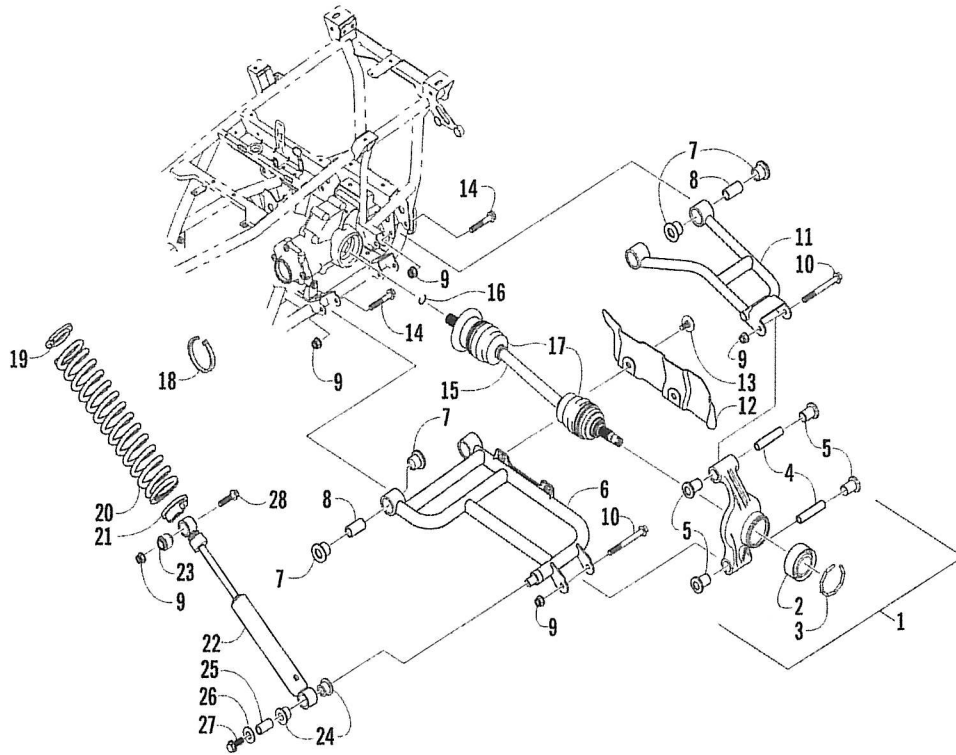
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0505-522	1	Tube, Handlebar	12	0641-897	1	Outlet, Accessory - 12V
2	0405-218	2	Plug, Handlebar	13	0520-019	1	Gauge, LCD
3	0405-149	2	End Cap, Handlebar	14	0420-065	1	Clamp, Plastic
4	8050-247	2	Washer	15	0423-493	2	Nut, Hex
5	8477-845	2	Screw, Machine	16	2506-470	1	Bracket, Mounting - Instrument Pod
6	0405-147	2	Grip, Handlebar	17	0423-535	2	Rivet, Reinstallable
7	0430-069	1	Switch, Ignition - Assembly (inc. 8-10)	18	0502-527	1	Control, Differential Lock (inc. 19)
8	0430-050	1	Ø Nut, Flange - Ignition Switch	19	0502-613	1	Ø Clamp, Differential Lock Control - Kit
9	0430-042	1	Ø Key, Ignition (Y Series - Left-Side Cut)	20	0487-050	1	Cable, Differential Lock
	0430-043	1	Ø Key, Ignition (Z Series - Right-Side Cut)	21	2406-630	1	Mirror - Right
10	0430-054	1	Ø Cover, Key		2406-631	1	Mirror - Left
11	0405-273	1	Instrument Pod	22	1411-865	1	Decal, Warning - Brake Lever Lock
	0405-274	1	Instrument Pod (Green)	23	0411-966	1	Decal, Warning - Differential Lock
	0405-275	1	Instrument Pod (Cat Green)	24	1411-561	1	Decal, Instrument Pod



FRONT SUSPENSION ASSEMBLY

0743-294

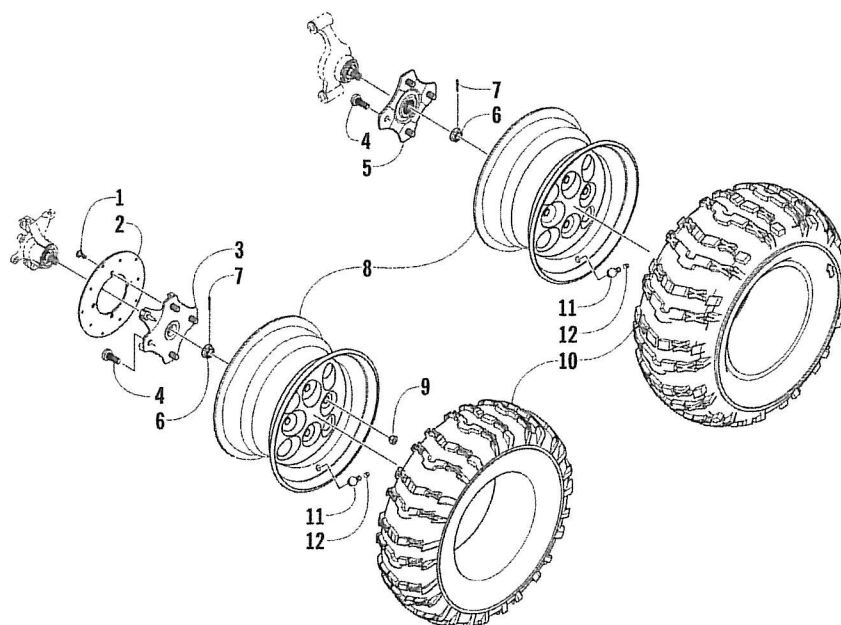
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0403-180	2	Shock Absorber - Front (inc. 2)	17	1402-027	2	ø Bearing, Wheel Hub
2	0403-182	4	ø Bushing, Double-Bonded	18	0423-423	2	ø Ring, Retaining
3	0403-102	2	Cam, Spring Adjuster	19	8409-030	4	Screw, Cap
4	0403-178	2	Spring, Shock Absorber - Platinum	20	0423-334	2	Screw, Cap
5	1603-889	2	Retainer, Spring	21	8409-075	4	Screw, Cap
6	8409-040	4	Screw, Cap	22	0502-812	1	Axle, Drive - Front - Right (inc. 23-24)
7	0423-744	10	Nut, Lock		0502-813	1	Axle, Drive - Front - Left (inc. 23-24)
8	0503-272	1	A-Arm, Upper Right - Platinum (inc. 9-12)	23	1441-109	2	ø Clip, Retaining
	0503-273	1	A-Arm, Upper Left - Platinum (inc. 9-12)	24	0436-276	2	ø Repair Kit, Boot - Front Axle
9	0403-081	4	ø Bushing	25	0441-752	1	Guard, Boot - Axle - Right - Red
10	0403-080	2	ø Collar		0441-753	1	Guard, Boot - Axle - Left - Red
11	0423-009	4	ø Clip, Ball Joint		1441-002	1	Guard, Boot - Right - Green (Green)
12	0405-115	4	ø Ball Joint - Front		1441-003	1	Guard, Boot - Left - Green (Green)
13	0503-342	1	A-Arm, Lower Right - Platinum (inc. 14-15 and two No. 11-12)		0441-756	1	Guard, Boot - Axle - Right - Cat Green (Cat Green)
	0503-343	1	A-Arm, Lower Left - Platinum (inc. 14-15 and two No. 11-12)		0441-757	1	Guard, Boot - Axle - Left - Cat Green (Cat Green)
14	0403-115	8	ø Bushing	26	0423-545	4	Screw, Body
15	0403-114	4	ø Collar				
16	0505-460	1	Knuckle - Assembly - Right (inc. 17-18)				
	0505-461	1	Knuckle - Assembly - Left (inc. 17-18)				



REAR SUSPENSION ASSEMBLY

0743-295

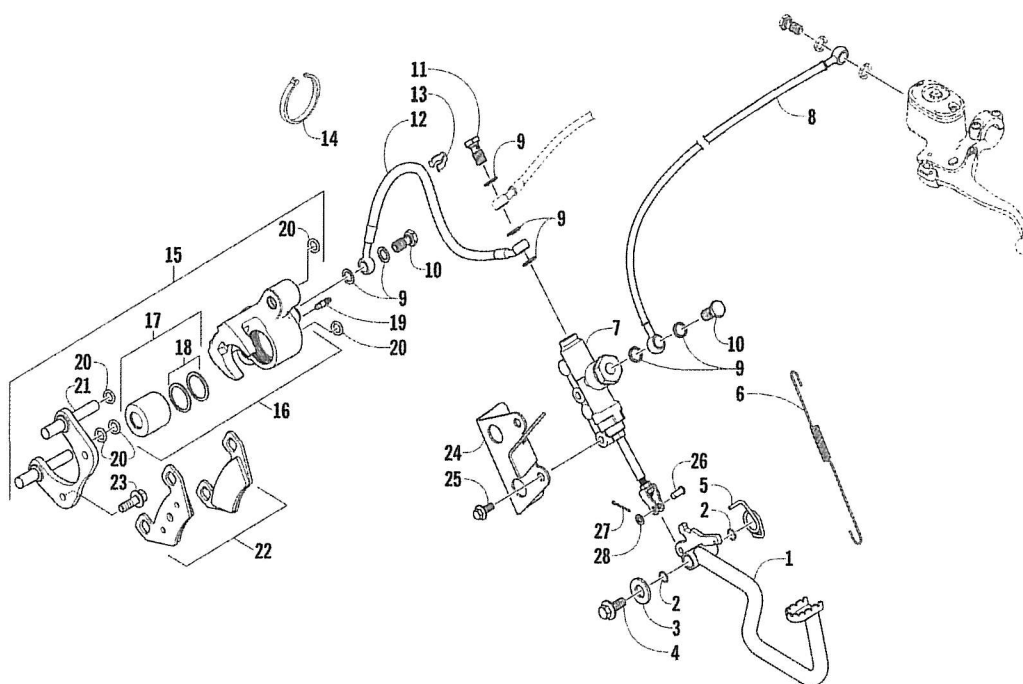
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-374	1	Knuckle, Right Rear - Assembly (inc. 2-5)	13	0423-545	4	Screw, Body
	0504-373	1	Knuckle, Left Rear - Assembly (inc. 2-5)	14	8409-075	8	Screw, Cap
2	1402-027	2	ø Bearing, Wheel Hub	15	0502-811	2	Axle, Drive (inc. 16-17)
3	0423-423	2	ø Ring, Retaining	16	0441-893	2	ø Clip, Retaining
4	0403-038	4	ø Collar, Suspension Bushing	17	0436-276	2	ø Repair Kit, Boot - Rear Axle
5	0403-032	8	ø Bushing, Suspension	18	0123-788	2	Cable Tie
6	0504-440	1	A-Arm, Rear - Lower Right - Platinum (inc. 7-8)	19	1603-889	2	Retainer, Spring
	0504-441	1	A-Arm, Rear - Lower Left - Platinum (inc. 7-8)	20	0404-113	2	Spring, Suspension - Platinum
7	0403-115	16	ø Bushing	21	0404-057	2	Cam, Spring Adjuster
8	0403-114	8	ø Collar	22	0404-150	2	Shock Absorber - Rear (inc. 23-25)
9	8428-002	14	Nut, Lock	23	0403-182	2	ø Bushing, Double-Bonded
10	8409-000	4	Screw, Cap	24	0603-955	4	ø Bushing, Shock Absorber
11	0504-476	1	A-Arm, Rear - Upper Right - Platinum (inc. 7-8)	25	1603-219	2	ø Sleeve, Shock Absorber
	0504-477	1	A-Arm, Rear - Upper Left - Platinum (inc. 7-8)	26	0423-087	2	Washer
12	0441-754	1	Guard, Boot - Right - Red	27	8408-820	2	Screw, Cap
	0441-755	1	Guard, Boot - Left - Red	28	8409-040	1	Screw, Cap - Right
	1441-004	1	Guard, Boot - Right - Green (Green)		8409-050	1	Screw, Cap - Left
	1441-005	1	Guard, Boot - Left - Green (Green)				
	0441-758	1	Guard, Boot - Right - Cat Green (Cat Green)				
	0441-759	1	Guard, Boot - Left - Cat Green (Cat Green)				



WHEEL AND TIRE ASSEMBLY

0743-260

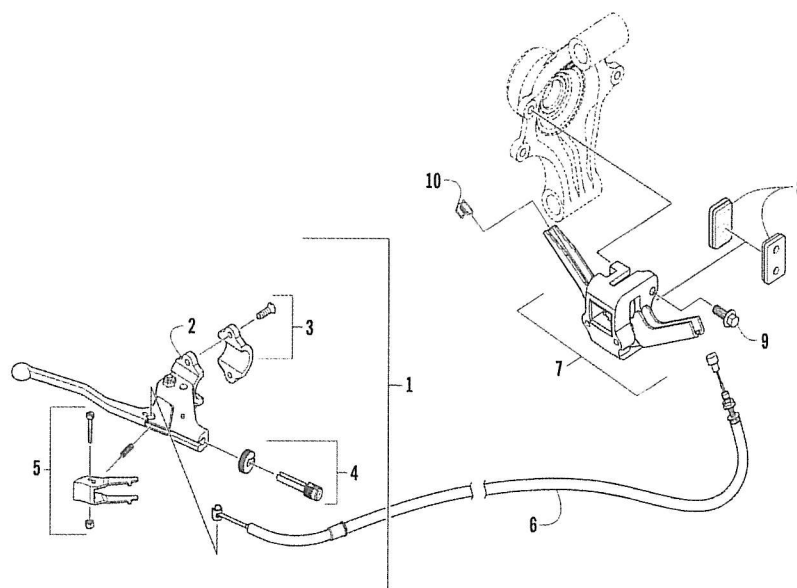
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-557	12	Screw, Shoulder w/Loctite	8	1402-127	2	Wheel - Front - Platinum
2	1436-164	3	Disc, Brake		1402-115	2	Wheel - Rear - Platinum
3	0502-599	2	Hub, Wheel - Front (inc. 4)	9	0423-408	16	Nut, Mounting - Wheel
4	0402-974	16	Ø Stud, Wheel Hub	10	1402-100	2	Tire - Front
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)		1402-137	2	Tire - Rear
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)	11	0402-064	4	Stem, Valve (inc. 12)
6	0423-607	4	Nut, Castle Flange	12	0402-140	4	Ø Cap, Valve Stem
7	0423-407	4	Pin, Cotter				



AUXILIARY BRAKE ASSEMBLY

0743-261

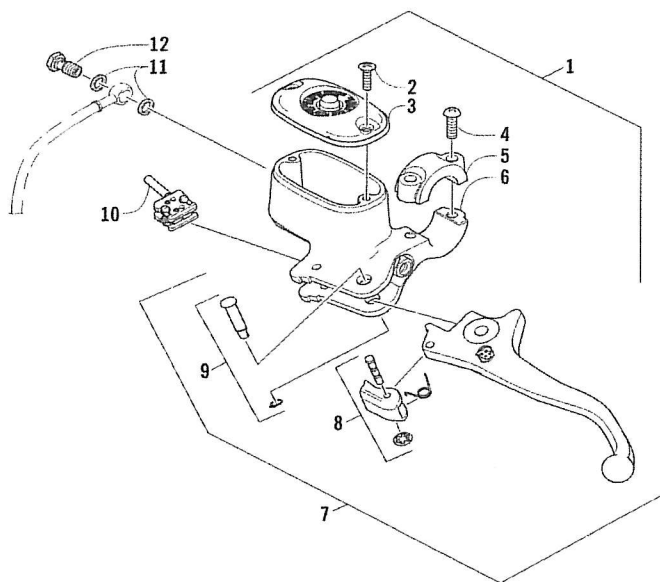
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-063	1	Lever, Brake	16	<u>1436-161</u>	1	ø Housing, Caliper - Assembly - Left Rear (inc. 17-19)
2	1602-213	2	O-Ring	17	0502-606	1	ø ø Piston/Seal Set (inc. 18)
3	8050-252	1	Washer	18	0502-607	1	ø ø ø Seal Set
4	8408-816	1	Screw, Cap	19	0502-609	1	ø ø Valve, Bleed
5	0502-807	1	Spring, Brake Lever	20	0502-608	1	ø O-Ring, Guide - Set
6	0502-785	1	Spring, Brake Switch	21	0502-605	1	ø Bracket Assembly
7	1502-147	1	Master Cylinder	22	<u>1436-165</u>	1	ø Pad, Brake - Set
8	1402-592	1	Hose, Brake	23	8408-821	2	ø Screw, Cap
9	0423-178	7	Washer, Crush	24	1502-179	1	Bracket, Switch
10	0423-413	2	Bolt, Banjo-Fitting	25	8408-625	2	Screw, Cap
11	0423-610	1	Bolt, Banjo-Fitting - Double	26	1402-377	1	Pin, Clevis
12	1402-593	1	Hose, Brake	27	0117-868	1	Pin, Cotter
13	1502-115	2	Clip, Brake Hose	28	8050-217	1	Washer
14	0123-788	AR	Cable Tie - 7.5 in.				
15	<u>1436-163</u>	1	Caliper, Brake (inc. 16-23)				



PARKING BRAKE ASSEMBLY

0743-214 *Not a Service Part

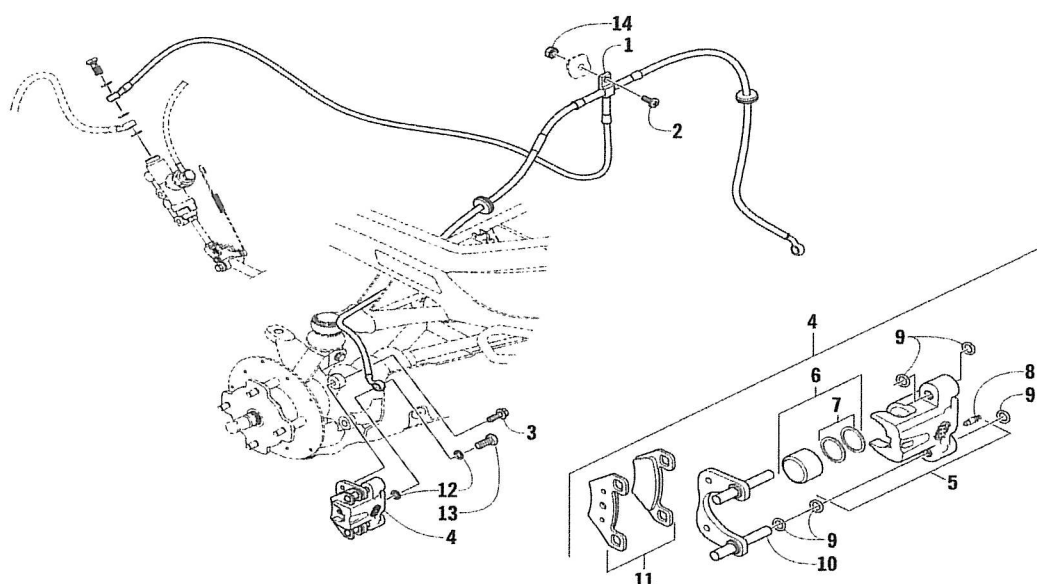
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-150	1	Lever, Parking Brake - Assembly (inc. 2-5)	6	0487-054	1	Cable, Brake - Rear
2	1502-429	1	ø Lever, Parking Brake - Kit	7	1502-176	1	Mechanical Brake Assembly
3	1502-432	1	ø Clamp, Handlebar - Kit	8	1402-602	2	Pad, Brake
4	1502-430	1	ø Adjuster, Thumb Nut - Kit	9	8408-826	2	Screw, Cap
5	1502-431	1	ø Lock, Parking Brake Lever - Kit	10	0402-379	1	Wire Form, Cable



HYDRAULIC HAND BRAKE ASSEMBLY

0741-458

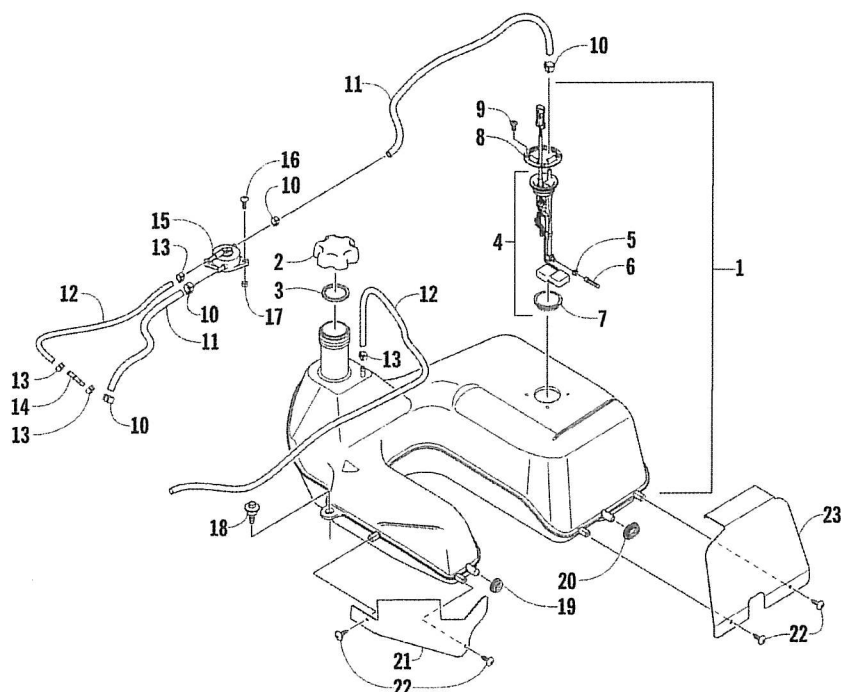
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-914	1	Brake Assembly (inc. 2-10)	7	0502-866	1	ø Lever Assembly - Kit (inc. 8-9)
2	0502-566	1	ø Screw, Reservoir Cover	8	0502-867	1	ø ø Lock, Brake Lever - Kit
3	0502-868	1	ø Cover, Reservoir	9	0502-580	1	ø ø Lever Pin - Kit
4	0502-568	1	ø Screw, Master Cylinder Clamp	10	0502-564	1	ø Switch, Brake
5	0502-869	1	ø Clamp, Master Cylinder	11	0423-178	2	Washer, Crush
6	0502-704	1	ø Master Cylinder Assembly	12	0423-413	1	Bolt, Banjo-Fitting



HYDRAULIC BRAKE ASSEMBLY

0743-262

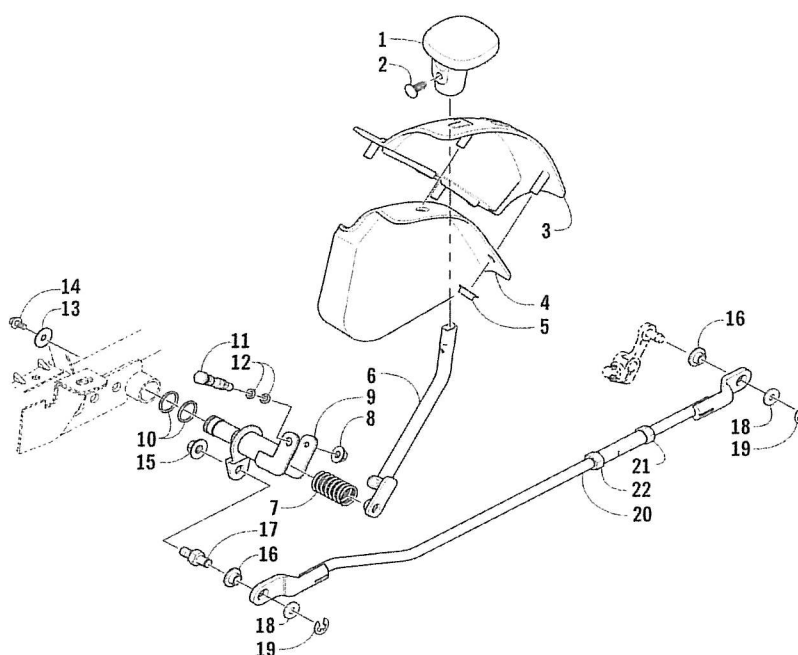
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-148	1	Hose, Brake - Assembly	6	0502-606	2	ø ø Piston/Seal Set (inc. 7)
2	8476-625	1	Screw, Cap	7	0502-607	2	ø ø ø Seal Set
3	8408-821	4	Screw, Cap	8	0502-609	2	ø ø Valve, Bleed
4	1436-162	1	Caliper, Brake - Right Front (inc. 5-11 and two No. 3)	9	0502-608	2	ø O-Ring, Guide - Set
	1436-163	1	Caliper, Brake - Left Front (inc. 5-11 and two No. 3)	10	0502-605	2	ø Bracket Assembly
5	1436-160	1	ø Housing, Caliper - Assembly - Right Front (inc. 6-8)	11	1436-165	2	ø Pad, Brake - Set
	1436-161	1	ø Housing, Caliper - Assembly - Left Front (inc. 6-8)	12	0423-178	4	Washer, Crush
				13	0423-413	2	Bolt, Banjo-Fitting
				14	0623-038	1	Nut, Hex



GAS TANK ASSEMBLY

0743-263

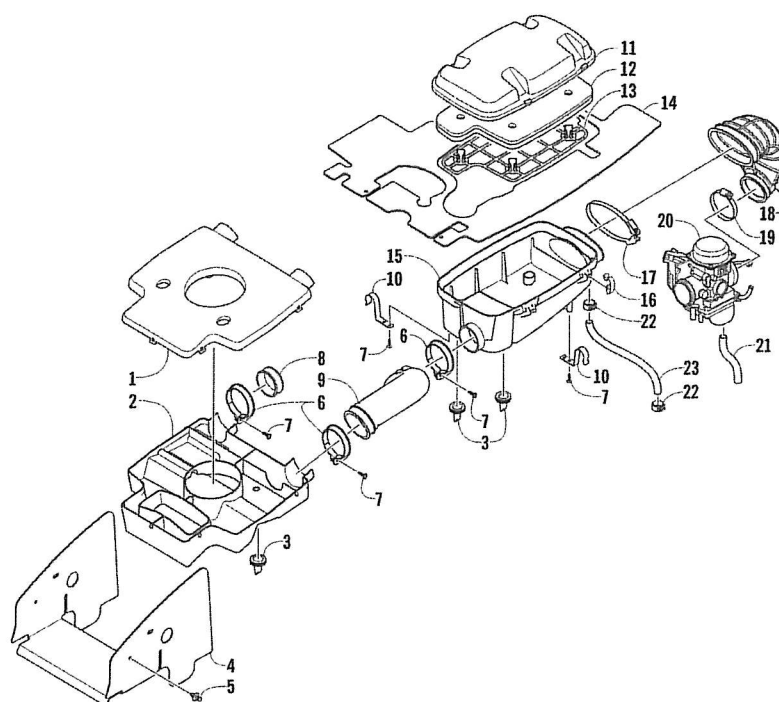
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0570-201</u>	1	Tank, Gas - Assembly (inc. 2-9)	13	0423-689	4	Clamp, Hose
2	0470-438	1	ø Cap, Gas Tank (inc. 3)	14	0470-702	1	Fitting, Straight
3	0109-733	1	ø ø Gasket, Gas Tank Cap	15	<u>0470-758</u>	1	Pump, Fuel
4	0570-141	1	ø Sensor, Fuel Level (inc. 5-7)	16	8476-620	2	Screw, Machine
5	0423-603	1	ø ø Clamp, Hose	17	0623-038	2	Nut, Lock
6	0470-475	1	ø ø Filter, Fuel	18	0423-732	2	Screw, Gas Tank
7	0470-521	1	ø ø Seal, Fuel Level Sensor	19	0423-460	1	Grommet
8	0470-639	1	ø Plate, Mounting - Fuel Level Sensor	20	<u>0423-806</u>	1	Grommet
9	1623-158	4	ø Screw, Plastite	21	<u>0470-709</u>	1	Shield, Gas Tank - Front
10	0423-688	4	Clamp, Hose	22	0623-797	4	Screw, Self-Tapping
11	0410-143	AR	Hose, Gasline - 25 ft	23	<u>0470-710</u>	1	Shield, Gas Tank - Rear
12	0410-070	AR	Hose, Gasline - 25 ft				



SHIFT LEVER ASSEMBLY

0742-508

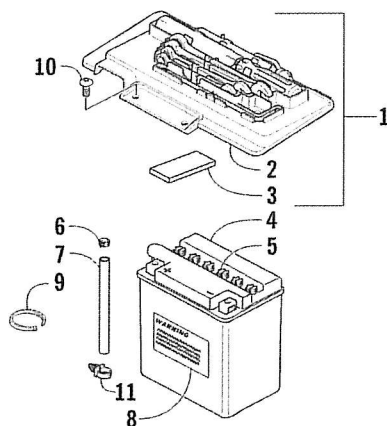
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-843	1	Knob, Shift	12	0423-182	2	O-Ring
2	0423-345	1	Clip, Push	13	0423-087	1	Washer
3	1402-576	1	Plate, Shift	14	8408-812	1	Screw, Cap
4	2406-345	1	Shield, Shift Plate	15	8424-802	1	Nut, Hex
5	0423-357	4	Nut, Stamped	16	0423-091	2	Bushing, Shift Linkage
6	0502-659	1	Lever, Shift	17	1402-621	1	Pin, Mounting - Shift Linkage
7	0402-678	1	Spring, Shift Lever	18	0623-094	2	Washer
8	8424-602	1	Nut	19	0423-169	2	E-Ring
9	0502-742	1	Axle, Shift Lever	20	1502-200	1	Linkage, Shift - Assembly (inc. 21-22)
10	0423-299	2	O-Ring	21	0623-294	1	ø Nut, Hex - Right-Hand Thread
11	0402-675	1	Axle, Pivot	22	0123-917	1	ø Nut, Hex - Left-Hand Thread



AIR INTAKE ASSEMBLY

0743-213

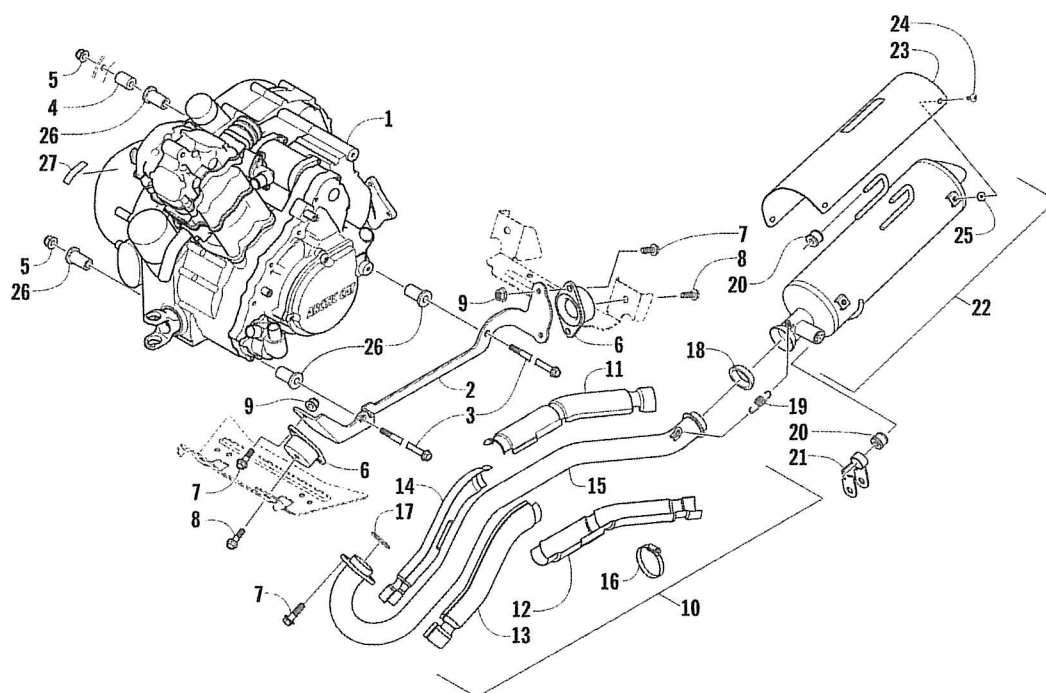
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-091	1	Diverter, Air - Top	13	0470-516	1	Screen, Air Filter
2	0413-093	1	Diverter, Air - Bottom	14	2406-009	1	Panel, Shield
3	0470-442	2	Valve, Drain	15	0470-515	1	Housing, Air Intake
4	1406-973	1	Shroud, Splash	16	0423-455	4	Clip, Spring
5	0623-362	2	Rivet, Reinstallable	17	0423-554	1	Clamp, Boot
6	0423-551	3	Clamp	18	0470-511	1	Boot, Carburetor
7	0423-342	7	Screw, Self-Tapping	19	0423-019	1	Clamp, Boot
8	0413-096	1	Cap, Air Intake - Diverter	20	0470-823	1	Carburetor, CVK40-AE
9	0470-529	1	Boot, Air Intake	21	0510-592	1	Hose, Carburetor Drain
10	0423-454	2	Clip, Mounting - Air Intake	22	1623-281	2	Clamp, Hose
11	0470-755	1	Cover, Air Intake	23	0410-079	1	Hose, Vent - Crankcase
12	0470-663	1	Filter, Air				



BATTERY ASSEMBLY

0742-917 *Not Illustrated

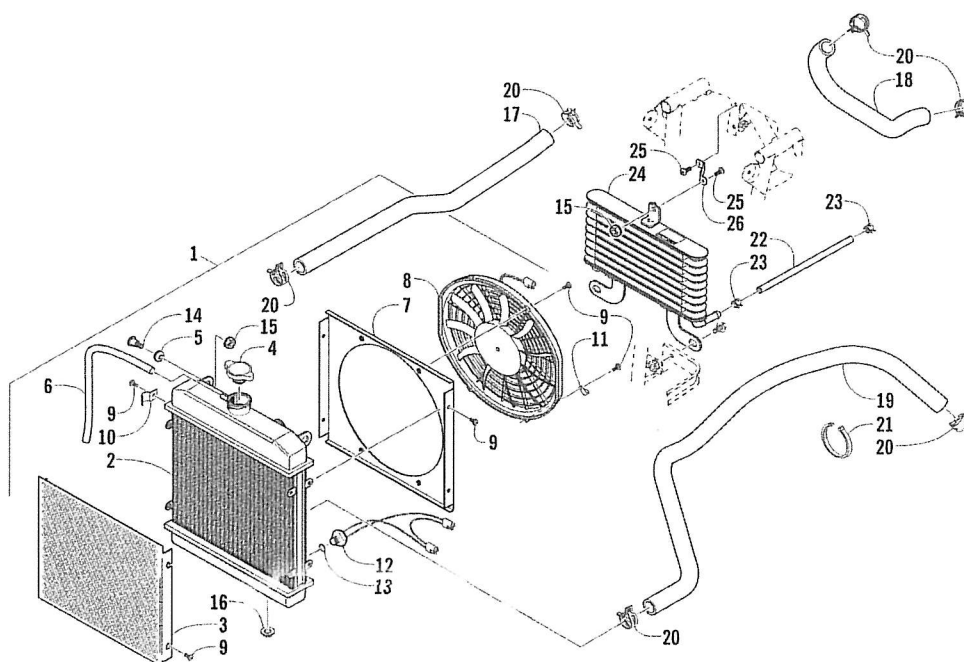
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>5991-395</u>	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	6	0645-152	1	Ø Clamp, Hose
2	<u>2406-815</u>	1	Ø Cover, Battery	7	0645-263	1	Ø Hose, Battery Vent
3	0406-288	2	Ø Pad, Battery	8	0645-151	1	Ø Label, Warning - Battery
*	0444-122	1	Ø Kit, Tool	9	0123-903	4	Cable Tie - 11.5 in.
4	0745-045	1	Battery Assembly (inc. 5-8)	10	8476-616	2	Screw, Machine
5	0645-045	6	Ø Cap, Battery	11	0623-101	1	Routing Clip, Snap-In



ENGINE AND EXHAUST

0743-220

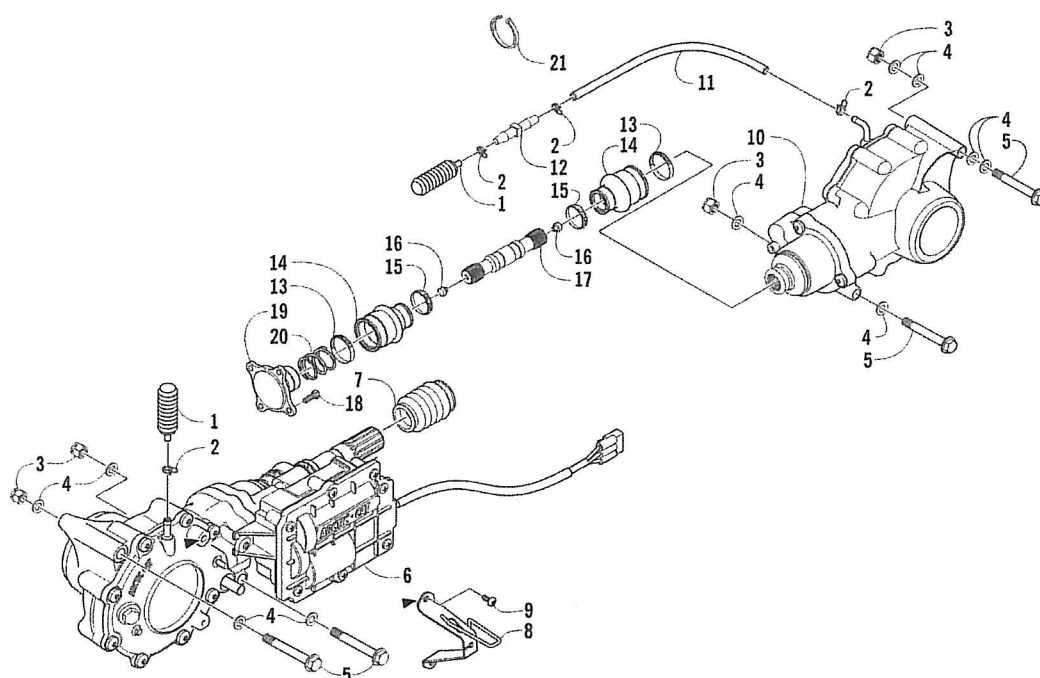
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0800-053	1	Engine, A650IH1	14	0412-348	1	ø Shield, Exhaust Pipe - Outer - Front
2	1506-740	1	Bracket, Engine - Right	15	0512-344	1	ø Pipe, Exhaust
	1506-741	1	Bracket, Engine - Left	16	0423-317	3	ø Hose Clamp
3	0423-405	2	Screw, Cap	17	0412-338	1	Gasket, Exhaust Pipe
4	0423-042	1	Spacer, Engine	18	0412-375	1	Seal, Exhaust
5	8428-002	2	Nut, Lock	19	0612-668	2	Spring, Extension
6	2406-065	4	Mount, Rubber - Engine	20	0412-215	3	Bushing, Exhaust Pipe
7	8408-820	10	Screw, Cap	21	1506-732	1	Channel, Muffler Support
8	8408-012	4	Screw, Cap	22	0512-430	1	Muffler - Assembly (inc. 23-25)
9	8432-802	8	Nut	23	8477-610	3	ø Screw, Cap
10	0512-345	1	Pipe, Exhaust - Assembly (inc. 11-16)	24	0412-489	1	ø Cover, Muffler
11	0412-350	1	ø Shield, Exhaust Pipe - Outer - Rear	25	0412-490	3	ø Washer
12	0412-339	1	ø Shield, Exhaust Pipe - Inner - Rear	26	0801-108	4	Bushing, Engine Mount
13	0412-349	1	ø Shield, Exhaust Pipe - Inner - Front	27	0411-426	1	Decal, Warning - Clutch Cover



COOLING ASSEMBLY

0742-415

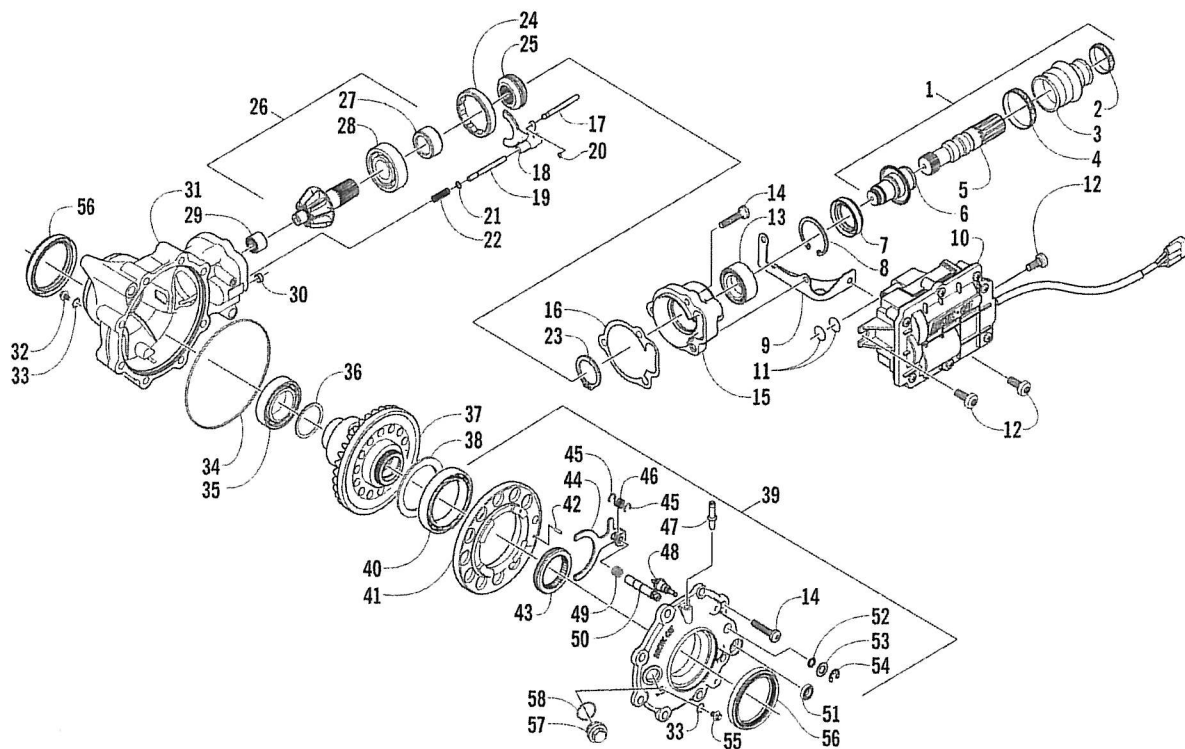
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-172	1	Radiator Assembly (inc. 2-13)	14	0423-484	2	Screw, Shoulder
2	0413-184	1	ø Radiator	15	0623-038	2	Nut w/Washer
3	0413-007	1	ø Screen, Radiator	16	0423-028	2	Bushing, Stem
4	0413-002	1	ø Cap, Radiator	17	0410-002	1	Hose, Coolant - Upper
5	0423-030	2	ø Grommet	18	0410-022	1	Hose, Coolant - Crossover
6	0610-016	AR	ø Hose - 25 ft	19	0410-041	1	Hose, Coolant - Lower
7	0413-046	1	ø Shroud, Fan	20	0423-496	6	Clamp, Hose
8	0413-123	1	ø Fan, Cooling	21	0123-788	2	Cable Tie
9	8475-512	12	ø Screw, Machine	22	0410-127	2	Hose, Oil Cooler
10	0423-351	1	ø Clamp, Wire	23	0423-632	6	Clamp, Hose
11	0123-397	1	ø Clamp, Cable	24	0413-163	1	Cooler, Oil
12	0413-168	1	ø Sensor, Temperature - Coolant	25	8476-612	2	Screw, Machine
13	0423-390	1	ø O-Ring	26	0513-022	1	Bracket, Mounting - Upper - Oil Cooler



DRIVE TRAIN ASSEMBLY

0742-520

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-147	2	Bladder, Gearcase	12	0470-462	1	Fitting, Vent
2	0423-315	4	Clamp, Fitting	13	0423-393	2	Clamp, Boot
3	8428-002	4	Nut, Lock	14	0402-985	2	Boot
4	0423-426	10	Washer	15	0423-411	2	Clamp, Boot
5	0423-404	4	Screw, Cap	16	0673-618	2	Bumper, Propeller Shaft
6	1502-248	1	Gearcase, Front	17	1402-233	1	Shaft, Propeller
7	0402-966	1	Boot, Shaft	18	8408-820	4	Screw, Cap
8	0502-500	1	Plate, Cable	19	0402-950	1	Flange, Output
9	0423-396	2	Screw, Self-Tapping	20	1402-026	1	Spring
10	1502-079	1	Gearcase, Rear	21	0123-788	AR	Cable Tie
11	0410-048	AR	Hose, Vent				

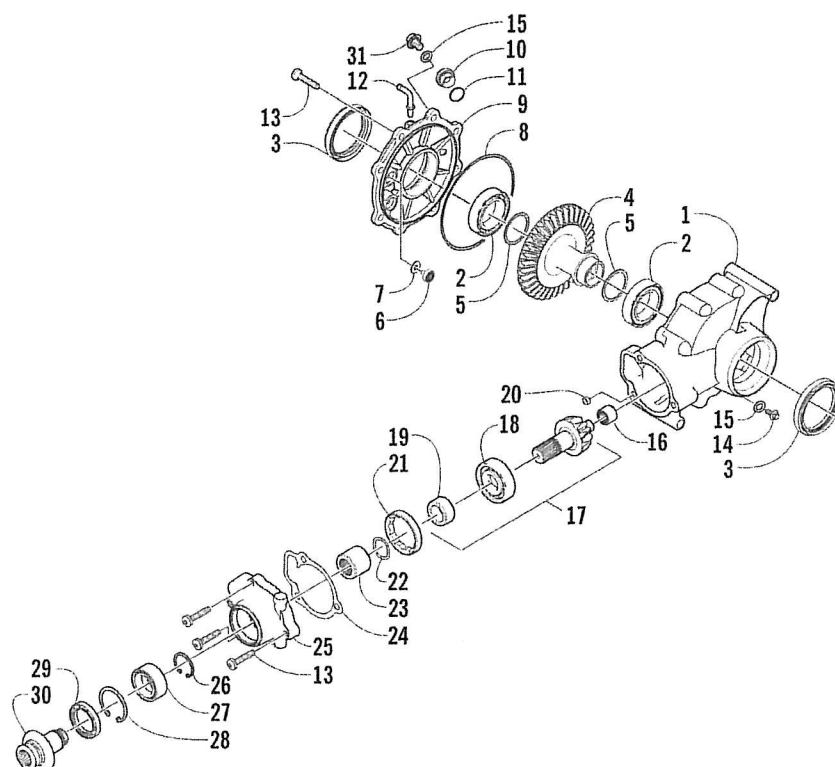


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-248)

0742-344

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-083	1	Shaft, Propeller - Assembly (inc. 2-6)	35	0402-393	1	Bearing
2	0423-411	1	Ø Clamp, Boot	36	0402-405	AR	Shim
3	0402-985	1	Ø Boot, Propeller Shaft		0402-406	AR	Shim
4	0423-393	1	Ø Clamp, Boot		0402-407	AR	Shim
5	1402-045	1	Ø Shaft, Output		0402-408	AR	Shim
6	1502-085	1	Ø Shaft, Input		0402-409	AR	Shim
7	1402-011	1	Seal	37	1502-234	1	Gear, Ring - 36T
8	0423-423	1	Ring, Retaining	38	1402-074	AR	Shim
9	0502-347	1	Bracket, Actuator		1402-075	AR	Shim
10	0502-579	1	Actuator (inc. one No. 11)		1402-076	AR	Shim
11	0423-498	2	Ø O-Ring		1402-077	AR	Shim
12	0423-396	3	Screw, Self-Tapping		1402-078	AR	Shim
13	1402-043	1	Bearing	39	1502-097	1	Cover, Gearcase (inc. one No. 33, 40-55, and one No. 56)
14	0423-118	11	Screw, Self-Tapping	40	1402-053	1	Ø Bearing
15	0502-528	1	Housing, Pinion	41	0502-413	1	Ø Flange, Bearing
16	0402-947	1	Gasket, Flange	42	1402-079	1	Ø Pin, Parallel
17	0402-997	1	Shaft, Selector	43	1402-042	1	Ø Collar, Sliding
18	0402-998	1	Fork, Selector	44	1402-054	1	Ø Fork
19	0402-417	1	Shaft, Shuttle	45	1402-058	2	Ø Ring, Retaining
20	0423-402	1	Ring, Retaining	46	1402-057	1	Ø Spring
21	0423-147	1	O-Ring	47	1402-104	1	Ø Fitting
22	0402-999	1	Spring, Return	48	0402-419	1	Ø Switch, Indicator
23	0423-417	1	Ring, Retaining	49	1402-063	1	Ø Spring
24	0402-357	1	Collar, Lock	50	1402-055	1	Ø Shaft, Lock
25	0402-413	1	Coupler, Drive	51	1402-056	1	Ø Seal
26	0502-783	1	Gear, Pinion - Assembly - 10T (inc. 27-28)	52	0423-133	1	Ø O-Ring
27	0402-336	1	Ø Collar, Retaining	53	0423-132	1	Ø Washer
28	0402-327	1	Ø Bearing	54	0423-424	1	Ø Ring, Retaining
29	0402-328	1	Bearing	55	1402-211	1	Ø Plug, Oil Level (inc. one No. 33)
30	0402-411	1	Pin, Dowel	56	1402-441	2	Ø Seal
31	0502-514	1	Housing, Gearcase	57	0402-333	1	Plug, Fill (inc. 58)
32	1402-210	1	Plug, Magnetic (inc. one No. 33)	58	0423-154	1	Ø O-Ring
33	0423-153	2	Ø O-Ring				
34	0423-149	1	O-Ring				

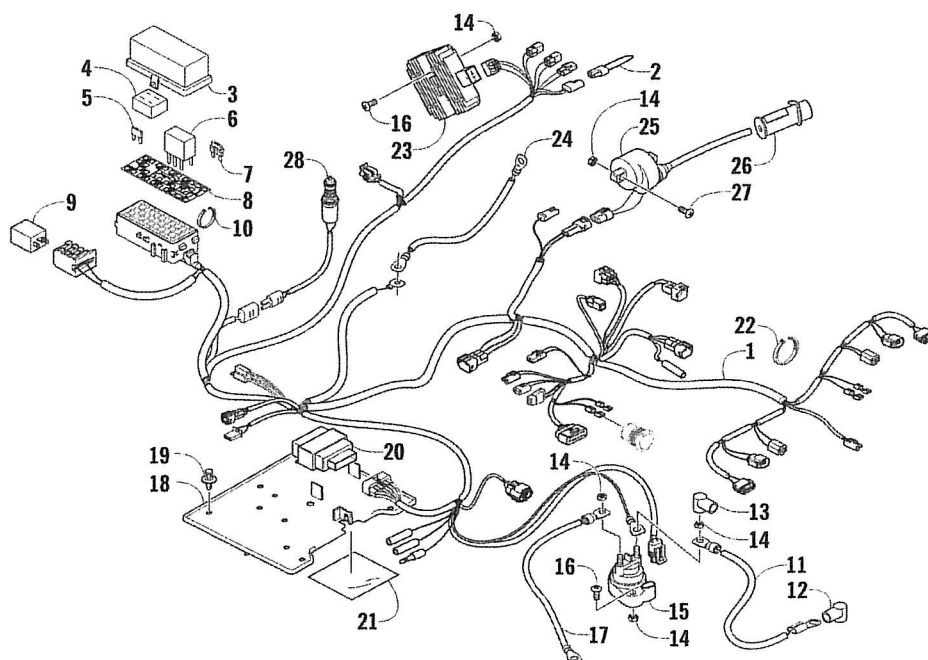


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-079)

0741-524

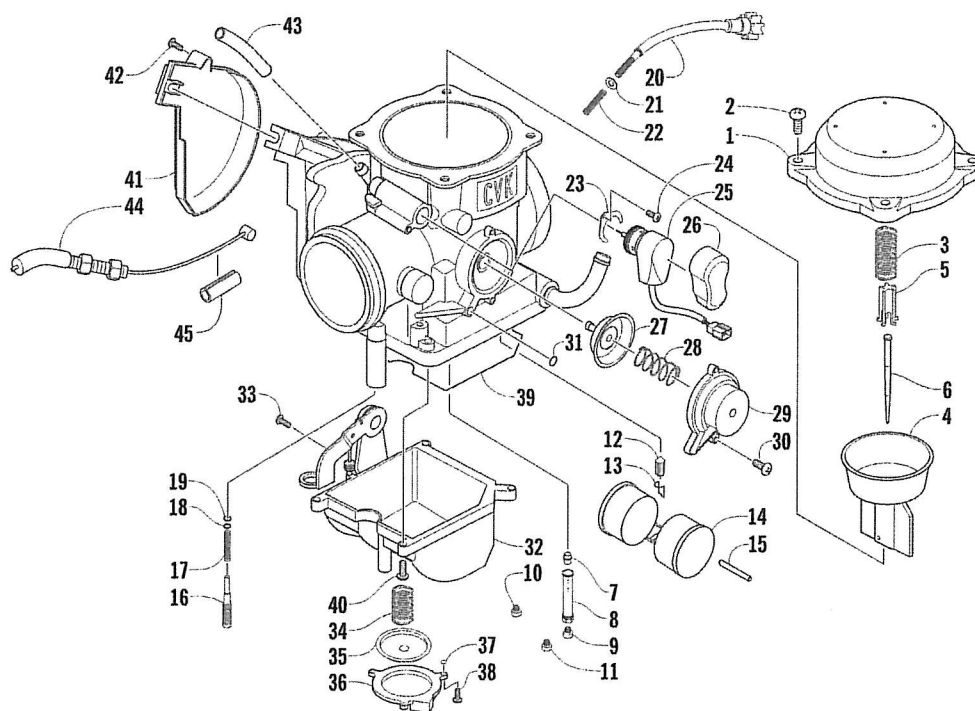
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-622	1	Housing, Gearcase	13	0423-118	11	Screw, Self-Tapping
2	0402-393	2	Bearing	14	0402-450	1	Plug, Magnetic (inc. one No. 15)
3	1402-441	2	Seal	15	0423-153	2	Ø O-Ring
4	1402-032	1	Gear, Ring - 36T	16	0402-328	1	Bearing
5	0402-405	AR	Shim	17	0502-783	1	Gear, Pinion - Assembly - 10T (inc. 18-19)
	0402-406	AR	Shim	18	0402-327	1	Ø Bearing
	0402-407	AR	Shim	19	0402-336	1	Ø Collar, Retaining
	0402-408	AR	Shim	20	0402-411	1	Pin, Dowel
	0402-409	AR	Shim	21	0402-331	1	Collar, Lock
6	0402-326	1	Button, Thrust	22	0402-982	1	Washer, Wave
7	0402-429	AR	Shim	23	0402-981	1	Collar, Shaft
	0402-430	AR	Shim	24	0402-947	1	Gasket, Flange
	0402-431	AR	Shim	25	0502-529	1	Housing, Pinion
	0402-432	AR	Shim	26	0423-417	1	Ring, Retaining
	0402-433	AR	Shim	27	1402-043	1	Bearing
8	0423-149	1	O-Ring	28	0423-423	1	Ring, Retaining
9	1502-082	1	Cover, Gearcase	29	1402-011	1	Seal
10	0402-333	1	Plug, Fill (inc. 11)	30	1502-085	1	Shaft, Input
11	0423-154	1	Ø O-Ring	31	1402-211	1	Plug, Oil Level (inc. one No. 15)
12	1402-102	1	Fitting				



WIRING HARNESS ASSEMBLY

0743-227

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-287</u>	1	Harness, Main (inc. 2-9)	14	0623-038	8	Nut w/Washer
2	0486-164	1	Ø Tether, Accessory Connector	15	0445-058	1	Solenoid
3	0530-008	1	Ø Cover, Fuse Block	16	8476-625	4	Screw, Machine
4	0430-037	1	Ø Holder, Fuse	17	<u>AC003-278</u>	1	Cable, Battery/Solenoid
5	0430-034	1	Ø Diode	18	1406-787	1	Tray, Electrical
6	0430-033	2	Ø Relay (5-Pin) - 20 Amp	19	0623-362	4	Rivet, Reinstallable
	0430-045	2	Ø Relay (4-Pin) - 20 Amp	20	0824-038	1	CDI Unit
7	0430-032	4	Ø Fuse - 10 Amp	21	0412-291	1	Shield, Heat
	0430-031	3	Ø Fuse - 15 Amp	22	0123-903	AR	Cable Tie - 11.5 in.
	0430-030	2	Ø Fuse - 30 Amp	23	0824-037	1	Regulator, Voltage
8	<u>1411-672</u>	1	Ø Decal, Fuse Block	24	<u>AC003-279</u>	1	Cable, Battery/Ground
9	0430-049	1	Ø Flasher (3-Pin)	25	0824-036	1	Coil, Ignition - Assembly
10	0123-788	AR	Cable Tie - 7.5 in.	26	0824-049	1	Cap, Spark Plug
11	0445-064	1	Cable, Solenoid/Starter (inc. 12)	27	8476-620	2	Screw, Machine
12	0645-019	1	Ø Boot, Terminal	28	<u>0409-089</u>	1	Switch, Brake - Assembly
13	0645-327	1	Boot, Terminal				

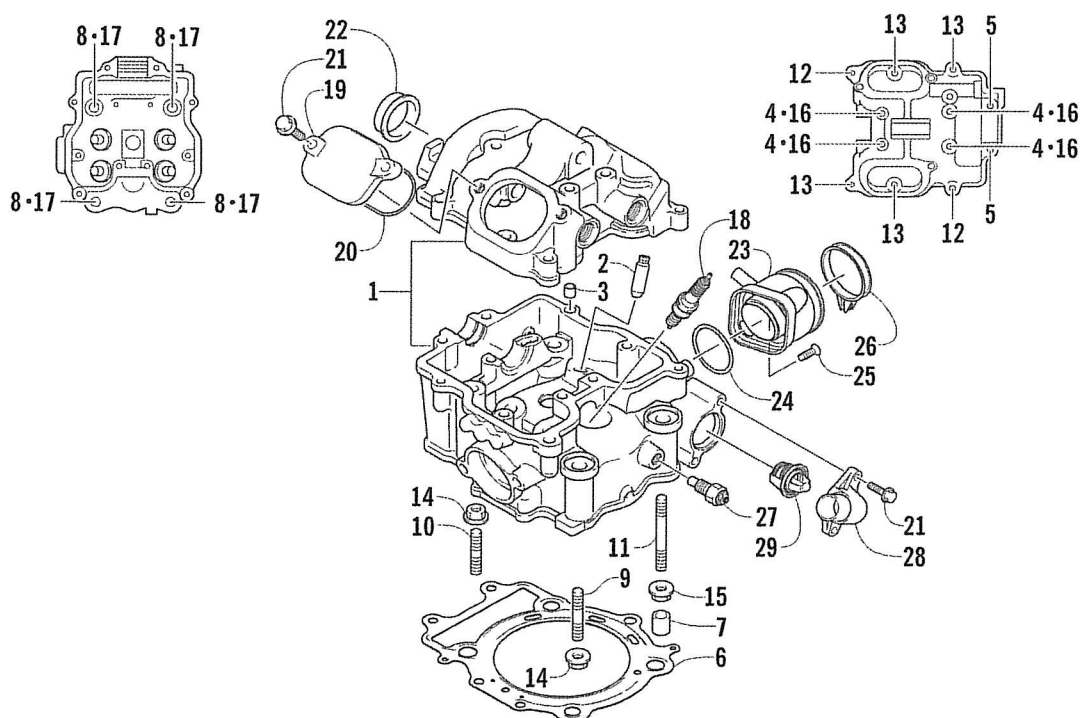


CARBURETOR

CVK40-AE (Complete Assembly p/n 0470-823)

0743-210 *Not a Service Part **Optional

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-186	1	Cover, Top	21	5507-028	1	Washer
2	5507-187	4	Screw, Top Cover	22	5507-029	1	Spring
3	5507-188	1	Spring	23	5507-115	1	Plate
4	5507-189	1	Piston, Vacuum	24	5507-117	1	Screw
5	5507-190	1	Seat, Spring	25	5507-196	1	Choke, Electric
6	5507-122	1	Jet Needle	26	5507-114	1	Cover, Electric Choke
7	5507-192	1	Needle Jet	27	5507-116	1	Diaphragm Assembly
8	5507-193	1	Holder, Needle Jet	28	5507-104	1	Spring
9	5507-185	1	Main Jet - 122	29	5507-105	1	Cover
	5507-241	1	Main Jet - 118**	30	5507-106	2	Screw
	5507-125	1	Main Jet - 120**	31	5507-102	1	U-Ring
	5507-218	1	Main Jet - 125**	32	5507-214	1	Chamber, Float - Assembly (inc. 33-39)
	5507-219	1	Main Jet - 128**	33	5507-050	1	Ø Screw, Drain
	5507-074	1	Main Jet - 130**	34	5507-211	1	Ø Spring
10	5507-069	1	Slow Jet - 35	35	5507-197	1	Ø Diaphragm Assembly - Pump Housing
11	5507-112	1	Starter Jet - 85	36	5507-198	1	Ø Housing, Pump
12	5507-183	1	Valve, Float - Set (inc. 13)	37	5507-034	1	Ø U-Ring
13	*	1	Ø Clip	38	5507-035	3	Ø Screw
14	5507-039	1	Float Set (inc. 15)	39	5507-067	1	Ø O-Ring, Float Chamber
15	*	1	Ø Pin, Float	40	5507-017	4	Screw
16	5507-213	1	Screw, Pilot - Set (inc. 17-19)	41	5507-036	1	Cover
17	*	1	Ø Spring	42	5507-037	1	Screw
18	*	1	Ø Washer	43	0410-056	1	Hose, Vent
19	*	1	Ø O-Ring	44	0487-021	1	Cable, Throttle
20	5507-027	1	Screw, Idle Adjust	45	0470-694	1	Limiter, Throttle

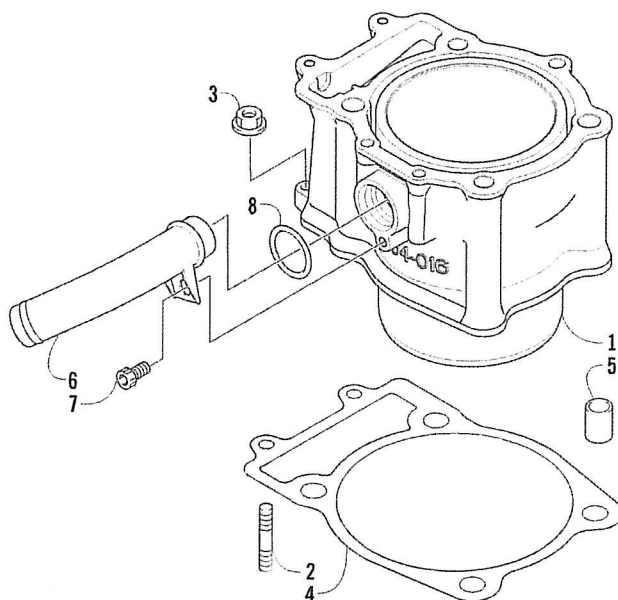


CYLINDER HEAD ASSEMBLY

0742-522 **Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0808-047	1	Head, Cylinder - Assembly (inc. 2-4)*	18	0217-799	1	Spark Plug (CPR8E)
2	**	4	Ø Guide, Valve	19	0808-003	2	Cap, Inspection
3	0829-001	2	Ø Dowel, Sleeve	20	0830-167	2	O-Ring
4	0826-001	4	Ø Screw, Cap	21	0826-007	4	Screw, Cap
5	0826-002	2	Screw, Cap	22	0808-077	1	Plug, Cylinder Head
6	0830-085	1	Gasket, Cylinder Head	23	0570-101	1	Pipe, Intake - Assembly
7	0829-002	2	Pin, Dowel	24	0830-090	1	O-Ring
8	0808-037	4	Screw, Cap	25	0826-008	2	Screw, Machine
9	0827-030	2	Bolt, Stud	26	0423-317	1	Clamp, Intercooler
10	0827-002	2	Bolt, Stud	27	0808-127	1	Switch, Coolant Temperature - Assembly
11	0827-031	1	Bolt, Stud	28	0808-008	1	Cover, Thermostat
12	0826-005	2	Screw, Cap	29	0808-078	1	Thermostat
13	0826-006	4	Screw, Cap				
14	8424-604	4	Nut				
15	8424-804	1	Nut				
16	0830-107	4	Gasket - Seal, Fastener				
17	0830-147	4	Washer, Crush				

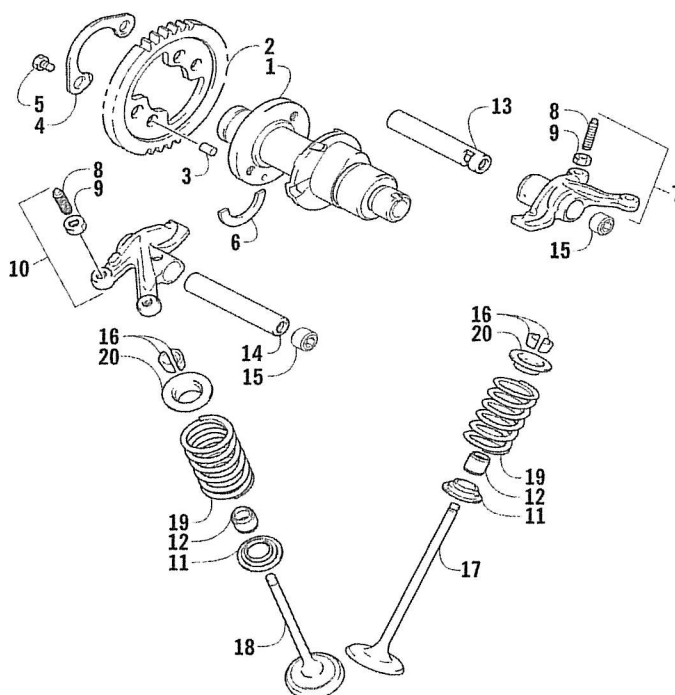
* Cylinder Head Assembly (p/n 0808-047) includes valve train components. Refer to Camshaft/Valve Assembly for complete parts listing.



CYLINDER ASSEMBLY

0739-929

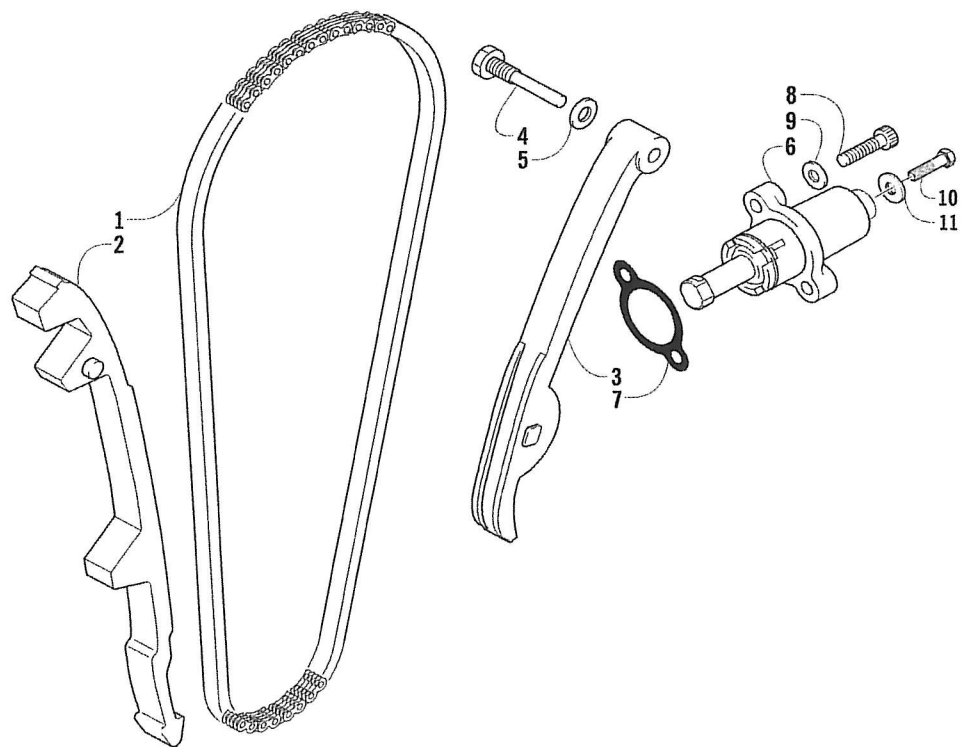
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0804-016	1	Cylinder	5	0829-002	2	Pin, Dowel
2	0827-002	2	Bolt, Stud	6	0804-002	1	Union, Water Hose
3	8424-604	2	Nut	7	8468-612	1	Screw, Machine
4	0830-084	1	Gasket, Base	8	0830-007	1	O-Ring



CAMSHAFT/VALVE ASSEMBLY

0739-942 *Included in Cylinder Head Assembly (p/n 0808-047)

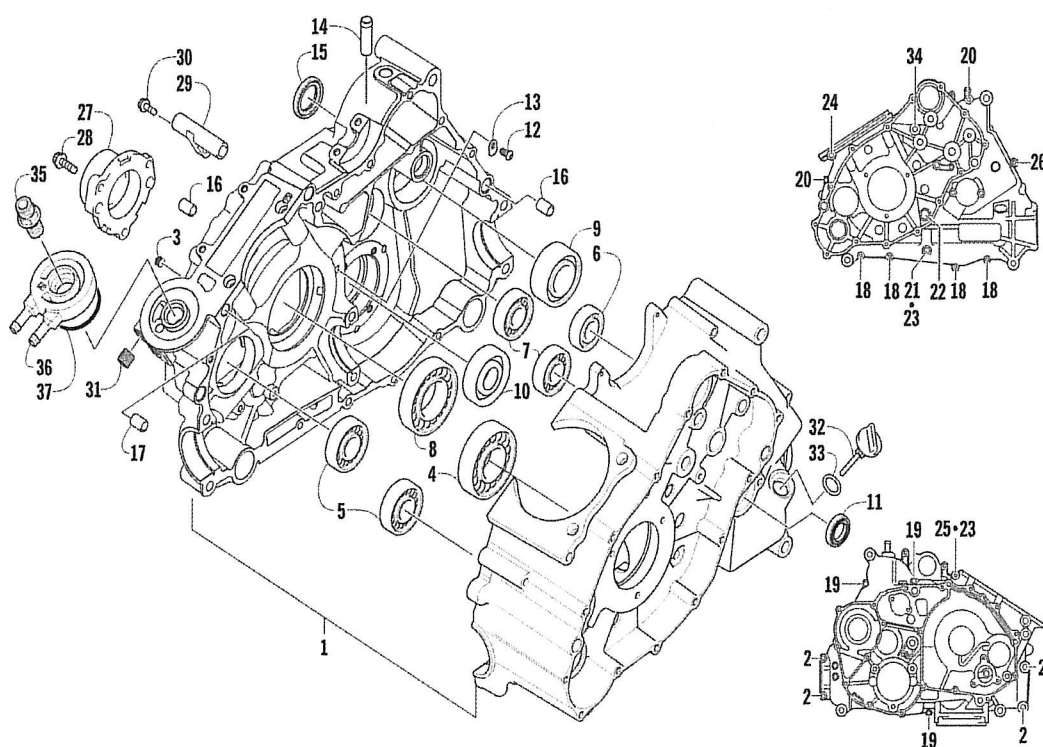
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0809-200	1	Camshaft	11	0809-006	4	Seat, Spring - Valve*
2	0809-002	1	Sprocket	12	0830-016	4	Seal, Oil*
3	0829-008	1	Pin	13	0809-007	1	Shaft, Rocker Arm - Intake*
4	0828-004	1	Washer	14	0809-008	1	Shaft, Rocker Arm - Exhaust*
5	0826-034	2	Bolt	15	0831-066	2	Plug, Shaft*
6	0809-003	1	C-Ring	16	0809-014	8	Keeper, Valve*
7	0809-202	1	Arm, Valve Rocker - Intake (inc. two No. 8-9)*	17	0809-039	2	Valve, Intake*
8	0809-033	4	ø Screw*	18	0809-040	2	Valve, Exhaust*
9	0827-007	4	ø Nut*	19	0809-138	4	Spring, Valve*
10	0809-205	1	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)*	20	0809-013	4	Retainer, Spring*



CAM CHAIN ASSEMBLY

0732-308

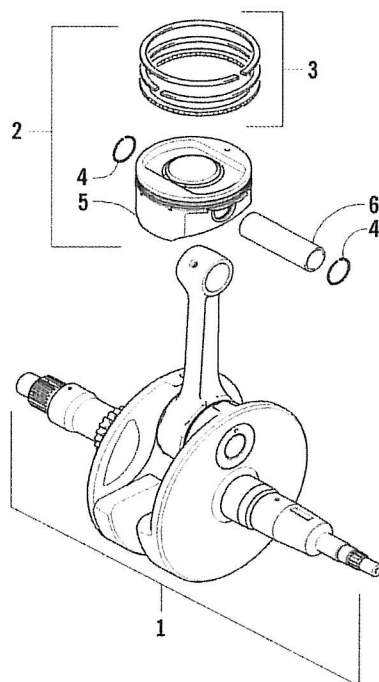
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0810-001	1	Chain, Cam	7	0830-018	1	Gasket
2	0810-002	1	Guide, Chain	8	8468-625	2	Screw, Machine
3	0810-003	1	Tensioner, Chain	9	0830-107	2	Gasket
4	0826-036	1	Bolt	10	8400-610	1	Screw, Cap
5	0830-025	1	Washer	11	8428-110	1	Washer
6	0810-004	1	Adjuster, Tensioner - Assembly				



CRANKCASE ASSEMBLY

0743-264

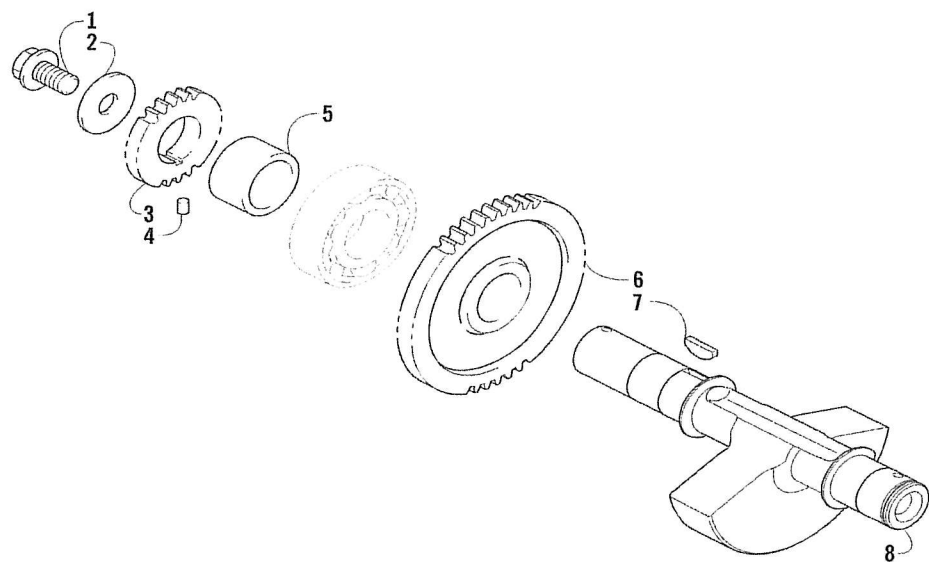
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0801-096	1	Crankcase Assembly (inc. 2-15)	20	8468-675	2	Screw, Machine
2	8412-850	4	Ø Screw, Cap	21	8412-860	1	Screw, Cap
3	0801-002	1	Ø Plug	22	0826-017	1	Screw, Cap
4	0832-043	1	Ø Bearing	23	0830-008	2	Gasket
5	0832-044	2	Ø Bearing	24	0826-019	1	Screw, Cap
6	0832-049	1	Ø Bearing	25	0826-018	1	Screw, Cap
7	0832-050	2	Ø Bearing	26	8468-695	1	Screw, Machine
8	0832-042	1	Ø Bearing	27	0801-006	1	Housing, Secondary Shaft Bearing
9	0832-048	1	Ø Bearing - Driveshaft	28	0826-105	3	Bolt
10	0832-015	1	Ø Bearing	29	0801-069	1	Pipe, Breather
11	0822-052	1	Ø Seal, Countershaft	30	0826-038	1	Bolt, Breather Pipe
12	0826-100	4	Ø Screw, Cap	31	0812-064	2	Plug
13	0822-010	4	Ø Retainer, Bearing	32	0801-073	1	Stick, Oil Level
14	0801-028	1	Ø Pipe, Breather	33	0830-010	1	O-Ring, Oil Level Stick
15	0830-035	1	Ø Seal, Driveshaft	34	8468-680	1	Screw, Machine
16	0829-002	5	Pin, Dowel	35	0812-056	1	Stand
17	0829-003	1	Pin, Dowel	36	0812-055	1	Tower
18	8468-645	4	Screw, Machine	37	0830-166	1	O-Ring
19	8468-655	3	Screw, Machine				



CRANKSHAFT ASSEMBLY

0739-932

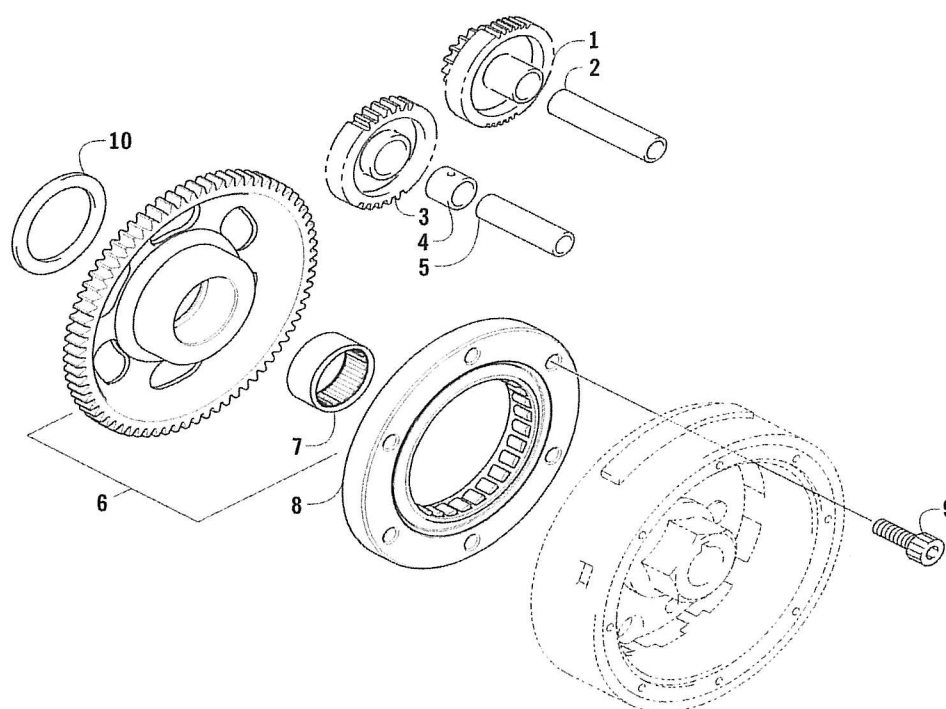
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0805-032	1	Crankshaft Assembly	4	0831-001	2	ø Circlip, Piston Pin
2	0805-035	1	Piston Set (inc. 3-6)	5	0805-010	1	ø Piston
3	0805-011	1	ø Ring, Piston - Set	6	0805-012	1	ø Pin, Piston



CRANK BALANCER ASSEMBLY

0739-941

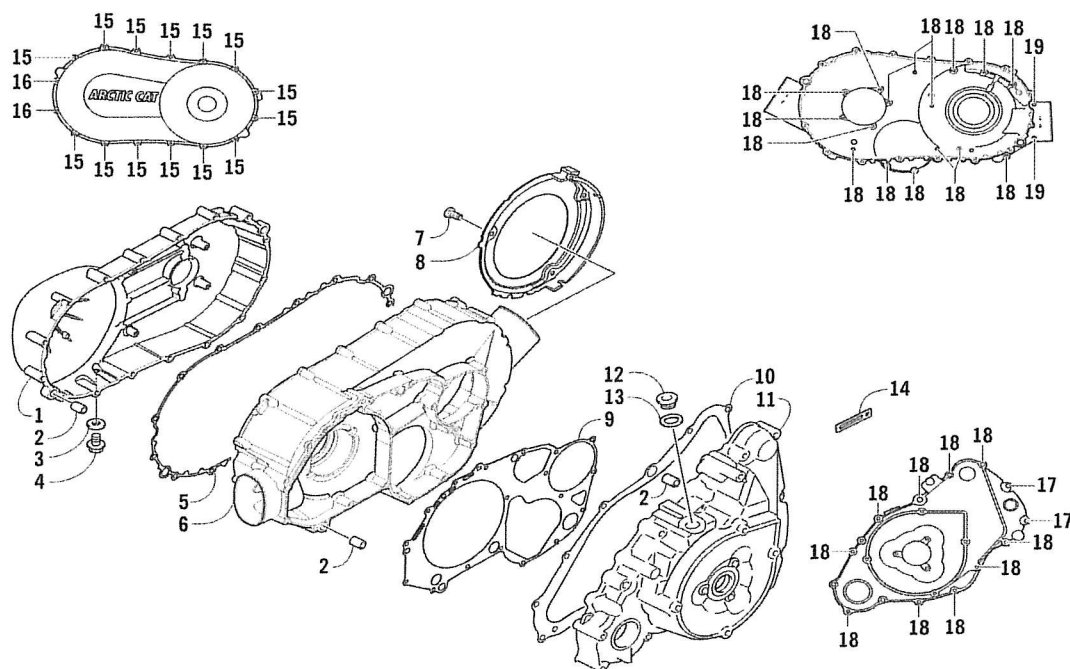
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0826-033	1	Screw, Cap	5	0811-004	1	Spacer
2	0828-003	1	Washer	6	0811-002	1	Gear, Driven
3	0811-003	1	Gear, Oil Pump Drive	7	0829-006	1	Key
4	0829-007	1	Pin, Dowel - Solid	8	0811-017	1	Balancer, Crank



STARTER CLUTCH ASSEMBLY

0739-940

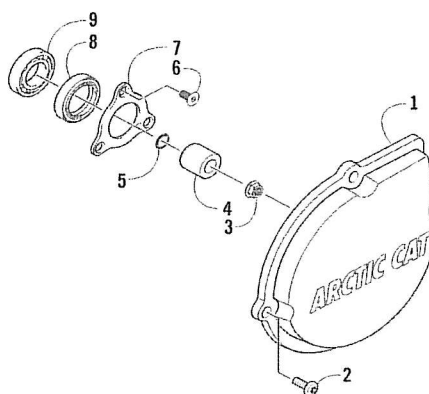
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0815-001	1	Gear, Starter Idler - No. 1	6	0815-004	1	Gear, Starter Clutch (inc. 7)
2	0829-031	1	Shaft, Starter Gear	7	0832-004	1	ø Bearing
3	0815-002	1	Gear, Starter Idler - No. 2	8	0802-035	1	Clutch, Starter
4	0815-003	1	Spacer, Starter Idler Gear No. 2	9	0826-069	6	Screw, Torx Socket Head
5	0829-032	1	Shaft, Starter Gear	10	0828-094	1	Washer



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0742-528

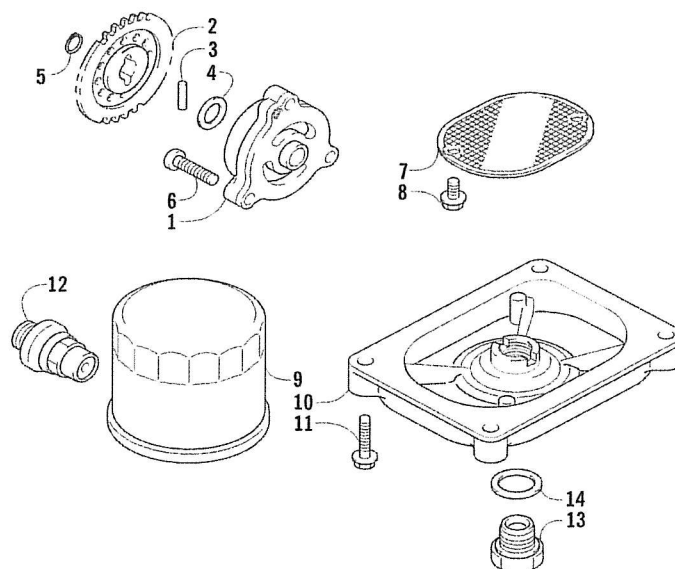
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0806-088	1	Cover, V-Belt	11	0806-082	1	Cover, Magneto - Assembly
2	0829-002	4	Pin, Dowel	12	0806-022	1	Plug
3	0830-013	1	Washer, Crush	13	0830-015	1	Washer, Crush
4	8408-812	1	Screw, Cap	14	3002-964	1	Clamp, Wire
5	0830-174	1	Gasket, V-Belt Cover	15	8468-645	14	Screw, Machine
6	0806-091	1	Cover, Clutch	16	8468-655	2	Screw, Machine
7	0826-029	3	Screw	17	8468-625	2	Screw, Machine
8	0806-048	1	Plate, Air Intake	18	8468-640	26	Screw, Machine
9	0830-116	1	Gasket, Clutch Cover	19	8468-675	2	Screw, Machine
10	0830-128	1	Gasket, Magneto Cover				



OUTER MAGNETO COVER ASSEMBLY

0742-516

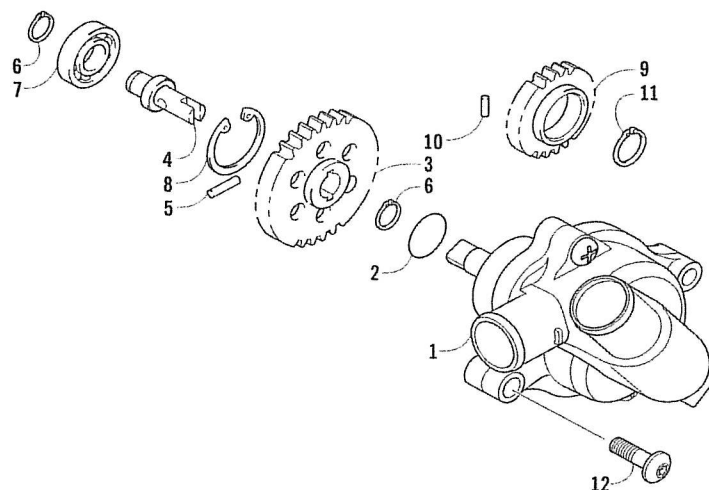
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0820-062	1	Cover, Magneto - Outer	6	0826-031	3	Screw
2	0826-008	4	Screw, Machine	7	0805-008	1	Retainer, Oil Seal
3	0827-008	1	Nut	8	0830-158	1	Seal, Oil
4	0820-061	1	Bushing	9	0832-045	1	Bearing
5	0830-108	1	O-Ring				



OIL FILTER/PUMP ASSEMBLY

0741-719

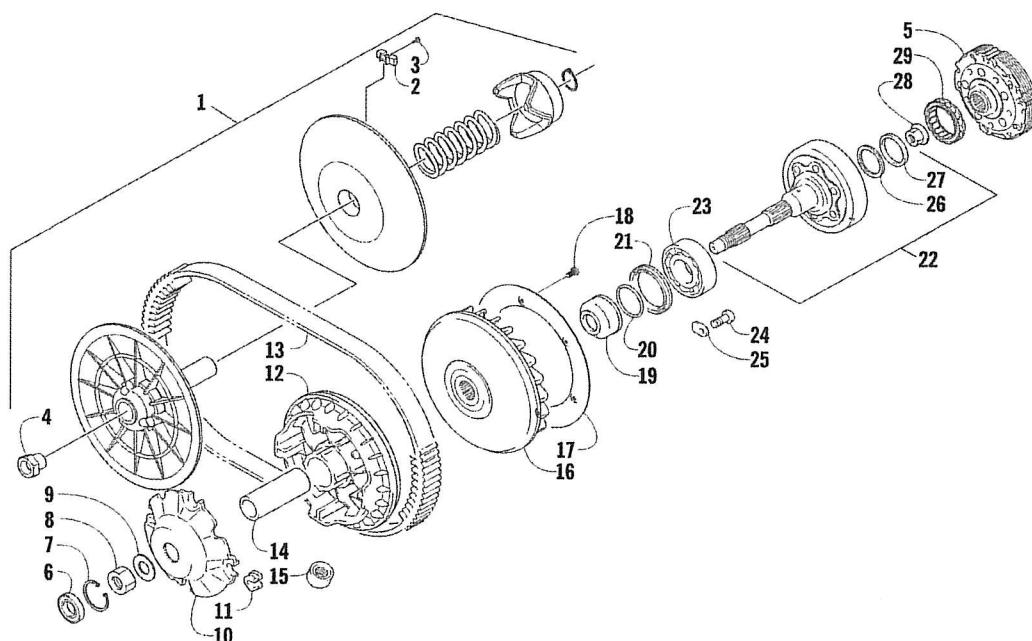
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0812-023	1	Pump, Oil	8	0826-040	2	Screw, Machine
2	0812-002	1	Gear, Driven	9	0812-029	1	Filter, Oil
3	0829-009	1	Pin	10	0812-053	1	Cap, Oil Strainer
4	0828-007	1	Shim	11	8468-625	4	Screw, Machine
5	0831-002	1	Circlip	12	0812-007	1	Valve, Oil-Relief - Assembly
6	0826-039	3	Screw, Cap	13	0812-006	1	Plug, Drain
7	<u>0812-057</u>	1	Strainer, Oil	14	0830-017	1	Gasket, Drain Plug



WATER PUMP ASSEMBLY

0739-945

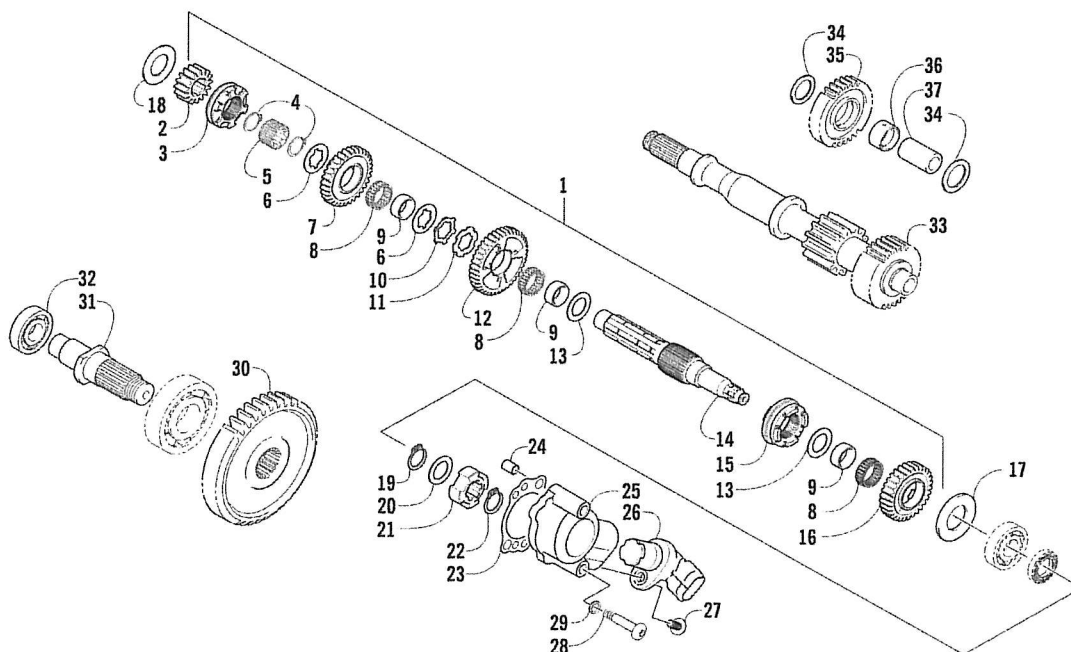
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0813-001	1	Pump, Water - Assembly	7	0832-046	1	Bearing, Shaft
2	0830-029	1	O-Ring	8	0831-004	1	Circlip, Shaft Bearing
3	0813-004	1	Gear, Driven	9	0811-003	1	Gear, Water Pump Drive
4	0813-005	1	Shaft, Driven Gear	10	0829-007	1	Pin, Drive Gear
5	0829-009	1	Pin, Driven Gear	11	0831-005	1	Circlip, Drive Gear
6	0831-002	2	Circlip, Driven Gear	12	8468-665	2	Screw, Machine



TRANSMISSION ASSEMBLY

0742-517

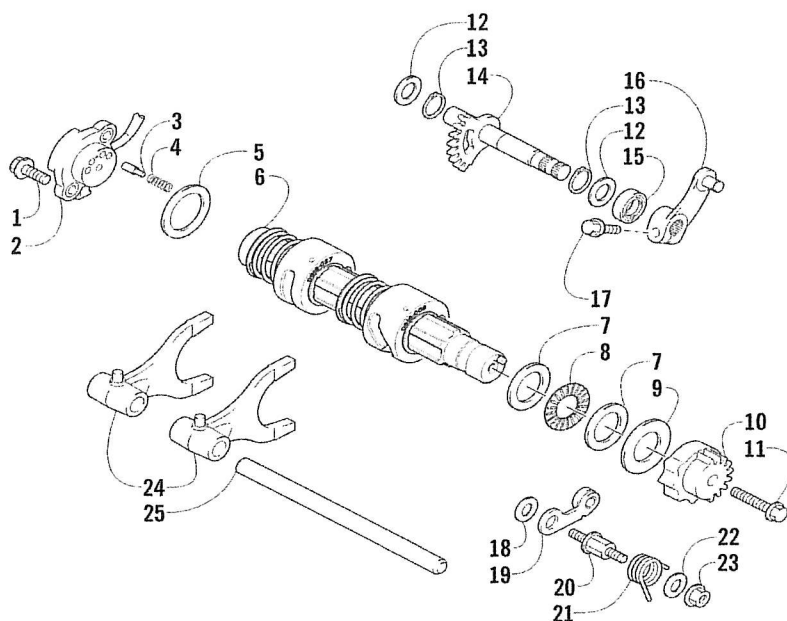
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0823-157	1	Pulley, Driven - Assembly (inc. 2-4)	16	0823-156	1	Face, Fixed Drive
2	0823-176	3	ø Shoe, Cam	17	0823-131	1	Shroud, Drive Face
3	0823-177	3	ø Screw, Cam	18	0623-914	6	Screw, Self-Tapping
4	0823-178	1	ø Nut, Driven Pulley	19	0823-015	1	Spacer, Fixed Drive Face
5	0823-098	1	Clutch, Centrifugal - 6 Plate	20	0470-531	1	O-Ring
6	0832-060	1	Bearing	21	0830-034	1	Seal, Clutch Housing - Right
7	0831-078	1	Ring, Retaining	22	0823-096	1	Housing, Clutch - Assembly (inc. 26-27)
8	0827-010	1	Nut	23	0832-047	1	Bearing
9	0828-106	1	Washer	24	0826-029	2	Screw, Bearing Retainer
10	0823-008	1	Plate, Movable Drive Face	25	0822-084	2	Retainer, Bearing
11	0823-010	4	Damper, Movable Drive Face	26	0828-075	1	Shim
12	0823-159	1	Face, Movable Drive	27	0823-017	1	Seal, Clutch Housing - Left
13	0823-013	1	V-Belt	28	0827-011	1	Nut
14	0823-149	1	Spacer, Movable Drive Face	29	0823-018	1	Clutch, One-Way
15	0823-167	8	Roller, Movable Drive Face				



SECONDARY TRANSMISSION ASSEMBLY

0739-954

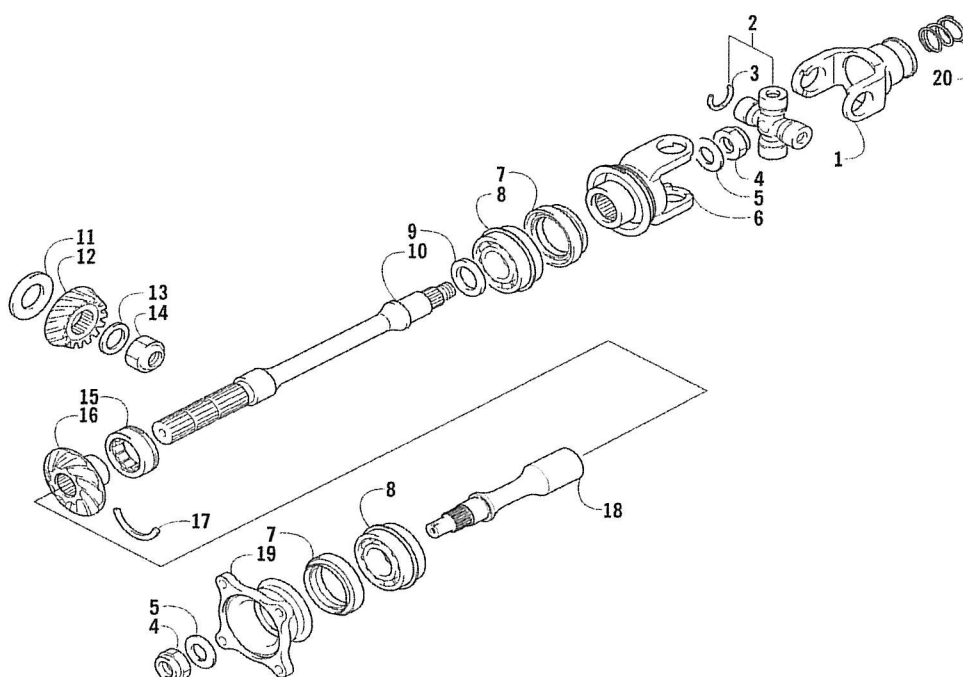
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0822-048	1	Countershaft Assembly (inc. 2-16)	20	0828-069	1	Washer, Thrust
2	0822-008	1	ø Gear, Drive	21	0822-050	1	Trigger, Speedometer Sensor
3	0822-014	1	ø Dog, Reverse Driven Gear	22	0831-039	1	Ring, Retaining
4	0831-011	2	ø Circlip	23	0830-129	1	Gasket
5	0822-045	1	ø Spacer, Reverse Driven Gear	24	0829-023	2	Pin, Dowel
6	0828-008	2	ø Washer	25	0822-049	1	Housing, Speedometer Sensor
7	0822-013	1	ø Gear, Reverse Driven	26	0824-042	1	Sensor, Speedometer
8	0832-011	3	ø Bearing	27	8468-620	1	Screw, Machine
9	0822-005	3	ø Bushing	28	8468-645	2	Screw, Machine
10	0828-014	1	ø Washer, Lock	29	0830-107	2	Seal, Fastener
11	0828-015	1	ø Washer, Lock	30	0822-009	1	Gear, Driven
12	0822-004	1	ø Gear, Driven - Low	31	0822-067	1	Shaft, Output
13	0822-046	2	ø Washer, Driven Gear	32	0832-014	1	Bearing
14	0822-003	1	ø Countershaft	33	0822-001	1	Driveshaft
15	0822-007	1	ø Dog, Sliding	34	0828-016	2	Washer, Reverse Idle Gear
16	0822-006	1	ø Gear, Driven - High	35	0822-011	1	Gear, Reverse Idle
17	0828-011	1	Washer, Drive Gear	36	0822-012	1	Bushing, Reverse Idle Gear
18	0828-010	1	Washer, Drive Gear	37	0822-015	1	Shaft, Reverse Idle
19	0831-040	1	Ring, Retaining				



GEAR SHIFTING ASSEMBLY

0739-957

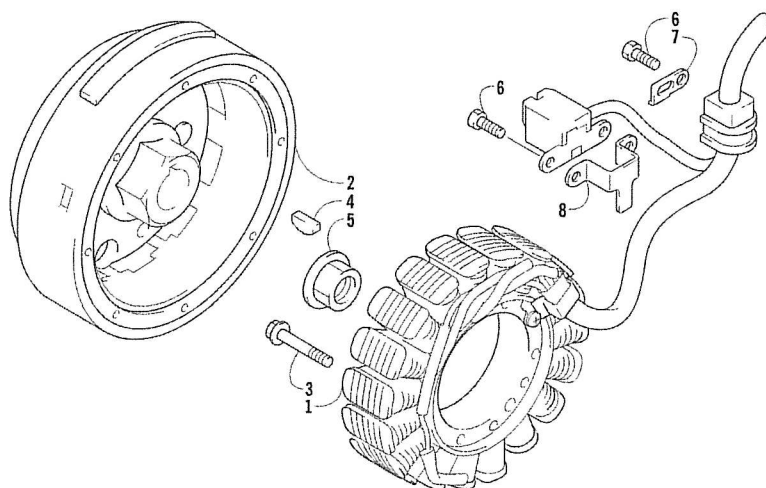
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8470-520	2	Screw, Machine	14	0818-007	1	Shaft, Sub-Gear Shift
2	0409-090	1	Switch, Gear Shift Position	15	0830-044	1	Seal, Sub-Gear Shift Shaft
3	0818-013	2	Contact	16	0818-014	1	Arm, Shift
4	0818-017	2	Spring	17	8468-620	1	Screw, Machine
5	0828-040	1	Washer, Shift Shaft	18	0828-038	1	Washer, Cam Stopper
6	0818-046	1	Shaft, Gear Shift - Assembly	19	0818-002	1	Stopper, Cam
7	0828-095	2	Washer, Thrust Bearing	20	0818-004	1	Support, Cam Stopper
8	0832-052	1	Bearing, Thrust - Roller	21	0818-028	1	Spring, Cam Stopper
9	0828-037	1	Washer, Gear Shift Cam Plate	22	0828-035	1	Washer, Cam Stopper Spring
10	0818-005	1	Plate, Gear Shift Cam	23	8424-602	1	Nut, Cam Stopper Spring
11	0826-006	1	Bolt, Gear Shift Cam Plate	24	0818-072	2	Fork, Shift
12	0828-036	2	Washer, Sub-Gear Shift Shaft	25	0818-006	1	Shaft, Shift Fork
13	0831-010	2	Circlip, Sub-Gear Shift Shaft				



SECONDARY DRIVE ASSEMBLY

0742-594

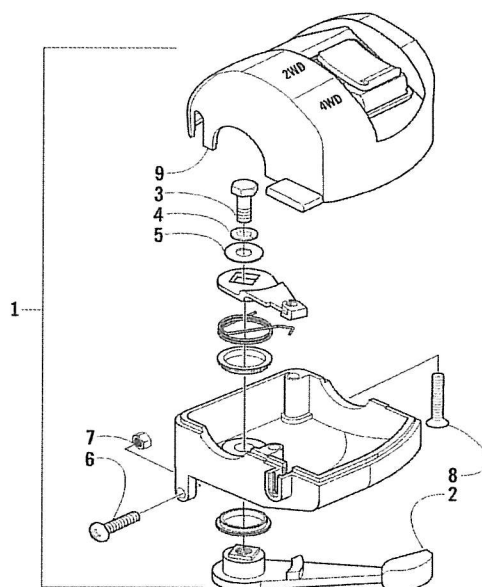
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0819-063	1	Yoke, Propeller Shaft Joint	11	0828-030	AR	Shim, 24 x 48 x 0.25 mm
2	1402-463	1	Joint, Universal - Set (inc. 3)		0828-031	AR	Shim, 24 x 48 x 0.30 mm
3	0423-450	4	Ø Circlip		0828-032	AR	Shim, 24 x 48 x 0.35 mm
4	0827-013	2	Nut, Rear Output Joint		0828-033	AR	Shim, 24 x 48 x 0.90 mm
5	0828-020	2	Washer, Rear Output Flange		0828-018	AR	Shim, 24 x 48 x 0.95 mm
6	0819-061	1	Yoke, Drive Output - Front		0828-062	AR	Shim, 24 x 48 x 1.00 mm
7	0830-043	2	Seal, Oil - Driven Shaft		0828-063	AR	Shim, 24 x 48 x 1.05 mm
8	0832-017	2	Bearing, Driven Shaft		0828-064	AR	Shim, 24 x 48 x 1.10 mm
9	0828-021	AR	Shim, 25 x 34 x 0.25 mm		0828-065	AR	Shim, 24 x 48 x 1.15 mm
	0828-022	AR	Shim, 25 x 34 x 0.30 mm	12	0819-001	1	Gear, Secondary Drive
	0828-023	AR	Shim, 25 x 34 x 0.70 mm	13	0828-019	1	Washer
	0828-024	AR	Shim, 25 x 34 x 0.90 mm	14	0827-012	1	Nut
	0828-025	AR	Shim, 25 x 34 x 0.95 mm	15	0832-016	1	Bearing, Driven Gear
	0828-026	AR	Shim, 25 x 34 x 1.00 mm	16	0819-002	1	Gear, Secondary Driven
	0828-027	AR	Shim, 25 x 34 x 1.05 mm	17	0819-011	1	Ring, Driven Bearing
	0828-028	AR	Shim, 25 x 34 x 1.10 mm	18	0819-053	1	Shaft, Secondary Driven - Rear
	0828-029	AR	Shim, 25 x 34 x 1.15 mm	19	0819-005	1	Flange, Output Joint - Rear
10	0819-003	1	Shaft, Secondary Driven - Front	20	1402-026	1	Spring



MAGNETO ASSEMBLY

0737-780

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0802-037	1	Stator - Assembly	5	0827-014	1	Nut
2	0802-036	1	Rotor/Flywheel	6	8470-510	3	Screw, Machine
3	0826-102	3	Screw, Machine	7	0802-015	1	Clamp - No. 1
4	0829-012	1	Key	8	0802-016	1	Clamp - No. 2



THROTTLE CASE ASSEMBLY

0738-414

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-012	1	Case, Throttle - Assembly (inc. 2-9)	6	3423-014	1	ø Screw
2	3409-001	1	ø Lever	7	3423-327	1	ø Nut
3	3004-533	1	ø Screw, Cap	8	3423-199	2	ø Screw
4	3004-447	1	ø Washer, Lock	9	0409-048	1	ø Cover, Throttle Case w/Switch
5	3003-030	1	ø Washer				