



ARCTIC CAT®

www.ace.ag

PROWLER

STREET LEGAL



2007

frame number: *VADC634A070X10038* - *VADC634A070X10199*

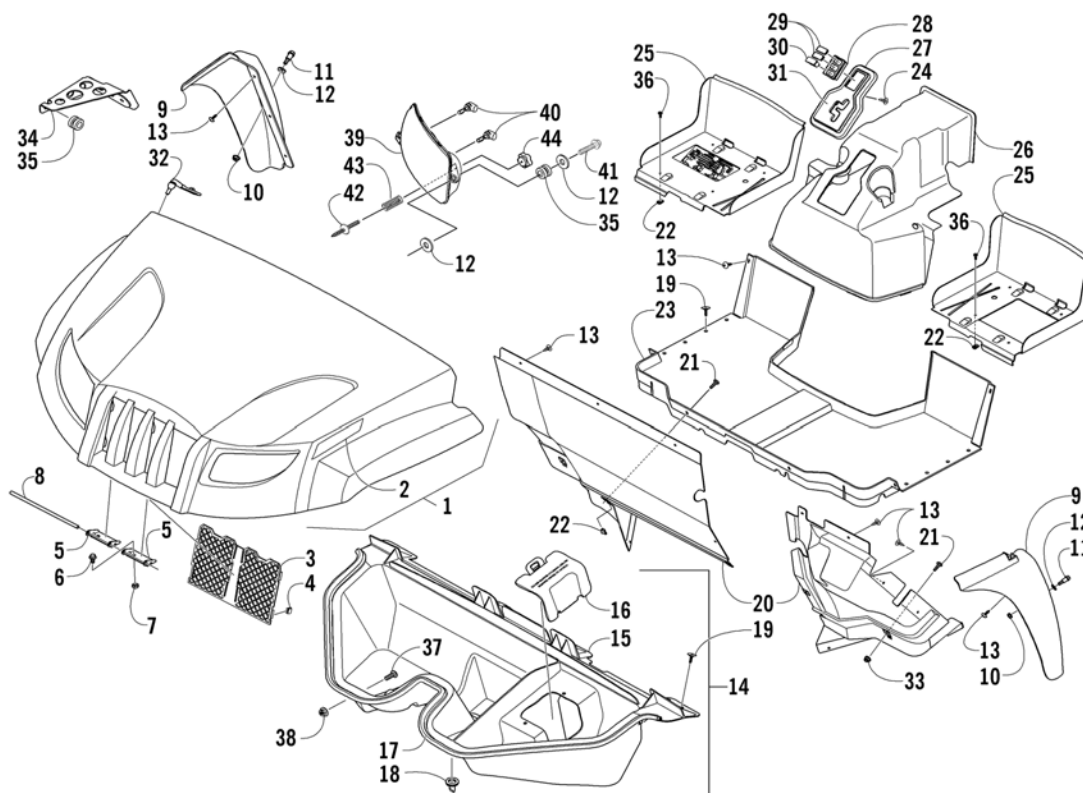
Illustrated Parts Manual

TABLE OF CONTENTS

2007 Prowler

FRONT BODY PANEL ASSEMBLY	1
REAR BODY PANEL AND CARGO BOX ASSEMBLY	2
TAILGATE ASSEMBLY	3
DECALS	4
DECALS (M4 Camo)	5
FRAME AND RELATED PARTS	6
CANOPY AND TAILLIGHT ASSEMBLY	7
TILT FRAME ASSEMBLY	8
SEAT, BATTERY, AND TOOL KIT ASSEMBLY	9
DASH ASSEMBLY	10
STEERING POST ASSEMBLY	11
FRONT SUSPENSION ASSEMBLY	12
REAR SUSPENSION ASSEMBLY	13
SWAY BAR ASSEMBLY	14
WHEEL AND TIRE ASSEMBLY	15
WHEEL AND TIRE ASSEMBLY (M4 Camo)	16
REAR AND PARKING BRAKE ASSEMBLY	17
HYDRAULIC BRAKE ASSEMBLY	18
ACCELERATOR ASSEMBLY	19
GAS TANK ASSEMBLY	20
SHIFTER ASSEMBLY	21
AIR INTAKE ASSEMBLY	22
ENGINE AND EXHAUST	23
COOLING ASSEMBLY	24
DRIVE TRAIN ASSEMBLY	25
FRONT DRIVE GEARCASE ASSEMBLY	26
REAR DRIVE GEARCASE ASSEMBLY	27
WIRING HARNESS ASSEMBLY	28
CARBURETOR	29
CYLINDER HEAD ASSEMBLY	30
CYLINDER ASSEMBLY	31
CRANKCASE ASSEMBLY	32
CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY	33
CRANKSHAFT ASSEMBLY	34
STARTER CLUTCH ASSEMBLY	35
CRANK BALANCER ASSEMBLY	36
CAMSHAFT/VALVE ASSEMBLY	37
CAM CHAIN ASSEMBLY	38
OUTER MAGNETO COVER ASSEMBLY	39
OIL FILTER/PUMP ASSEMBLY	40
WATER PUMP ASSEMBLY	41
TRANSMISSION ASSEMBLY	42
SECONDARY TRANSMISSION ASSEMBLY	43
GEAR SHIFTING ASSEMBLY	44
SECONDARY DRIVE ASSEMBLY	45
STARTER MOTOR ASSEMBLY	46
MAGNETO ASSEMBLY	47
RELATED ITEMS	Back Cover

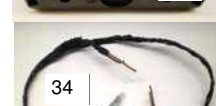
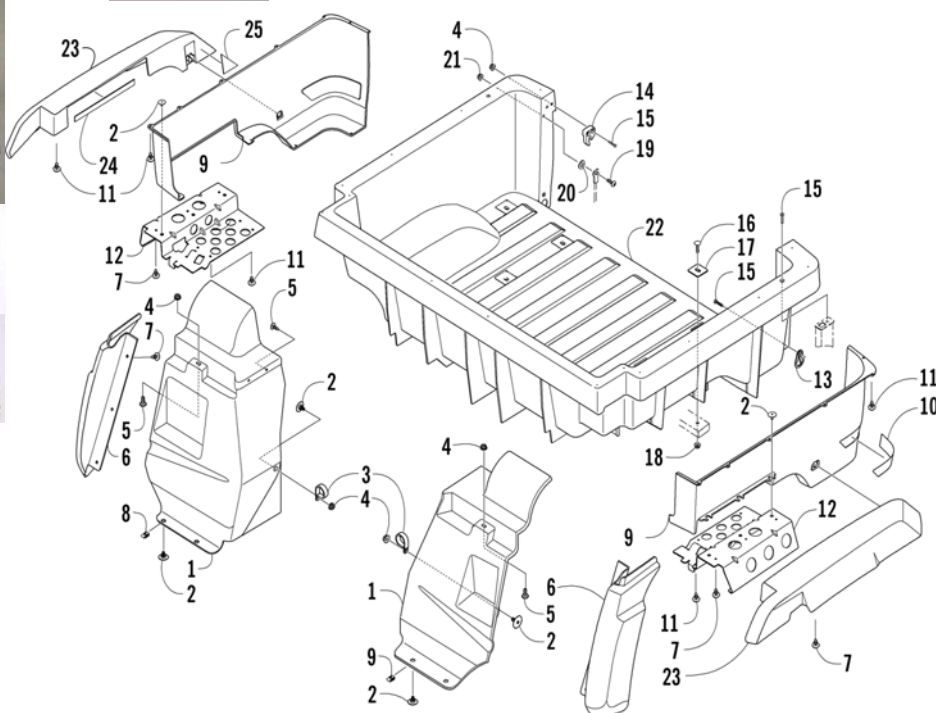
■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2007 model year.



FRONT BODY PANEL ASSEMBLY

0742-433

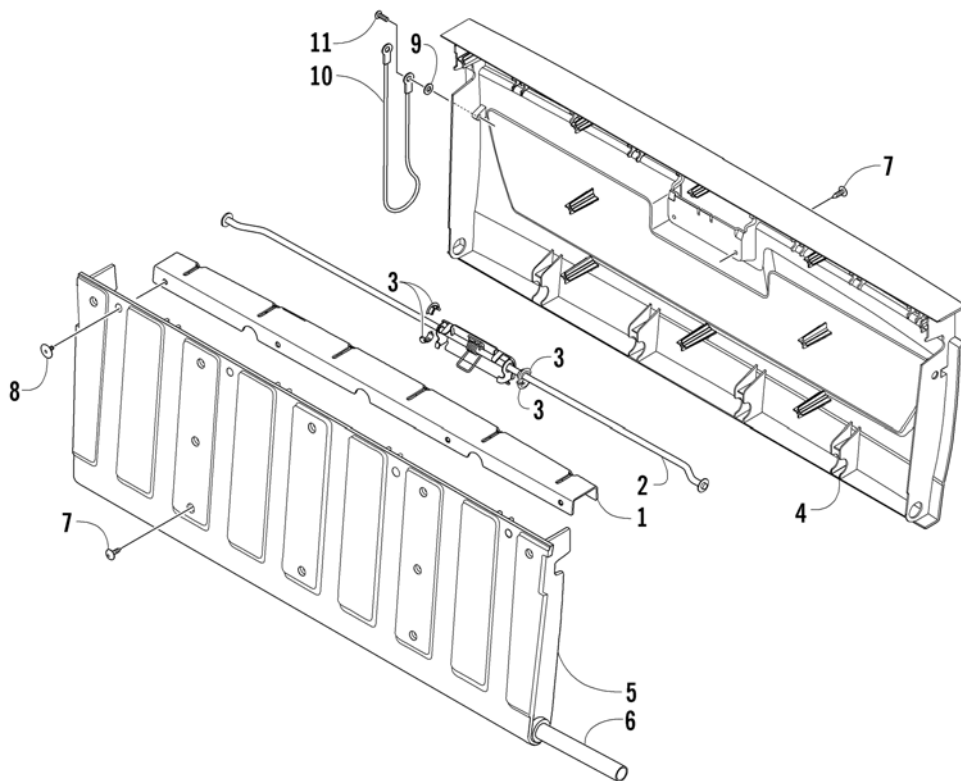
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-683</u>	1	Hood - Assembly (inc. 2)	23	1406-634	1	Floor
	<u>2506-682</u>	1	Hood - Assembly (inc. 2) (Green)	24	0423-342	3	Screw, Self-Tapping
	<u>2506-684</u>	1	Hood - Assembly (inc. 2) (Cat Green)	25	1406-854	1	Base, Seat - Right
	<u>2506-696</u>	1	Hood - Assembly (inc. 2) (M4 Camo)		1406-869	1	Base, Seat - Left
2	0411-818	1	ø Decal, Reflector - Front - Right	26	1406-649	1	Console, Center
	0411-819	1	ø Decal, Reflector - Front - Left	27	1406-825	1	Gate, Shift
3	1406-733	1	Screen, Grille	28	0409-069	1	Panel, Switch-Mount
4	0123-987	8	Clip, U	29	0409-070	2	Plug, Switch-Hole
5	1506-798	2	Bracket, Hood	30	0409-071	1	Switch, Reverse Override
6	8408-020	4	Screw, Cap	31	1411-195	1	Decal, Shift-Gate
7	0423-157	4	Nut, Top-Lock	32	2606-624	2	Strap, Hold-Down
8	1406-915	1	Pin, Hood	33	0423-540	1	Nut
9	1406-792	1	Fender, Front - Right	34	2506-066	1	Bracket, Support - Right
	1406-791	1	Fender, Front - Left		2506-067	1	Bracket, Support - Left
	1406-730	1	Fender, Front - Right (Green)	35	0423-447	6	Grommet
	1406-731	1	Fender, Front - Left (Green)	36	8476-620	8	Screw, Machine
	1406-798	1	Fender, Front - Right (Cat Green)	37	8476-616	2	Screw, Machine
	1406-797	1	Fender, Front - Left (Cat Green)	38	8424-602	2	Nut, Flange
	<u>2506-614</u>	1	Fender, Front - Right (M4 Camo)	39	0509-036	1	Headlight Assy. - RH ECE (inc. 45-51)
	<u>2506-615</u>	1	Fender, Front - Left (M4 Camo)		0509-037	1	Headlight Assy. - LH ECE (inc. 45-51)
10	1623-066	2	Nut, Lock	40	0409-055	4	ø Bulb, Headlight
11	0623-855	2	Screw, Shoulder	41	0623-785	4	Screw, Self-Tapping
12	8050-217	10	Washer	42	0423-514	2	Stud, Adjuster - Headlight
13	0623-784	22	Screw, Self-Tapping	43	0423-522	2	Spring, Adjuster
14	1506-715	1	Storage, Under-Hood - Assembly (inc. 15-18)	44	0423-513	2	Knob, Adjuster
15	1406-945	1	ø Box, Storage	45	0409-096	2	Bulb,H/L Headlight 35/35W
16	1406-944	1	ø Cover, Access - Master Cylinder	46	0409-099	2	Bulb, Turn Signal
17	1406-946	1	ø Seal, Storage Box	47	0409-101	2	Bulb, Position Light
18	0470-442	1	ø Valve, Drain	48	0409-100	2	Socket, Bulb Turn
19	0423-545	12	Screw, Body	49	0409-097	2	Retainer Bulb
20	1406-632	1	Panel, Fender - Inner - Left	50	0409-102	2	Socket, Bulb Position Light
	1406-633	1	Panel, Fender - Inner - Right	51	0409-098	2	Boot H/L Rubber
21	8468-620	6	Screw, Machine				
22	0423-577	13	Clip, U				



REAR BODY PANEL AND CARGO BOX ASSEMBLY

0742-435

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2406-070	1	Panel, Splash - Rear - Right	23	<u>2506-678</u>	1	Fender, Rear - Assembly - Upper - Right (inc. 24-25)
	2406-071	1	Panel, Splash - Rear - Left		<u>2506-679</u>	1	Fender, Rear - Assembly - Upper - Left (inc. 24-25)
2	0423-101	12	Screw, Body		<u>2506-660</u>	1	Fender, Rear - Assembly - Upper - Right (inc. 24-25) (Green)
3	0423-403	2	Clamp, Tube		<u>2506-661</u>	1	Fender, Rear - Assembly - Upper - Left (inc. 24-25) (Green)
4	8424-602	8	Nut, Hex		<u>2506-680</u>	1	Fender, Rear - Assembly - Upper - Right (inc. 24-25) (Cat Green)
5	8476-616	2	Screw, Machine		<u>2506-681</u>	1	Fender, Rear - Assembly - Upper - Left (inc. 24-25) (Cat Green)
6	1406-796	1	Fender, Rear - Lower - Right		<u>2506-688</u>	1	Fender, Rear - Assembly - Upper - Right (inc. 24-25) (M4 Camo)
	1406-795	1	Fender, Rear - Lower - Left		<u>2506-689</u>	1	Fender, Rear - Assembly - Upper - Left (inc. 24-25) (M4 Camo)
	1406-810	1	Fender, Rear - Lower - Right (Green)	24	<u>0417-007</u>	2	δ Strip, Foam
	1406-809	1	Fender, Rear - Lower - Left (Green)	25	<u>0417-008</u>	2	δ Pad, Foam
	1406-802	1	Fender, Rear - Lower - Right (Cat Green)	26	<u>AC003-252</u>	2	Reflector Red PROWLER
	1406-801	1	Fender, Rear - Lower - Left (Cat Green)	27	<u>AC006-011</u>	1	Fender EU homologiert Left PROWLER
	<u>2506-618</u>	1	Fender, Rear - Lower - Right (M4 Camo)	28	<u>AC006-012</u>	1	Fender EU homologiert Right PROWLER
	<u>2506-619</u>	1	Fender, Rear - Lower - Left (M4 Camo)	29	<u>AC008-200</u>	1	Pad Reflector Right PROWLER
7	0623-784	18	Screw, Self-Tapping	30	<u>AC008-201</u>	1	Pad Reflector Left PROWLER
8	0423-577	4	Clip, U	31	<u>AC003-038</u>	1	Plate Number Light-Assy (inc. 32, 33, 34, 35, 36)
9	1406-762	1	Panel, Box - Right (inc. 10)	32	<u>AC008-205</u>	1	Bracket Number-Plate Light PROWLER
	1406-761	1	Panel, Box - Left (inc. 10)	33	<u>AC003-253</u>	2	Indicator Light PROWLER
	<u>2506-788</u>	1	Panel, Box - Right (inc. 10) (M4 Camo)	34	<u>AC003-256</u>	1	Harness Light License Plate PROWLER
	<u>2506-789</u>	1	Panel, Box - Left (inc. 10) (M4 Camo)	35	<u>AC003-257</u>	2	Bulb C5W12V5W
10	1411-128	1	δ Decal, Reflector - Rear - Right	36	<u>AC008-206</u>	1	Clamp Harness Rear PROWLER
	1411-129	1	δ Decal, Reflector - Rear - Left	37	<u>AC008-217</u>	4	Screw M8x20 PROWLER
11	0423-342	28	Screw, Self-Tapping	38	<u>AC008-218</u>	4	Diameter Washer KA8 PROWLER
12	1506-776	1	Bracket, Fender Support - Right	39	<u>AC008-219</u>	4	Screw Nut M8 PROWLER
	1506-777	1	Bracket, Fender Support - Left	40	<u>AC008-220</u>	4	Shim BL 8
13	1506-539	1	Bracket, Tailgate				
14	<u>2506-664</u>	1	Striker, Tailgate - Right				
	<u>2506-665</u>	1	Striker, Tailgate - Left				
15	8474-630	8	Screw, Machine				
16	0423-623	8	Bolt, Carriage				
17	1506-933	8	Plate, Retainer				
18	8424-802	8	Nut, Hex				
19	8476-620	2	Screw, Machine				
20	8050-217	2	Washer				
21	0624-250	2	Nut, Lock				
22	2406-417	1	Box, Rear Cargo				



TAILGATE ASSEMBLY

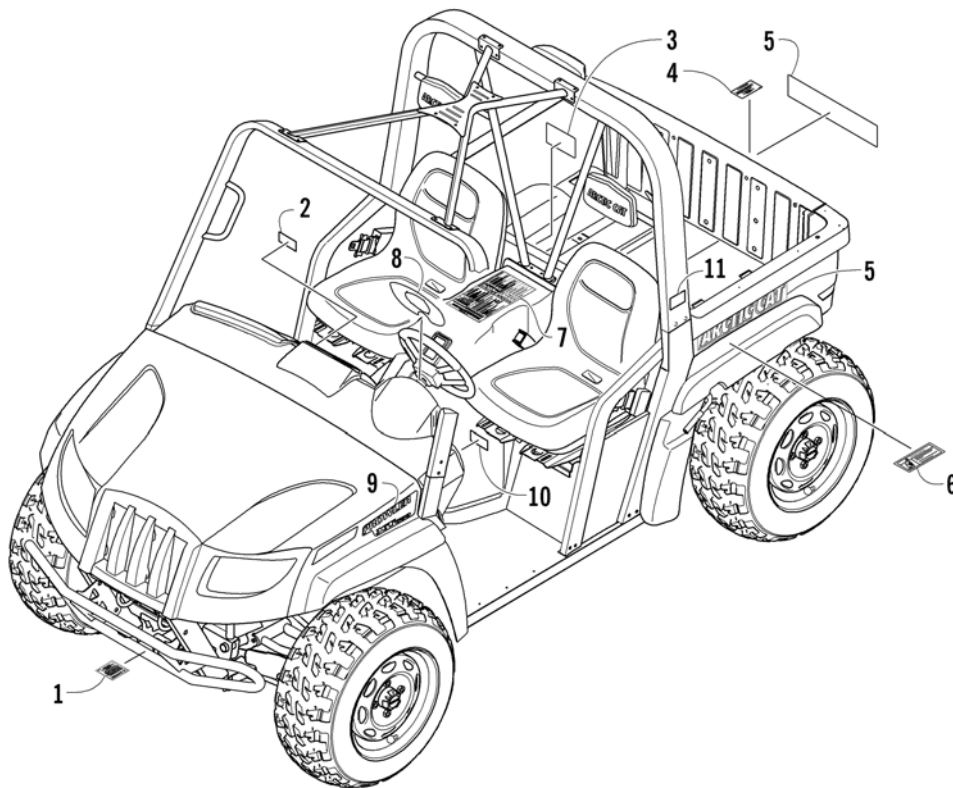
(Complete Tailgate Assembly p/n 2506-205; p/n 2506-791 M4 Camo)

0741-711

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-704	1	Brace, Tailgate	6	1406-927	1	Shaft, Pivot - Tailgate
2	2506-056	1	Latch, Tailgate - Assembly	7	0623-784	12	Screw, Self-Tapping
3	1406-706	4	Bushing	8	0423-101	4	Screw, Body
4	2406-369	1	Panel, Tailgate - Outer	9	8050-217	2	Washer
	<u>2506-790</u>	1	Panel, Tailgate - Outer (M4 Camo)	10	0487-045	2	Cable, Tailgate
5	2406-365	1	Panel, Tailgate - Inner	11	8476-625	2	Screw



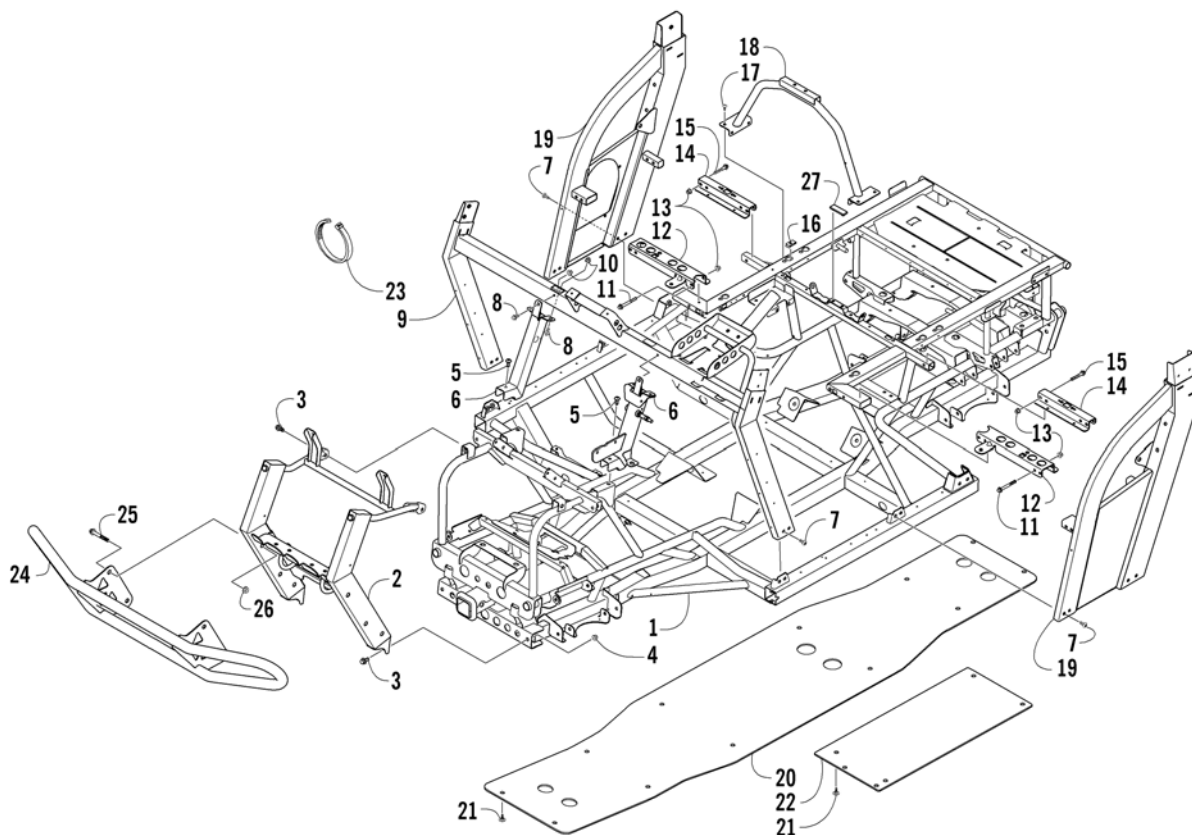
4



DECALS (M4 Camo)

0742-550

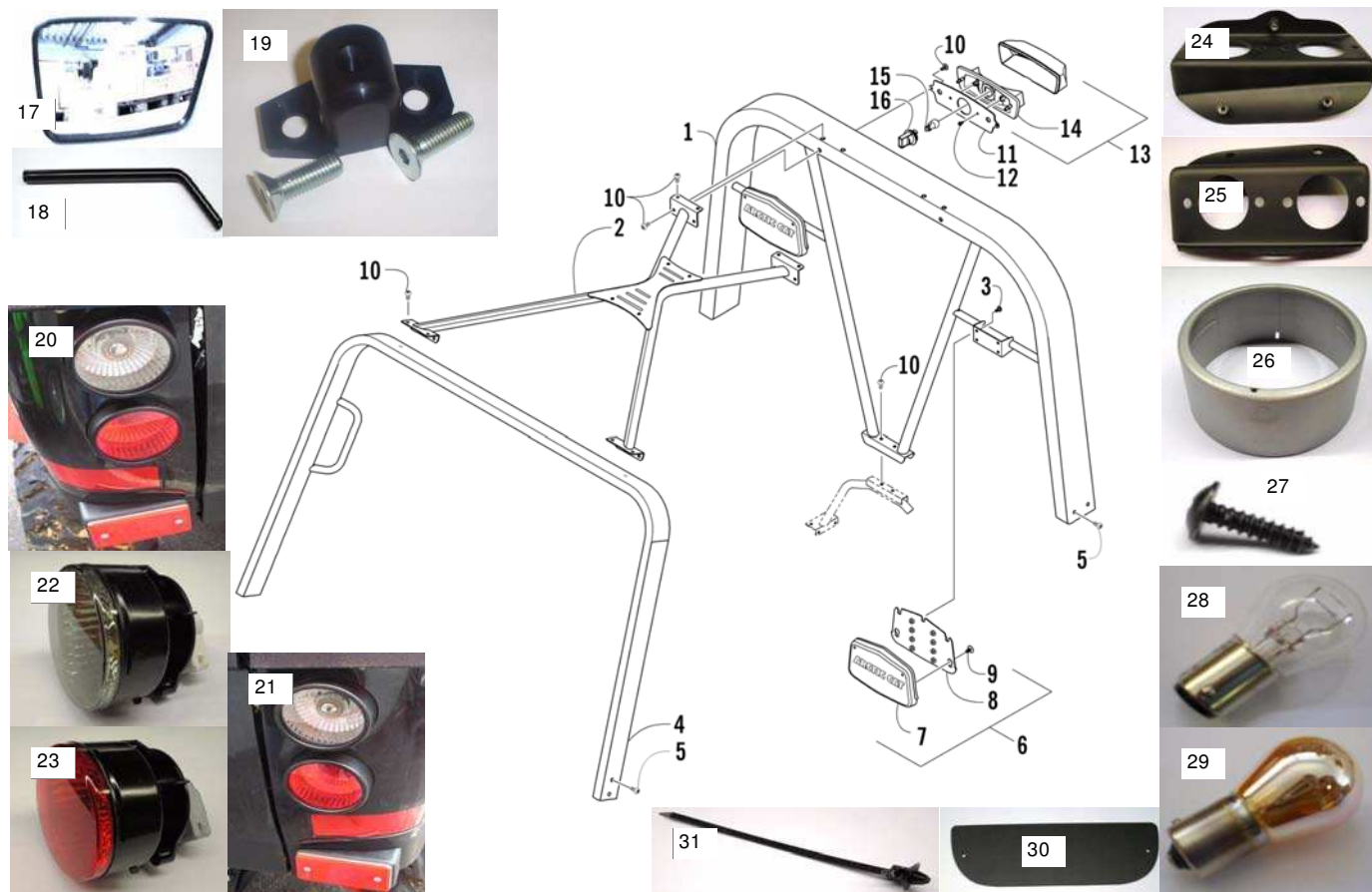
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1411-122	1	Decal, Warning - Towing - Front	7	1411-126	1	Decal, Warning - Console
2	1411-124	1	Decal, Warning - Differential Lock	8	1411-125	1	Decal, Warning - Dash
3	1411-119	1	Decal, Warning - Cargo	9	1411-814	1	Decal, Hood - Right
4	1411-123	1	Decal, Warning - Towing - Rear		1411-815	1	Decal, Hood - Left
5	1411-816	3	Decal, Box - "Arctic Cat"	10	1411-330	1	Decal, Brake Release
6	1411-120	1	Decal, Warning - Pinch Point	11	1411-295	1	Decal, Warning - Canopy



FRAME AND RELATED PARTS

0742-436

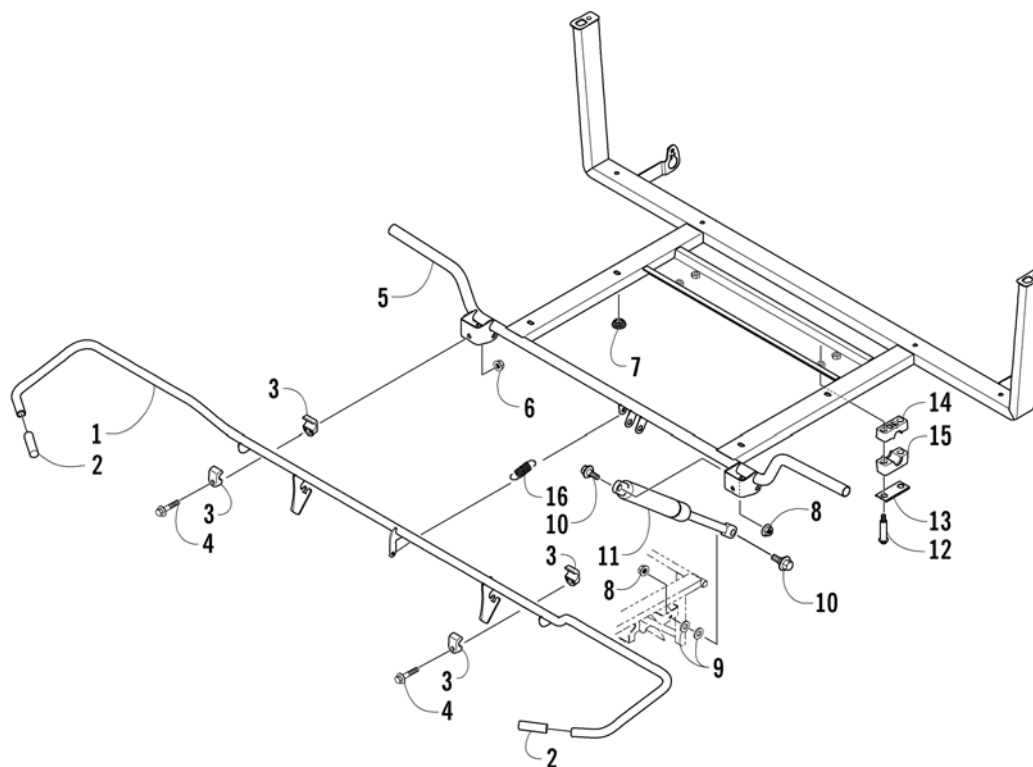
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-663</u>	1	Frame, Main	14	1506-842	2	Bracket, Seat - Support - Rear
2	<u>2506-714</u>	1	Bumper	15	8408-850	6	Screw, Cap
3	8409-020	4	Screw, Cap	16	0423-577	4	Clip, U
4	8427-002	2	Nut, Flange Lock	17	8476-616	4	Screw, Machine
5	8476-820	2	Screw, Machine	18	<u>2506-638</u>	1	Support, Canopy
6	1506-797	1	Bracket, Steering Support - Right	19	<u>2506-634</u>	1	Support, Overhead - Right
	0502-853	1	Bracket, Steering Support - Left		<u>2506-635</u>	1	Support, Overhead - Left
7	0423-642	12	Screw, Machine	20	1406-720	1	Panel, Belly
8	8408-820	6	Screw, Machine	21	0423-545	20	Screw, Body
9	<u>0505-513</u>	1	Support, Steering	22	1406-721	2	Panel, Belly - Side
10	8424-802	6	Nut, Flange Lock	23	0123-788	AR	Cable Tie
11	8408-870	6	Screw, Cap	24	<u>2506-783</u>	1	Bumper
12	1506-844	1	Bracket, Seat - Support - Front Right	25	8408-860	4	Screw, Cap
	1506-845	1	Bracket, Seat - Support - Front Left	26	8427-802	4	Nut, Lock
13	8427-802	12	Nut, Flange Lock	27	0406-879	1	Bumper, Seat



CANOPY AND TAILLIGHT ASSEMBLY

0742-700

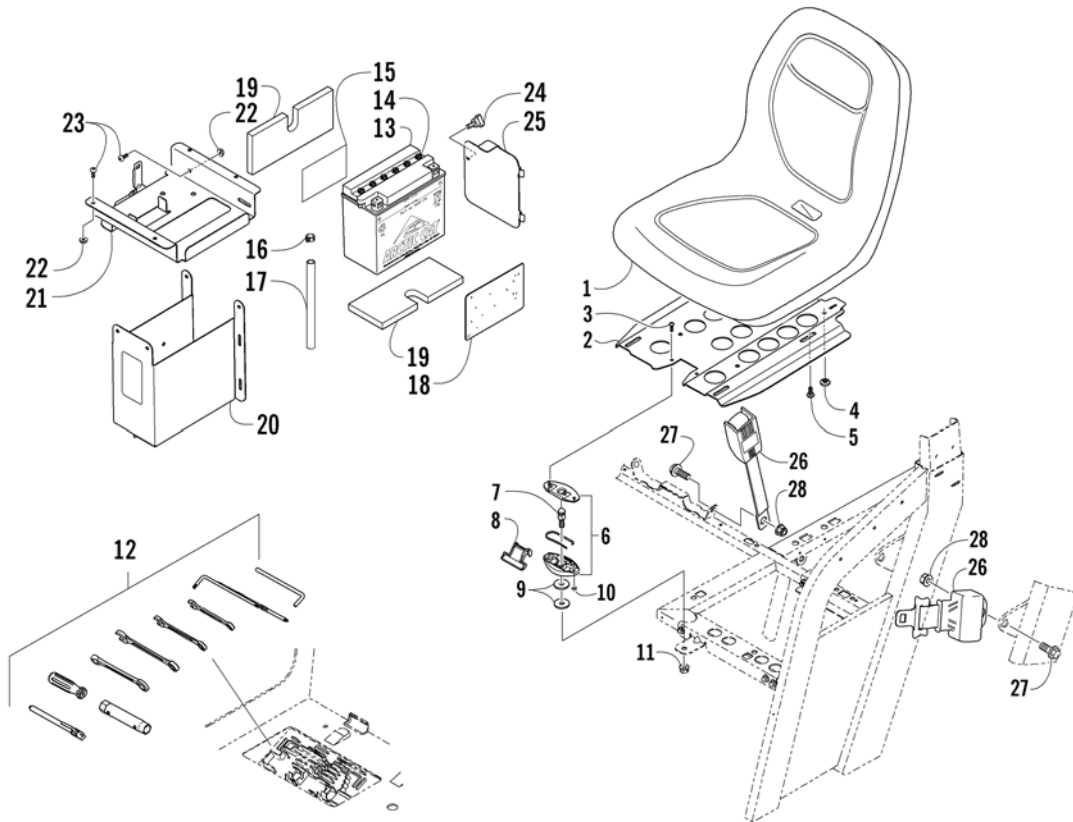
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-680	1	Tube, Canopy - Rear	20	AC003-027	1	inc. 2 x Internal Hexagon Socket Screw
2	1506-713	1	Support, Canopy				Rear Light Assy Left PROWLER
3	0423-361	8	Screw, Machine				(inc. 22, 23, 25, 26, 27)
4	1506-665	1	Tube, Canopy - Front	21)	AC003-028	1	Rear Light Assy Right PROWLER
5	0423-817	8	Screw, Machine				(inc. 22, 23, 24, 26, 27)
6	1506-795	2	Pad, Headrest - Assembly (inc. 7-9)	22	AC003-029	1	Indicator Rear Prowler
7	1406-884	2	ø Pad, Headrest				(inc. 29)
8	1506-722	2	ø Mount, Headrest	23	AC003-030	1	Brake and Tail Light PROWLER
9	0623-544	10	ø Plug				(inc. 28)
10	0423-419	18	Screw, Machine	24	AC008-203	1	Bracket Rear Light Right PROWLER
11	2406-069	1	Bracket, Taillight Mounting	25	AC008-204	1	Bracket Rear Light Left PROWLER
12	0623-301	2	Screw, Self-Tapping	26	AC008-199	2	Design-Ring Rear Light PROWLER
13	0509-022	1	Taillight Assembly (inc. 14-16)	27	AC008-234	4	Self-Tapping Screw Black 3,9x16
14	0509-025	1	ø Housing, Taillight	28	AC003-097	1	Bulb 21/5 Watt
15	0409-056	1	ø Bulb, Taillight	29	AC003-089	1	Indicator Bulb 12V 21W (silber)
16	0409-057	1	ø Socket, Taillight	30	AC008-202	2	Cover Rear Light PROWLER
17	AC008-215	2	Mirror PROWLER	31	AC008-221	2	Tie Cable PROWLER
18	AC008-216	2	Mirror Rod PROWLER				
19	AC008-235	2	Bracket Mirror Rod PROWLER				



TILT FRAME ASSEMBLY

0741-740

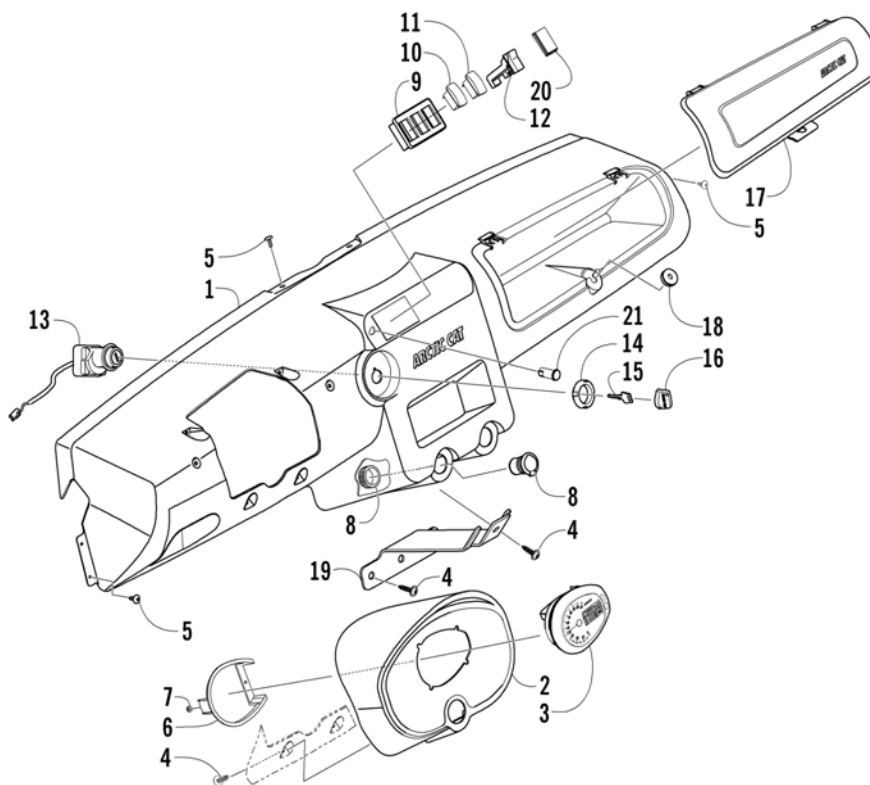
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-669	1	Latch, Tilt Box	9	8050-217	2	Washer
2	1406-736	2	Grip, Latch Rod	10	0423-355	2	Screw, Shoulder
3	1406-674	4	Bushing, Pivot	11	2506-194	1	Support, Lift
4	8408-840	2	Screw, Cap	12	0423-505	4	Screw, Shoulder
5	2506-197	1	Frame, Box	13	0405-166	2	Cap, Housing
6	8424-802	2	Nut, Flange	14	0405-138	2	Housing, Lower
7	0423-628	4	Grommet	15	0405-139	2	Housing, Upper
8	8424-602	2	Nut, Flange	16	1612-178	1	Spring



SEAT, BATTERY, AND TOOL KIT ASSEMBLY

0742-651

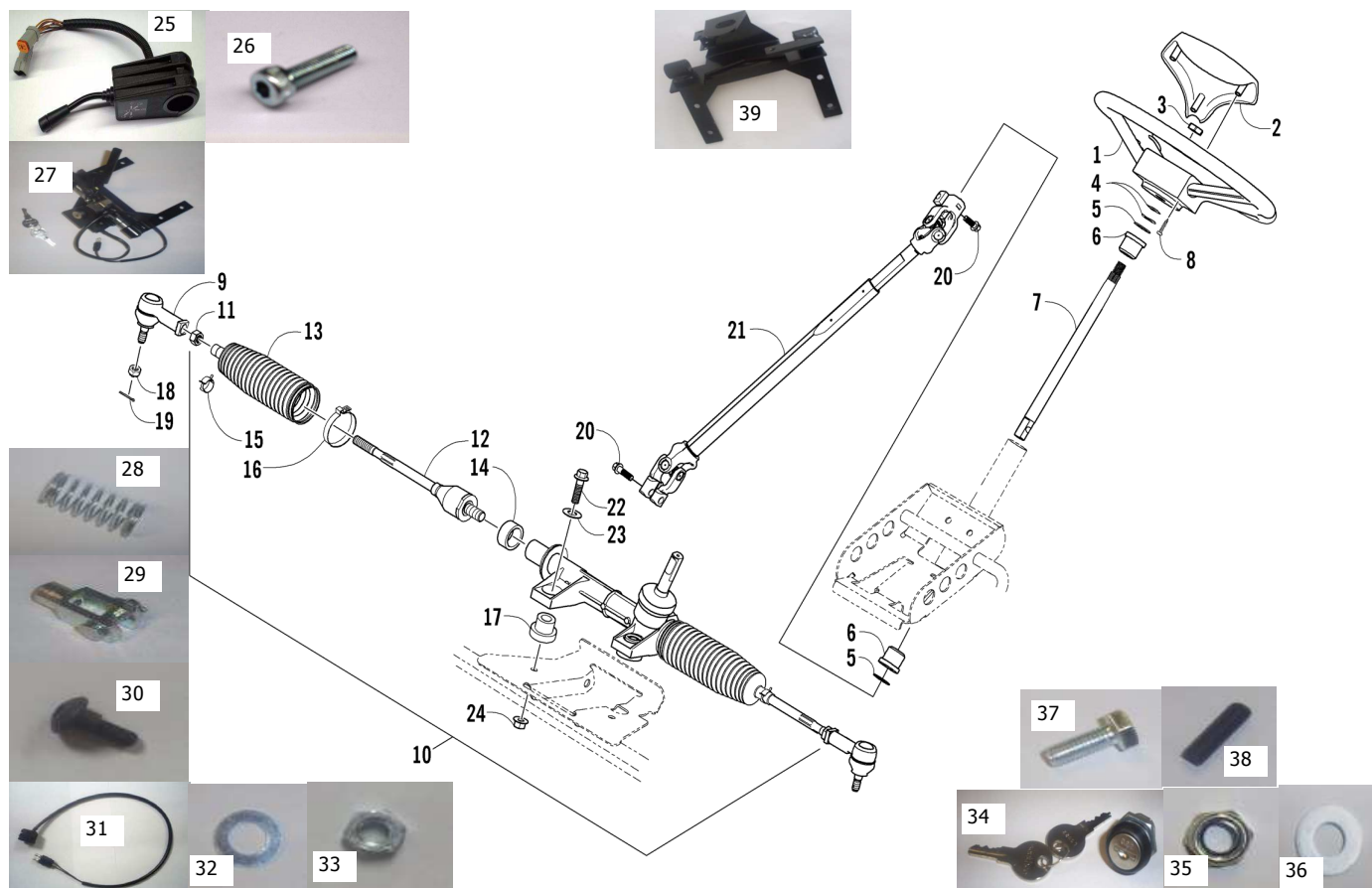
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-925	2	Seat, Low-Back	15	0645-151	1	Ø Label, Warning - Battery
2	<u>2506-780</u>	2	Plate, Base - Seat	16	0645-152	1	Ø Clamp, Hose
3	8468-620	4	Screw, Machine	17	0645-263	1	Ø Hose, Battery Vent
4	0406-877	8	Bumper, Seat	18	0406-380	1	Pad, Battery
5	8468-820	8	Screw, Machine	19	0406-227	2	Pad, Battery
6	2706-164	2	Latch - Assembly	20	1506-841	1	Box, Battery
7	0423-559	2	Stud, Latch - Seat	21	1506-840	1	Panel, Electrical
8	2606-854	2	Lever, Release - Seat Latch	22	8424-602	8	Nut, Flange
9	0423-073	4	Washer	23	8476-616	8	Screw, Machine
10	0623-038	4	Nut, Hex	24	0423-456	1	Screw, Thumb
11	0423-120	2	Nut	25	1506-839	1	Cover, Battery Box
12	1506-852	1	Base, Seat/Tools - Assembly	26	<u>2506-748</u>	2	Belt, Seat
13	0745-059	1	Battery - Assembly (inc. 14-17)	27	8408-025	4	Screw, Cap
14	0645-246	6	Ø Cap, Battery	28	8427-002	4	Nut



DASH ASSEMBLY

0741-704

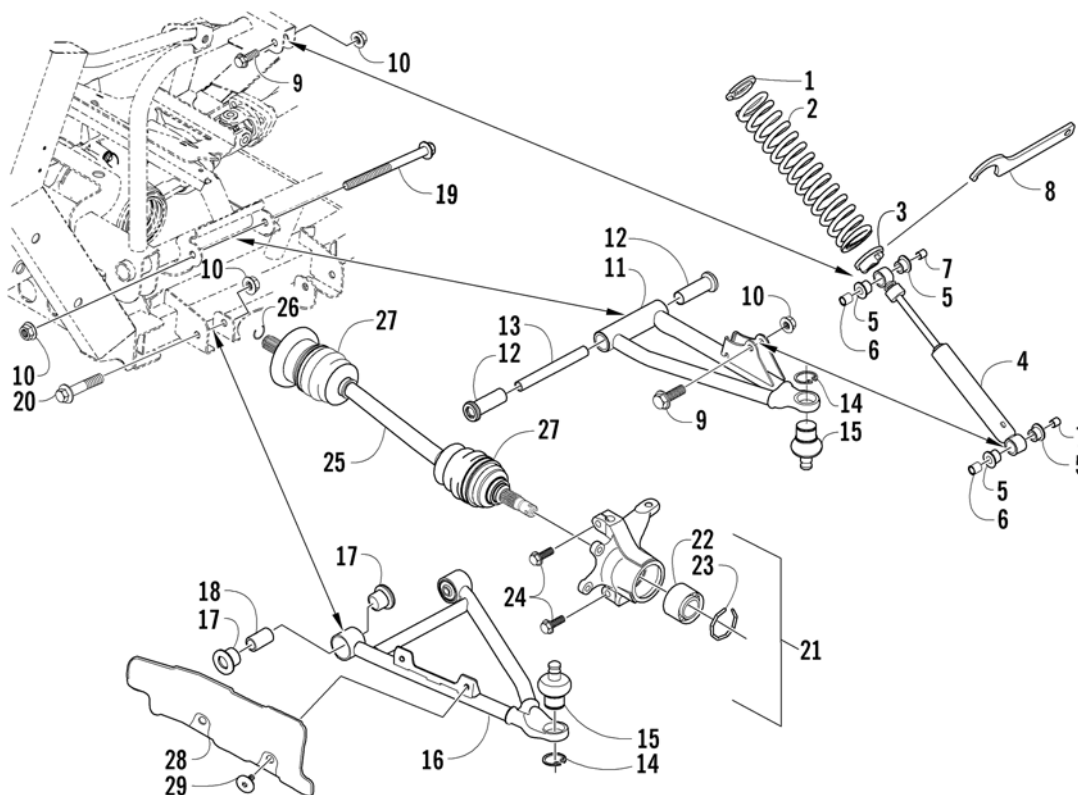
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2406-505	1	Panel, Dash	17	1406-789	1	Cover, Glove Box
2	1406-727	1	Pod, Instrument	18	0423-541	1	Grommet, Latch - Glove Box
3	0520-029	1	Gauge, Analog/Digital LCD	19	2506-192	1	Bracket, Support - Lower Dash
4	0423-342	10	Screw, Self-Tapping	20	0409-070	2	Plug, Switch Hole
5	0623-784	6	Screw, Self-Tapping	21	0420-076	1	Light, Indicator
6	0420-065	1	Clamp, Plastic - LCD Gauge	22	AC003-039	1	Light Switch Assy (inc. 23 - 30)
7	0423-493	2	Nut, Hex	23	AC008-208	1	Flat Rod PROWLER
8	0641-897	2	Outlet, Accessory - 12V	24	AC008-222	2	Blind Catch PROWLER
9	0409-069	+	Panel, Switch Mount	25	AC003-262	1	Display Lamp PROWLER
10	0409-067	+	Switch, Light	26	AC003-261	1	Switch Light PROWLER
11	0409-074	1	Switch, 2WD/4WD	27	AC008-211	1	Symbol Light PROWLER
12	0502-905	1	Lever, Differential Lock - Assembly	28	AC008-209	1	Symbol Low Beam PROWLER
13	0430-040	1	Switch, Ignition (inc. 14-16)	29	AC008-213	1	Symbol Black PROWLER
14	0430-050	1	ø Nut, Flange - Ignition Switch	30	AC003-251	1	Lamp Socket PROWLER
15	0430-042	1	ø Key, Ignition - Series (Y)	31	0420-072	2	Light, Indicator-ACE Turn-Signal
16	0430-054	1	ø Key, Ignition - Series (Z)				
			ø Cover, Key				



STEERING POST ASSEMBLY

0741-747

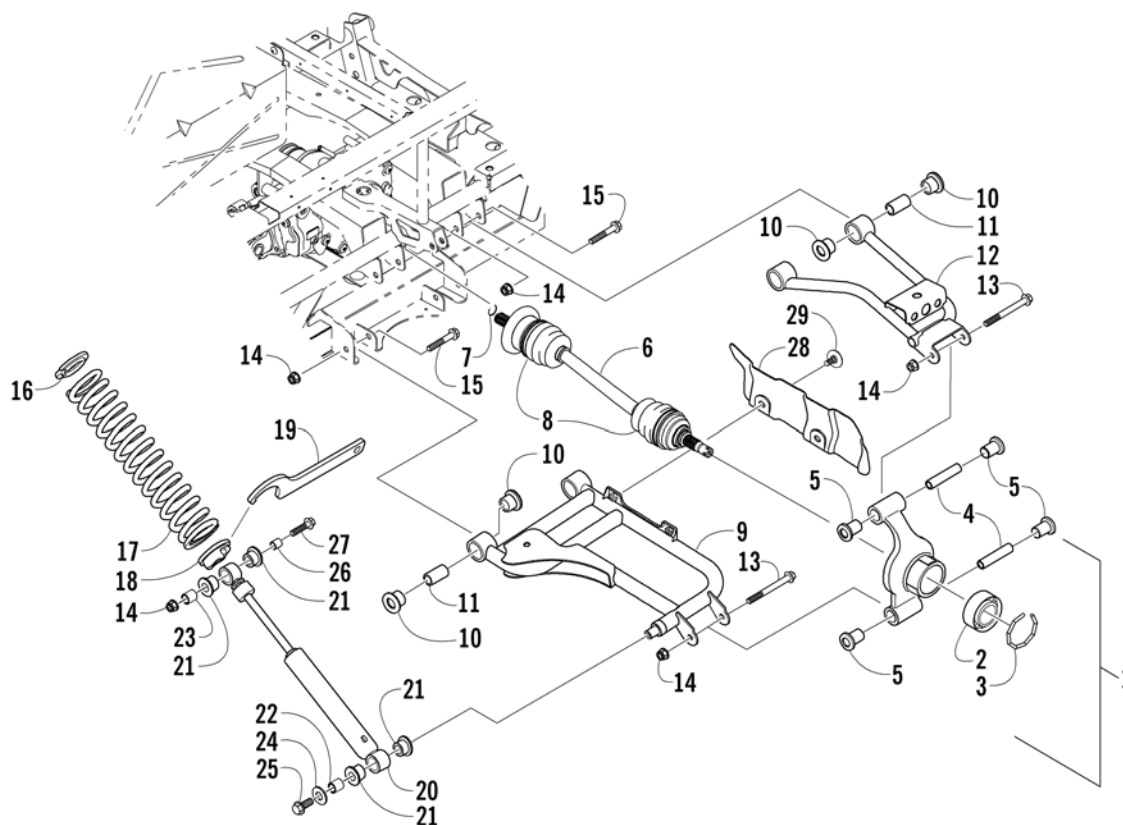
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-884	1	Wheel, Steering - Assembly (inc. 2)	23	0623-728	2	Washer
2	0405-239	1	ø Cover, Steering Wheel	24	8424-002	2	Nut, Flange
3	1670-477	1	Nut, Hex	25	AC003-268	1	Drop Arm PROWLER inc.
4	0828-071	2	Washer		AC003-260	1	Drop Arm Switch PROWLER
5	0423-558	2	Washer		AC001-656	1	Decal Drop Arm Switch Prowler
6	0405-155	2	Bushing		AC003-012	1	Deutsch Stecker (W)
7	0405-160	1	Shaft, Steering Wheel		AC003-019	1	Deutsch Stiftstecker (M)
8	0423-613	3	Screw, Self-Tapping	26	AC008-210	4	Cylinder Screw 4x16 PROWLER
9	0405-205	2	End, Tie Rod	27	AC008-051	1	Anti Theft Device PROWLER
10	0405-246	1	Housing, Rack and Pinion (inc. 11-17)				(inc. 28 - 39)
11	0423-622	2	ø Nut, Hex	28	AC008-436	2	Spring
12	0405-245	2	ø Tie Rod	29	AC008-437	2	Fork Joint
13	0405-216	2	ø Boot, Rack	30	0423-355	1	Screw, Shoulder
14	0405-206	2	ø Spacer, Rack	31	0502-564	1	Kit, Brake Light Switch
15	0405-236	2	ø Clamp, Tie Rod End	32	AC008-420	2	Washer 8
16	0405-237	2	ø Clamp, Boot	33	AC008-438	1	Nut M6
17	0405-238	2	ø Bushing	34	2406-354	1	Lock, Key Style
18	0423-072	2	Nut	35	AC008-424	4	Stop Nut M6
19	0623-175	2	Pin, Cotter	36	AC008-249	8	Washer 6
20	0423-655	2	Bolt	37	AC008-439	4	Hexagon Screw M6x16
21	0405-156	1	Shaft, Lower Steering - Assembly	38	AC008-440	2	Threaded Pin 6x20
22	8409-050	2	Screw, Cap	39	AC008-214	1	Bracket Anti Theft Device PROWLER



FRONT SUSPENSION ASSEMBLY

0741-748

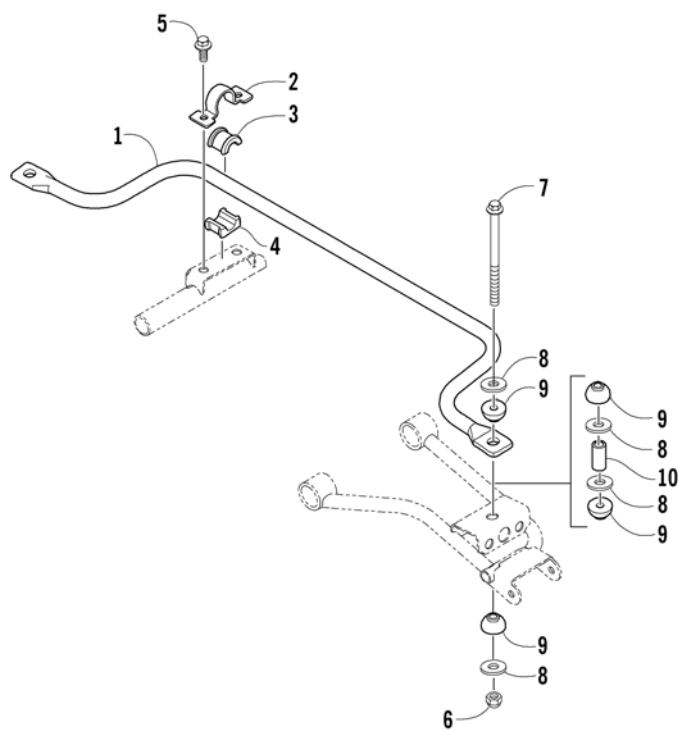
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1603-889	2	Retainer, Spring	18	0403-114	4	ø Collar
2	0403-161	2	Spring, Shock Absorber - Black	19	0423-723	2	Screw, Cap
3	0403-102	2	Cam, Spring Adjuster	20	8409-075	4	Screw, Cap
4	0403-147	2	Shock Absorber - Front (inc. 5-6)	21	0505-480	1	Knuckle - Assembly - Right (inc. 22-23)
5	0603-955	8	ø Bushing		0505-481	1	Knuckle - Assembly - Left (inc. 22-23)
6	1603-209	4	ø Sleeve	22	1402-027	2	ø Bearing, Wheel Hub
7	0404-116	4	Sleeve, Shock	23	0423-423	2	ø Ring, Retaining
8	0441-587	1	Wrench, Spanner	24	8409-030	4	Screw, Cap
9	8409-040	4	Screw, Cap	25	0502-733	1	Axle - Front - Left (inc. 26-27)
10	8428-002	6	Nut, Lock		0502-734	1	Axle - Front - Right (inc. 26-27)
11	0503-196	1	A-Arm, Upper Right - Black (inc. 12-15)	26	1441-109	2	ø Clip, Retaining
	0503-197	1	A-Arm, Upper Left - Black (inc. 12-15)	27	0436-276	2	ø Repair Kit, Boot - Front Axle
12	0403-081	4	ø Bushing	28	0441-752	1	Guard, Boot - Right
13	0403-080	2	ø Collar		0441-753	1	Guard, Boot - Left
14	0423-009	4	ø Clip, Ball Joint		1441-002	1	Guard, Boot - Right (Green)
15	0405-115	4	ø Ball Joint		1441-003	1	Guard, Boot - Left (Green)
16	0503-334	1	A-Arm, Lower Right - Black (inc. 14-15 and 17-18)		0441-756	1	Guard, Boot - Right (Cat Green)
	0503-335	1	A-Arm, Lower Left - Black (inc. 14-15 and 17-18)		0441-757	1	Guard, Boot - Left (Cat Green)
17	0403-115	8	ø Bushing		1406-034	1	Guard, Boot - Right (M4 Camo)
					1406-035	1	Guard, Boot - Left (M4 Camo)
				29	0423-545	4	Screw, Body



REAR SUSPENSION ASSEMBLY

0741-750

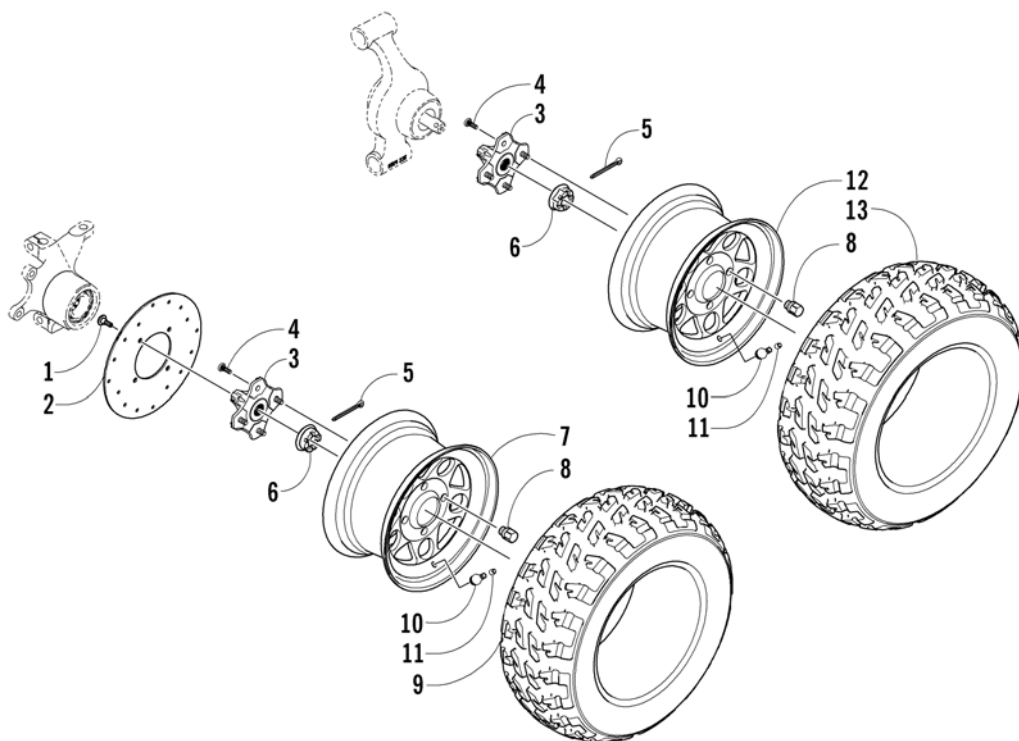
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-389	2	Knuckle, Rear - Assembly (inc. 2-5)	16	1603-889	2	Retainer, Spring
2	1402-027	2	ø Bearing, Wheel Hub	17	0404-117	2	Spring, Suspension - Black
3	0423-423	2	ø Ring, Retaining	18	0404-057	2	Cam, Spring Adjuster
4	0403-038	4	ø Collar, Suspension Bushing	19	0441-587	1	Wrench, Spanner
5	0403-032	8	ø Bushing, Suspension	20	0404-115	2	Shock Absorber - Rear (inc. 21-23)
6	0502-740	2	Axle, Drive (inc. 7-8)	21	0603-955	8	ø Bushing
7	0441-893	2	ø Clip, Retaining	22	1603-219	2	ø Sleeve, Shock
8	0436-276	2	ø Repair Kit, Boot - Rear Axle	23	1603-209	2	ø Sleeve
9	0504-464	1	A-Arm, Rear - Lower Right - Black (inc. 10-11)	24	0423-087	2	Washer
	0504-465	1	A-Arm, Rear - Lower Left - Black (inc. 10-11)	25	8408-820	2	Screw, Cap
10	0403-115	16	ø Bushing	26	0404-116	2	Sleeve, Shock Absorber
11	0403-114	8	ø Collar	27	8409-040	2	Screw, Cap
12	0504-358	1	A-Arm, Rear - Upper Right - Black (inc. 10-11)	28	0441-754	1	Guard, Boot - Right
	0504-359	1	A-Arm, Rear - Upper Left - Black (inc. 10-11)		0441-755	1	Guard, Boot - Left
13	8409-000	4	Screw, Cap		1441-004	1	Guard, Boot - Right (Green)
14	8428-002	14	Nut, Lock		1441-005	1	Guard, Boot - Left (Green)
15	8409-075	8	Screw, Cap		0441-758	1	Guard, Boot - Right (Cat Green)
					0441-759	1	Guard, Boot - Left (Cat Green)
					1406-068	1	Guard, Boot - Right (M4 Camo)
					1406-069	1	Guard, Boot - Left (M4 Camo)
				29	0423-545	4	Screw, Body



SWAY BAR ASSEMBLY

0740-634

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0404-110	1	Bar, Sway - Assembly	6	8422-002	2	Nut
2	0404-135	2	Clamp, Sway Bar Bushing	7	0423-335	2	Screw, Cap
3	0404-094	2	Bushing, Sway Bar - Upper	8	0423-073	8	Washer
4	0404-095	2	Bushing, Sway Bar - Lower	9	1402-434	8	Bushing, Sway Bar
5	8409-016	4	Screw, Cap	10	0423-620	2	Spacer, Sway Bar

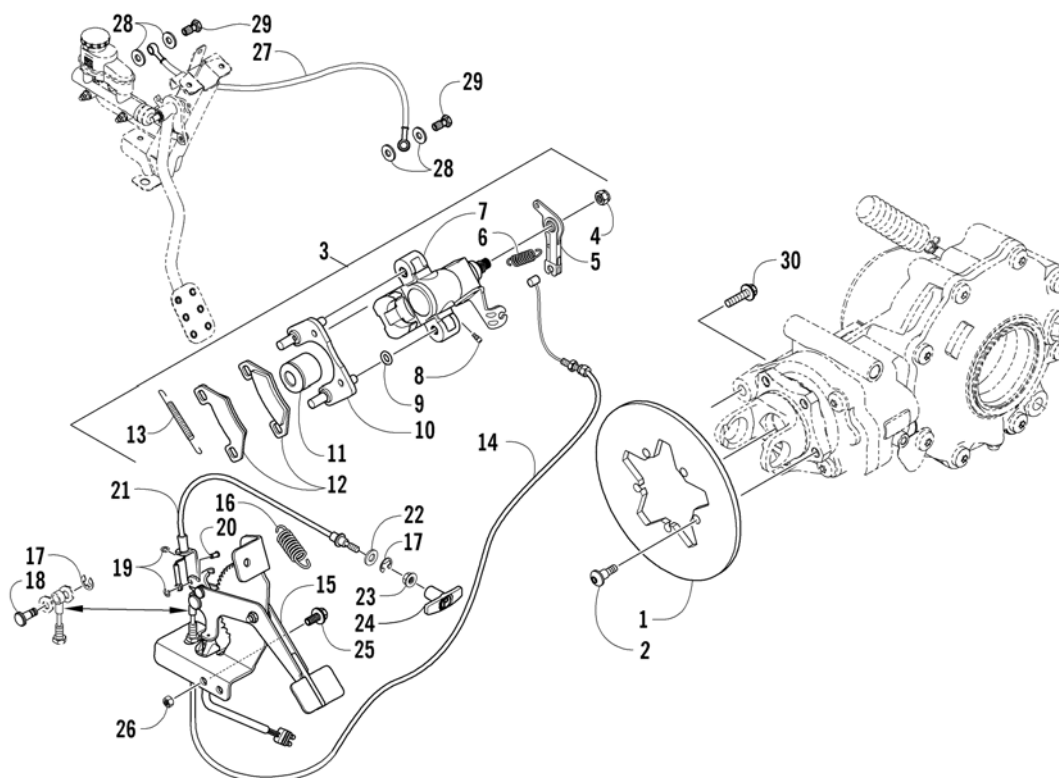


WHEEL AND TIRE ASSEMBLY

0740-489

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-557	8	Screw, Machine	7	1402-449	2	Wheel - Front - Black
2	1402-455	2	Disc, Brake	8	0423-618	16	Nut, Mounting - Wheel - Chrome
3	0502-980	2	Hub, Wheel - Front (inc. 4)	9	1402-392	2	Tire - Front
	0503-322	2	Hub, Wheel - Rear (inc. 4)	10	0402-064	4	Stem, Valve (inc. 11)
4	0402-974	16	ø Stud, Wheel Hub	11	0402-140	4	ø Cap, Valve Stem
5	0423-407	4	Pin, Cotter	12	1402-452	2	Wheel - Rear - Black
6	0423-607	4	Nut, Castle	13	1402-393	2	Tire - Rear

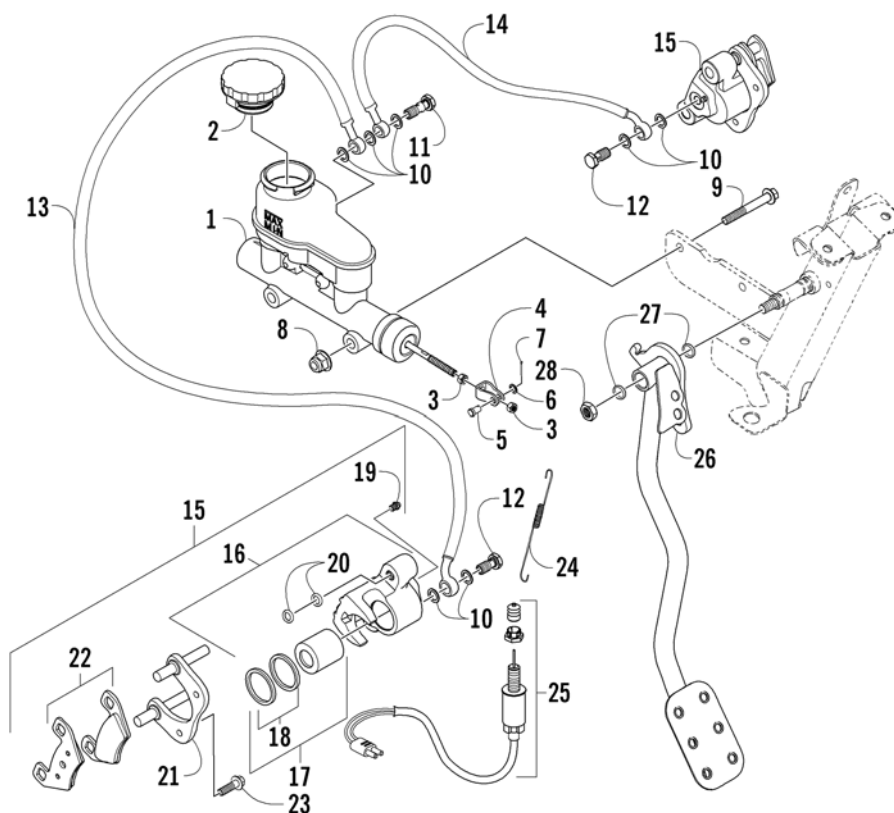
16



REAR AND PARKING BRAKE ASSEMBLY

0741-751 *Not a Service Part

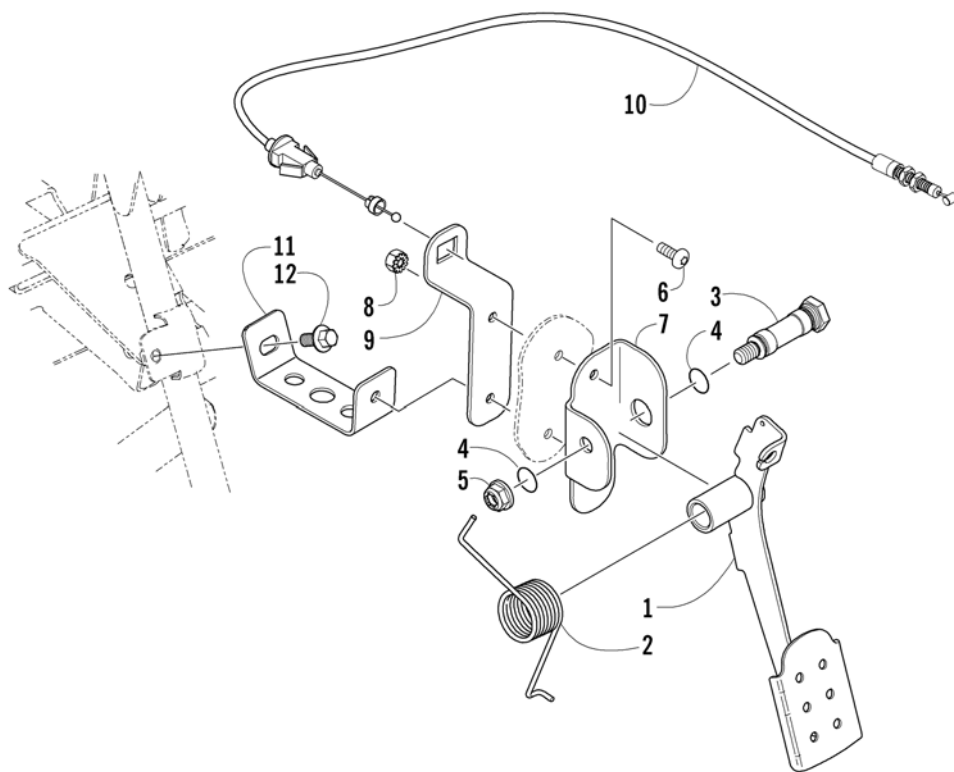
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1402-324	1	Rotor	16	1502-026	1	Spring
2	0423-557	5	Screw, Shoulder	17	0423-668	2	E-Clip
3	1502-143	1	Brake - Assembly (inc. 4-13)	18	1502-029	1	Pin
4	0502-988	1	ø Nut	19	0423-667	2	E-Clip
5	1502-160	1	ø Lever, Actuator	20	1502-030	1	Pin
6	0502-985	1	ø Spring	21	0487-043	1	Cable, Brake Release
7	*	1	ø Housing, Caliper	22	0623-044	1	Washer
8	0502-609	1	ø Valve, Bleed	23	8424-602	1	Nut
9	*	2	ø O-Ring, Brake Caliper	24	1502-024	1	Handle, Parking Brake
10	0502-605	1	ø Bracket Assembly	25	8408-816	3	Screw, Cap
11	*	2	ø Piston	26	8424-802	3	Nut, Hex
12	0502-875	2	ø Pad, Brake	27	1402-388	1	Hose, Brake
13	1502-161	1	ø Spring, Anti-Rattle	28	0423-178	4	Washer, Crush
14	0487-036	1	Cable, Parking Brake	29	0423-413	2	Bolt, Banjo-Fitting
15	1502-146	1	Brake, Parking - Assembly	30	8408-835	2	Screw, Cap



HYDRAULIC BRAKE ASSEMBLY

0740-514

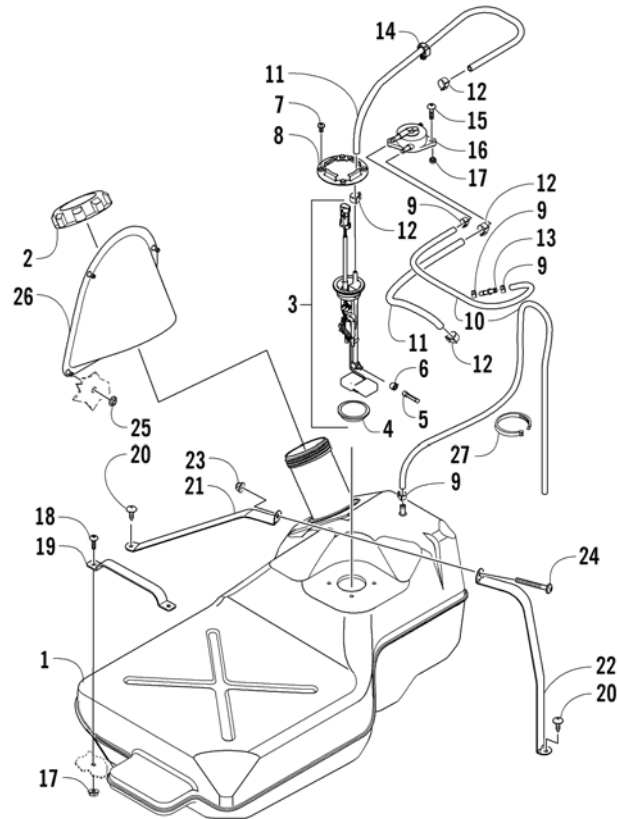
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-786	1	Cylinder, Master Brake - Assembly (inc. 2-4)	16	0502-603	1	ø Housing, Caliper - Assembly - Front Right (inc. 17-19)
2	0405-225	1	ø Cap, Brake Fluid Reservoir		0502-611	1	ø Housing, Caliper - Assembly - Front Left (inc. 17-19)
3	0402-592	2	ø Nut, Clevis	17	0502-606	2	ø ø Piston/Seal Set (inc. 18)
4	1402-520	1	ø Clevis	18	0502-607	2	ø ø ø Seal Set
5	1402-377	1	Pin, Clevis	19	0502-609	2	ø ø Valve, Bleed
6	8050-217	1	Washer	20	0502-608	2	ø O-Ring, Guide - Set
7	0117-868	1	Pin, Cotter	21	0502-960	2	ø Bracket Assembly
8	8424-802	2	Nut	22	0502-875	2	ø Pad, Brake - Set
9	8408-860	2	Screw, Cap	23	8408-825	4	Screw, Cap
10	0423-178	7	Washer, Crush	24	0502-785	1	Spring, Brake Switch
11	0423-610	1	Bolt, Banjo-Fitting - Double	25	0409-089	1	Switch, Brake - Assembly
12	0423-413	2	Bolt, Banjo-Fitting	26	1502-042	1	Lever, Brake
13	1402-389	1	Hose, Brake - Front	27	1602-213	2	O-Ring
14	1402-290	1	Hose, Brake - Front Right	28	8428-002	1	Nut
15	0502-958	1	Caliper, Brake - Front Right (inc. 16-22)				
	0502-959	1	Caliper, Brake - Front Left (inc. 16-22)				



ACCELERATOR ASSEMBLY

0742-445

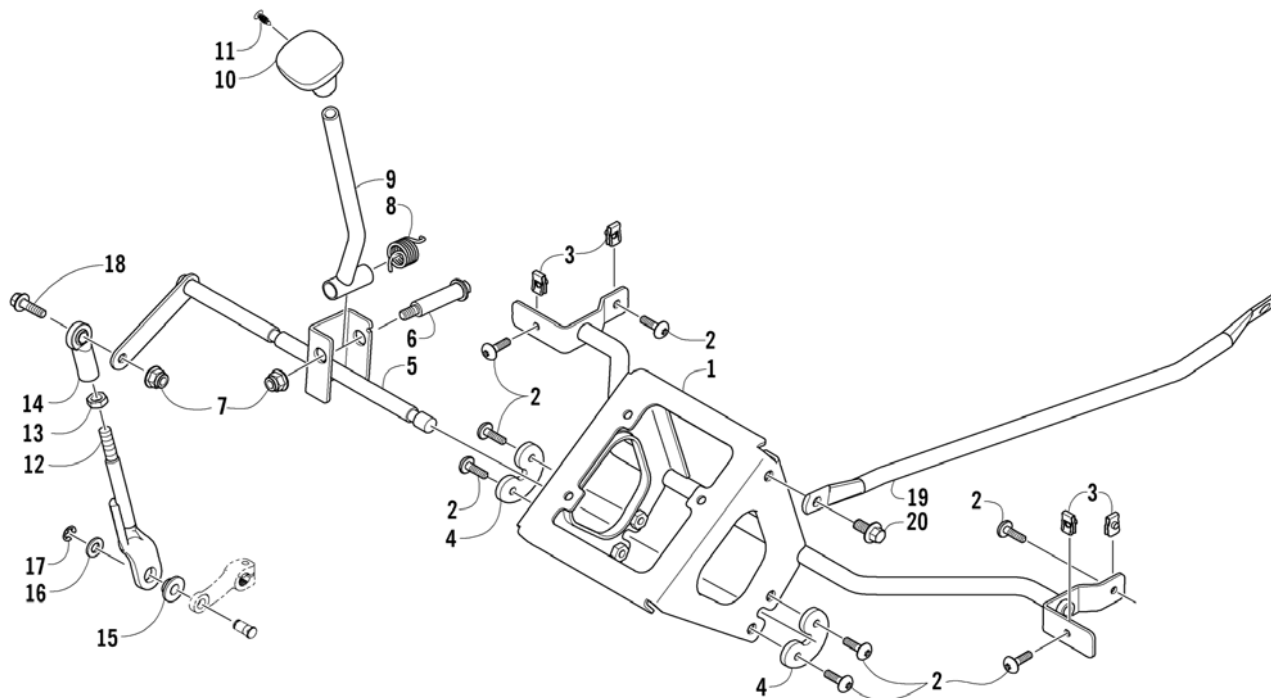
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-974	1	Pedal, Accelerator	7	0502-991	1	Bracket, Accelerator Pedal
2	0405-233	1	Spring	8	0623-038	2	Nut, Hex w/Washer
3	0402-872	1	Axle	9	0502-990	1	Bracket, Cable - Accelerator
4	1602-213	2	O-Ring	10	0487-048	1	Cable, Accelerator
5	8422-002	1	Nut	11	2506-476	1	Support, Pedal
6	8471-616	2	Screw, Machine	12	8408-816	1	Screw



GAS TANK ASSEMBLY

0742-482

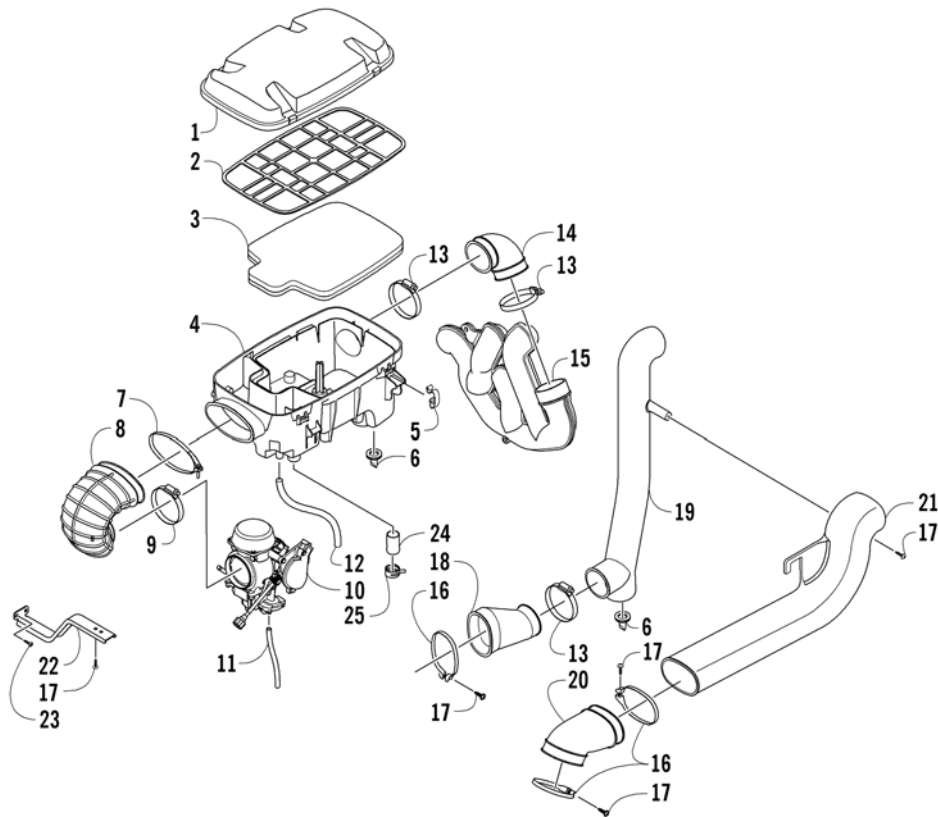
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0570-217</u>	1	Tank, Gas - Assembly (inc. 2-8)	15	8476-620	2	Screw, Machine
2	0470-541	1	ø Cap, Gas Tank	16	<u>0470-758</u>	1	Pump, Fuel
3	<u>0570-770</u>	1	ø Sensor, Fuel Level (inc. 4-6)	17	0623-038	4	Nut, Lock
4	0470-521	1	ø ø Seal, Fuel Level Sensor	18	8476-625	2	Screw, Machine
5	0470-475	1	ø ø Filter, Fuel	19	0470-544	1	Bracket, Gas Tank Mounting
6	0423-603	1	ø ø Clamp, Hose	20	0623-784	2	Screw, Self-Tapping
7	1623-158	4	ø Screw, Plastite	21	0570-127	1	Strap, Gas Tank
8	0470-639	1	ø Plate, Mounting - Fuel Level Sensor	22	0570-128	1	Strap, Gas Tank
9	0423-688	4	Clamp, Hose	23	8427-602	1	Nut, Hex
10	0410-070	AR	Hose, Fuel - 25 ft	24	8476-650	1	Screw, Machine
11	0410-143	AR	Hose, Fuel - 25 ft	25	0423-357	4	Nut, Stamped
12	0423-689	4	Clamp, Hose	26	1406-886	1	Inset, Gas Tank Cap
13	<u>0470-702</u>	1	Fitting, Straight	27	0123-811	AR	Cable Tie - 4 in.
14	0623-454	2	Clip, Routing - Snap-In				



SHIFTER ASSEMBLY

0742-446

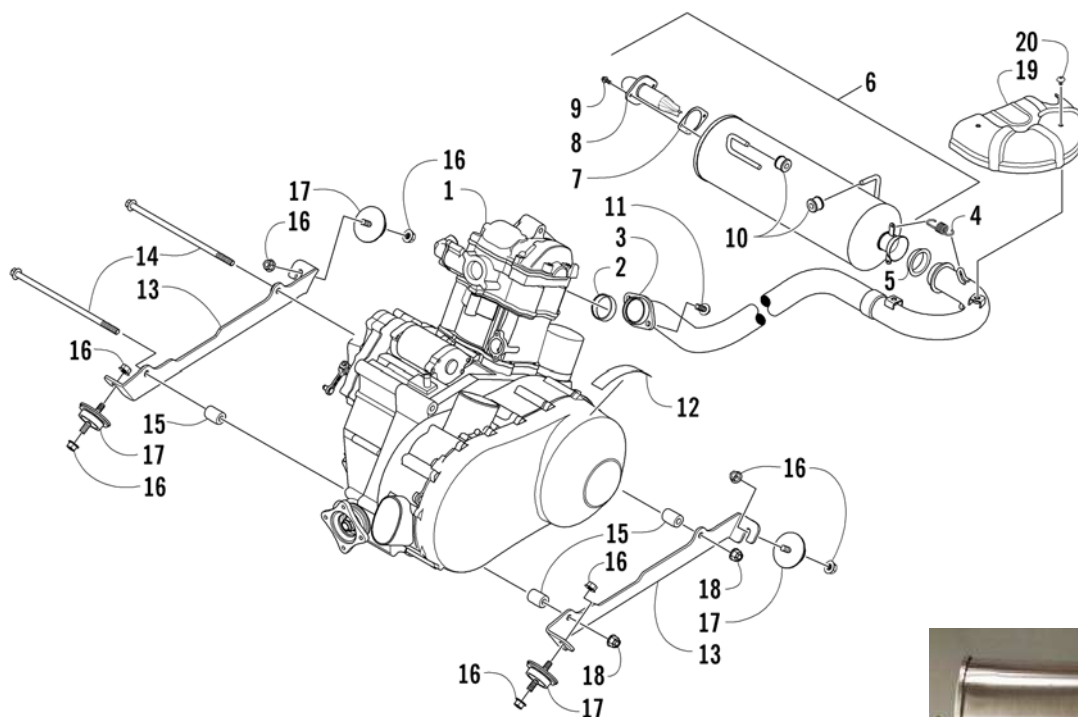
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-525	1	Mount, Shift	11	0623-269	1	Clip, Retainer
2	8476-616	8	Screw, Machine	12	0541-527	1	Linkage, Shift
3	0423-577	4	Clip, U	13	0123-144	1	Nut, Jam
4	1402-275	2	Retainer, Shift Linkage	14	0423-686	1	Rod End
5	1506-811	1	Axle, Shift	15	0423-091	1	Bushing, Shift
6	0423-505	1	Screw, Shoulder	16	0623-094	1	Washer
7	8424-802	2	Nut, Flange	17	0124-057	1	E-Ring
8	1402-668	1	Spring, Shift	18	8408-825	1	Screw, Cap
9	1502-283	1	Lever, Shift	19	1502-264	1	Support, Shift Mount
10	1402-566	1	Knob, Shift	20	8408-816	1	Screw, Cap



AIR INTAKE ASSEMBLY

0742-447

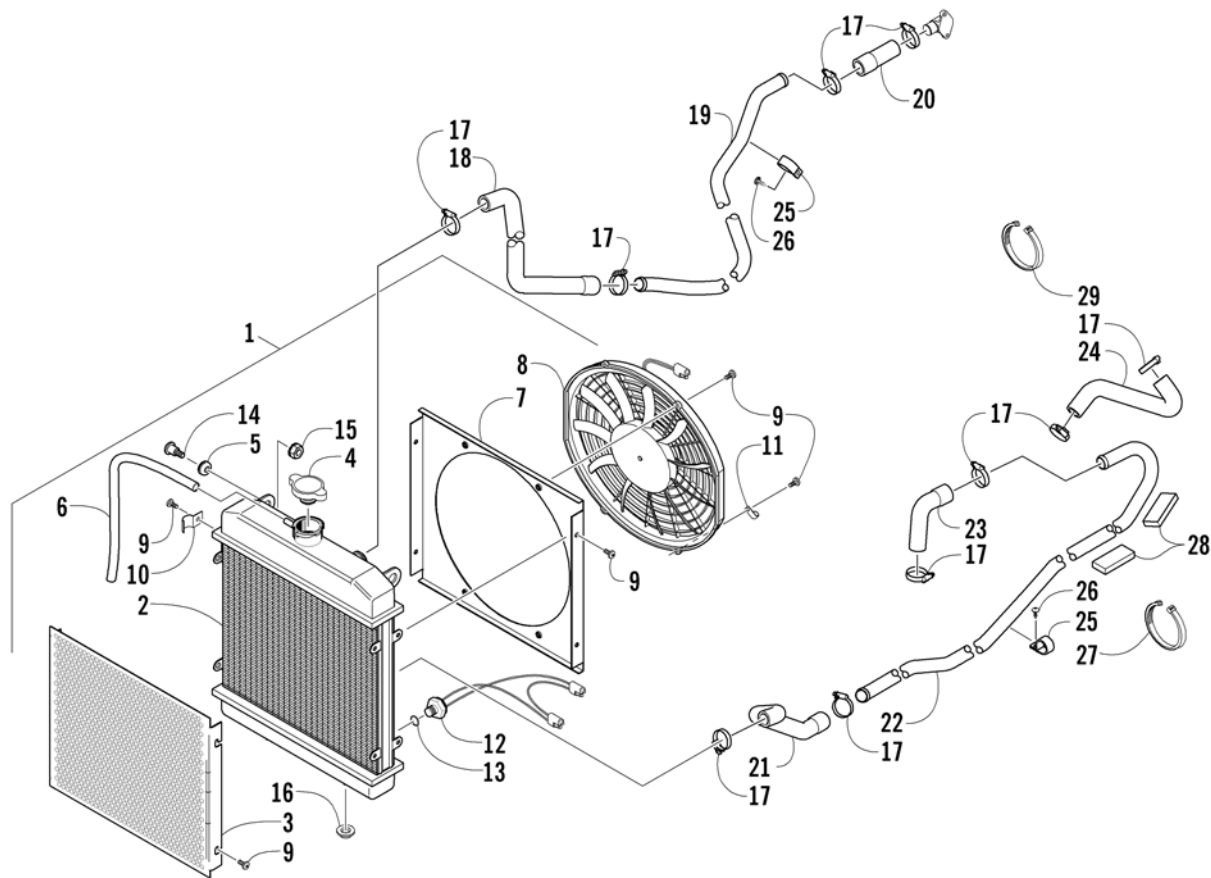
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0470-755</u>	1	Cover, Air Intake	14	0413-098	1	Boot, Air-In
2	<u>0470-558</u>	1	Filter, Air	15	<u>0513-024</u>	1	Duct, Air-In
3	<u>0470-560</u>	1	Screen, Air Filter	16	0423-550	3	Clamp
4	<u>0470-675</u>	1	Housing, Air Intake	17	0423-342	6	Screw, Self-Tapping
5	0423-455	4	Clip, Spring	18	0413-049	1	Boot, Duct
6	0470-442	2	Valve, Drain	19	<u>0413-188</u>	1	Duct
7	0423-554	1	Clamp, Boot	20	0413-109	1	Boot, Air-Out - Clutch
8	0470-525	1	Boot, Carburetor	21	<u>0413-189</u>	1	Duct, Air-Out - Clutch
9	0423-018	1	Clamp, Hose	22	<u>2506-651</u>	1	Bracket, Support
10	<u>0470-742</u>	1	Carburetor, CVK36-AE	23	0623-784	2	Screw, Self-Tapping
11	0510-593	1	Hose, Carburetor Drain	24	<u>0423-766</u>	1	Cap, Drain - Housing
12	0410-079	1	Hose, Vent - Crankcase	25	1623-287	1	Clamp, Hose
13	0423-380	3	Clamp, Boot				



ENGINE AND EXHAUST

0742-449

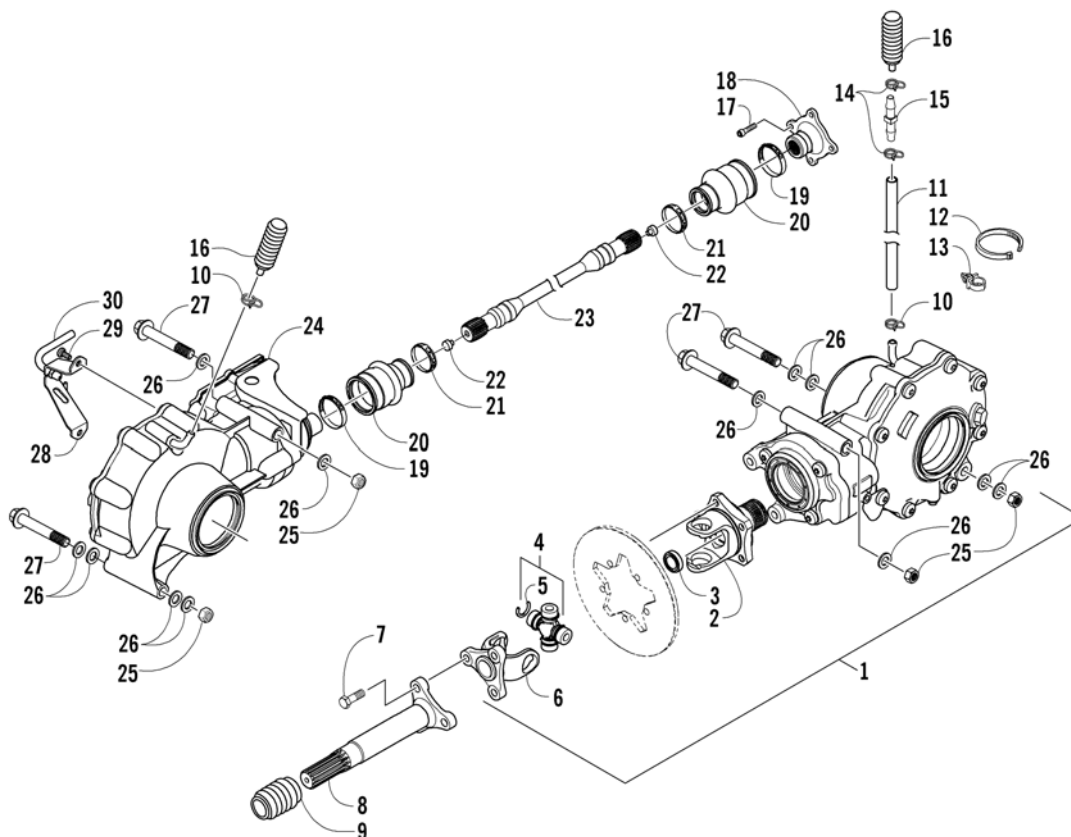
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0800-033	1	Engine	12	0411-426	1	Decal, Warning - Clutch Cover
2	0412-338	1	Gasket, Exhaust Pipe	13	1506-998	1	Bracket, Engine - Right
3	0512-427	1	Pipe, Exhaust		1506-999	1	Bracket, Engine - Left
4	0612-668	2	Spring	14	0423-537	2	Bolt
5	0412-375	1	Seal, Exhaust	15	0423-042	3	Spacer, Engine Mount
6	0512-401	4	Muffler Assembly (inc. 7-9)	16	8424-002	8	Nut
7	0412-438	4	Gasket, Spark Arrestor	17	0408-014	4	Mount, Engine
8	0512-432	4	Spark Arrestor Assembly	18	8428-002	2	Nut
9	8408-616	2	Screw, Cap	19	0412-462	1	Shield, Heat
10	0412-215	2	Bushing, Exhaust Pipe	20	8477-610	2	Screw, Machine
11	8408-820	2	Screw, Cap	21	AC004-708	1	Muffler Stainless Steel for PROWLER



COOLING ASSEMBLY

0742-481

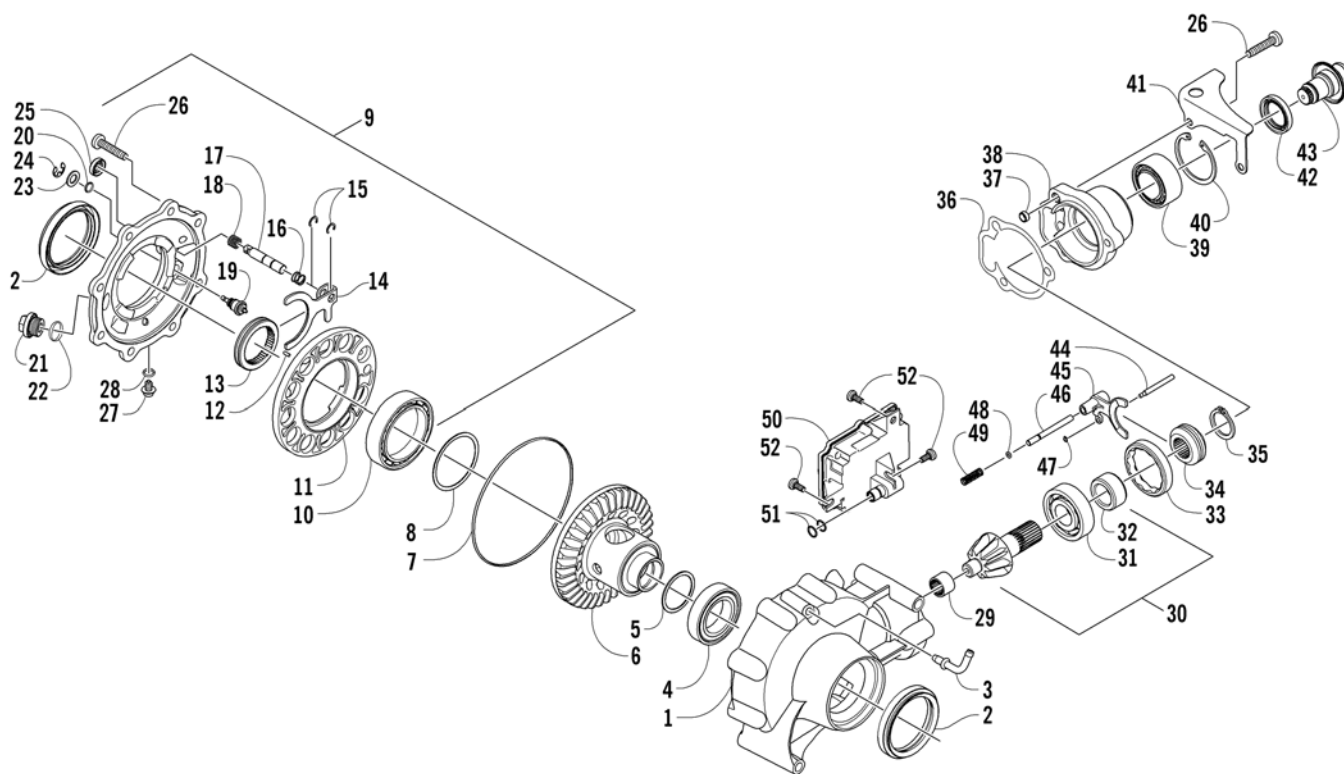
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-172	1	Radiator - Assembly (inc. 2-13)	16	0423-028	2	Bushing, Stem
2	0413-184	1	ø Radiator	17	0423-496	10	Clamp, Hose
3	0413-007	1	ø Screen, Radiator	18	0410-092	1	Hose, Coolant - Upper Radiator
4	0413-002	1	ø Cap, Radiator	19	0410-089	1	Pipe, Coolant - Upper
5	0423-030	2	ø Grommet	20	0410-091	1	Hose, Coolant - Upper Engine
6	0610-016	AR	ø Hose - 25 ft	21	0410-094	1	Hose, Coolant - Lower Radiator
7	0413-046	1	ø Shroud, Fan	22	0410-090	1	Pipe, Coolant - Lower
8	0413-123	1	ø Fan, Cooling	23	0410-093	1	Hose, Coolant - Lower Engine
9	8475-512	12	ø Screw, Machine	24	0410-095	1	Hose, Coolant - Rear
10	0423-351	1	ø Clamp, Wire	25	0423-594	2	Clamp, Pipe - Coolant
11	0123-397	1	ø Clamp, Cable	26	0623-784	2	Screw, Self-Tapping
12	0413-168	1	ø Sensor, Temperature - Coolant	27	0123-903	AR	Cable Tie - 11.5 in.
13	0423-390	1	ø O-Ring	28	0406-288	2	Pad
14	0423-484	2	Screw, Shoulder	29	0623-751	AR	Cable Tie, Reusable
15	0623-038	2	Nut w/Washer				



DRIVE TRAIN ASSEMBLY

0741-756

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-128	1	Gearcase, Rear (inc. 2-6)	16	0402-147	2	Bladder, Gearcase
2	1502-124	1	ø Shaft, Input - Assembly (inc. 3)	17	8408-820	4	Screw, Cap
3	1402-322	1	ø ø Cover, End	18	0402-950	1	Flange, Output
4	0402-944	1	ø Joint, Universal - Set (inc. 5)	19	0423-393	2	Clamp, Boot
5	0423-395	4	ø ø Retainer	20	0402-985	2	Boot, Coupler
6	0502-331	1	ø Yoke, Propeller Shaft	21	0423-411	2	Clamp, Boot
7	8409-025	3	Screw, Cap	22	0673-618	2	Bumper, Driveshaft
8	0502-857	1	Driveshaft - Rear	23	1402-271	1	Shaft, Propeller
9	0402-966	1	Boot, Driveshaft	24	1502-240	1	Gearcase, Front
10	0423-315	2	Clamp, Hose	25	8428-002	4	Nut, Lock
11	0410-070	AR	Hose, Vent - 25 ft	26	0423-426	12	Washer
12	0123-788	AR	Tie, Cable	27	0423-404	4	Screw, Cap
13	0623-101	1	Clip, Routing - Snap-In	28	0502-942	1	Plate, Cable
14	0423-155	2	Clamp, Hose	29	0423-396	2	Screw, Self-Tapping
15	0470-462	1	Fitting, Vent	30	0487-037	1	Cable

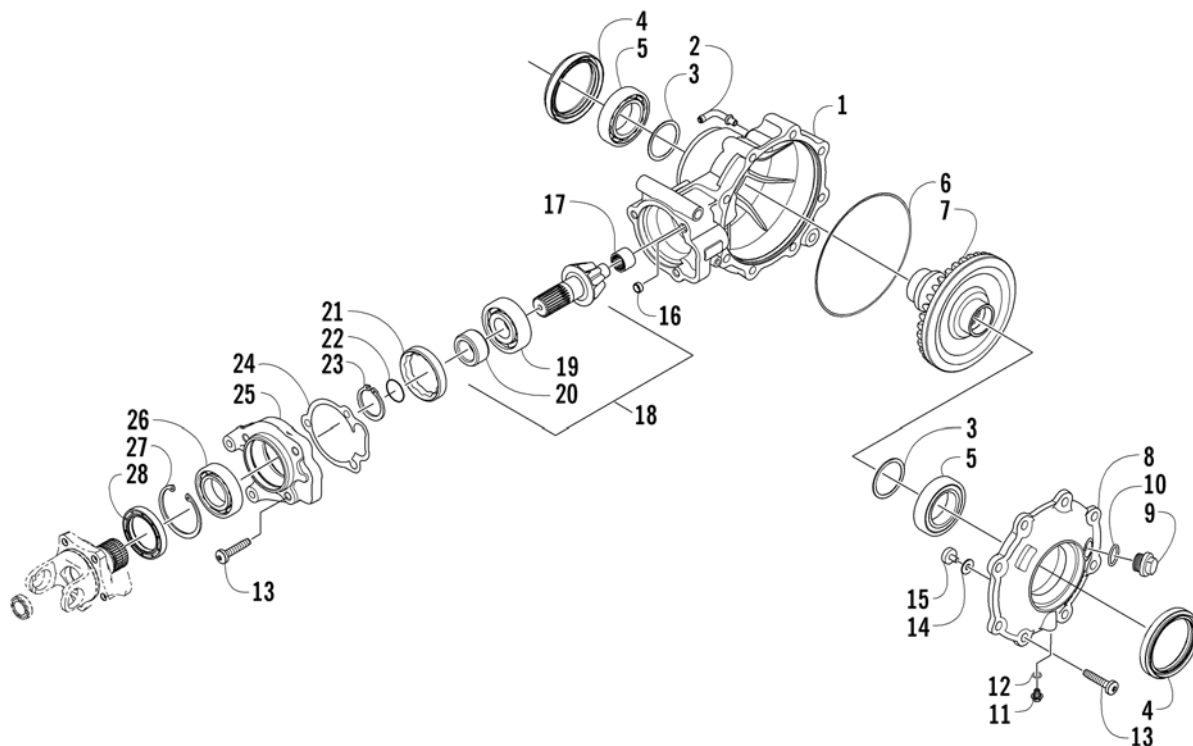


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-240)

0741-758

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-548	1	Housing, Gearcase	23	0423-132	1	ø Washer
2	1402-441	2	Seal	24	0423-424	1	ø Ring, Retaining
3	1402-442	1	Fitting	25	1402-056	1	ø Seal
4	0402-393	1	Bearing	26	0423-118	11	Screw, Self-Tapping
5	0402-405	AR	Shim - 1.3	27	1402-210	1	Plug, Drain (inc. 28)
	0402-406	AR	Shim - 1.4	28	0423-153	1	ø O-Ring
	0402-407	AR	Shim - 1.5	29	0402-328	1	Bearing, Needle
	0402-408	AR	Shim - 1.6	30	0502-649	1	Gear, Pinion - Assembly - 9T (inc. 31-32)
	0402-409	AR	Shim - 1.7	31	0402-327	1	ø Bearing
6	1502-235	1	Gear, Front - Assembly - 36T	32	0402-336	1	ø Collar, Retaining
7	0423-149	1	O-Ring	33	0402-357	1	Collar, Lock
8	1402-074	AR	Shim	34	0402-413	1	Coupler, Drive
	1402-075	AR	Shim	35	0423-417	1	Ring, Retaining
	1402-076	AR	Shim	36	0402-947	1	Gasket
	1402-077	AR	Shim	37	0402-411	1	Pin, Dowel
	1402-078	AR	Shim	38	0502-952	1	Housing, Pinion
9	0502-736	1	Cover, Gearcase (inc. one No. 2 and 10-25)	39	1402-043	1	Bearing
10	1402-053	1	ø Bearing	40	0423-423	1	Ring, Retaining
11	0502-413	1	ø Flange, Bearing	41	0502-347	1	Bracket, Actuator
12	1402-079	1	ø Pin	42	1402-011	1	Seal
13	1402-042	1	ø Collar, Sliding	43	1502-085	1	Shaft, Input - Assembly
14	1402-054	1	ø Fork	44	0402-997	1	Shaft, Selector
15	1402-058	2	ø Ring, Retaining	45	0402-998	1	Fork, Selector
16	1402-057	1	ø Spring	46	0402-417	1	Shaft, Shuttle
17	1402-055	1	ø Shaft, Lock	47	0423-402	1	Ring, Retaining
18	1402-063	1	ø Spring	48	0423-147	1	O-Ring
19	0402-419	1	ø Switch, Indicator	49	0402-999	1	Spring, Return
20	0423-133	1	ø O-Ring	50	0502-579	1	Actuator (inc. one No. 51)
21	0402-333	1	ø Plug, Oil Level (inc. 22)	51	0423-498	2	ø O-Ring
22	0423-154	1	ø ø O-Ring	52	0423-396	3	Screw, Self-Tapping



REAR DRIVE GEARCASE ASSEMBLY

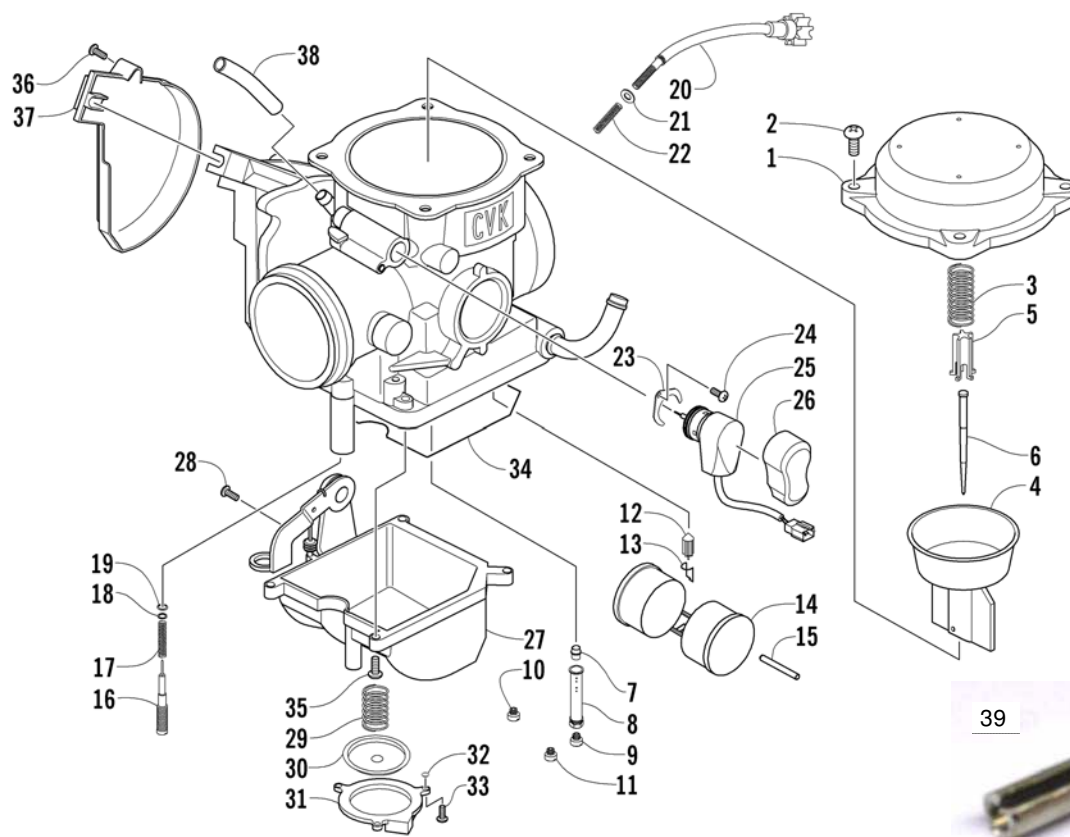
(Complete Assembly p/n 1502-128)

0742-695

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-548	1	Housing, Gearcase	15	0402-326	1	Button, Thrust
2	1402-442	1	Fitting, 90°	16	0402-411	1	Pin, Dowel
3	0402-405	AR	Shim	17	0402-328	1	Bearing
	0402-406	AR	Shim	18	0502-649	1	Gear, Pinion - Assembly - 9T (inc. 19-20)
	0402-407	AR	Shim	19	0402-327	1	ø Bearing
	0402-408	AR	Shim	20	0402-336	1	ø Collar, Retaining
	0402-409	AR	Shim	21	0402-357	1	Collar, Lock
4	1402-441	2	Seal	22	0423-633	1	O-Ring
5	0402-393	2	Bearing	23	0423-546	1	Ring, Retaining
6	0423-149	1	O-Ring	24	0402-947	1	Gasket
7	1402-245	1	Gear, Rear - 36T	25	0502-746	1	Housing, Pinion
8	0502-741	1	Cover, Gearcase	26	0402-324	1	Bearing
9	0402-333	1	Plug, Fill (inc. 10)	27	0402-347	1	Ring, Retaining
10	0423-154	1	ø O-Ring	28	1402-314	1	Seal
11	0402-450	1	Plug, Magnetic (inc. 12)				
12	0423-153	1	ø O-Ring				
13	0423-118	11	Screw, Self-Tapping				
14	0402-429	AR	Shim				
	0402-430	AR	Shim				
	0402-431	AR	Shim				
	0402-432	AR	Shim				
	0402-433	AR	Shim				

0742-545

28

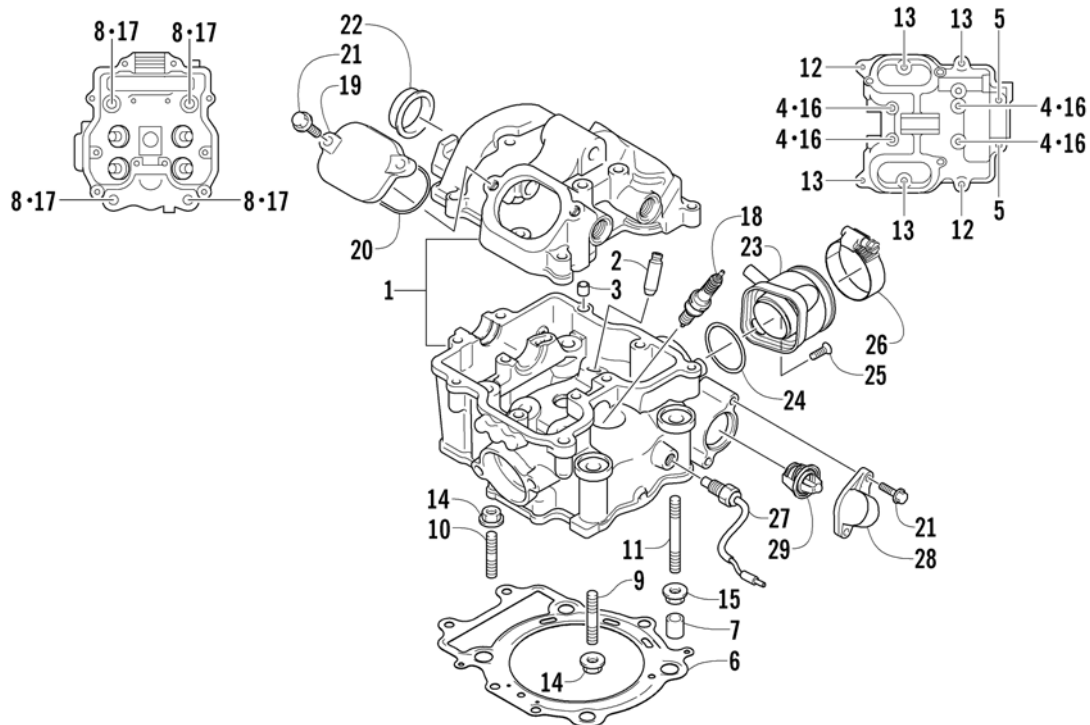


CARBURETOR

CVK36-AE (Complete Assembly p/n 0470-742)

0741-115 *Not a Service Part **Optional

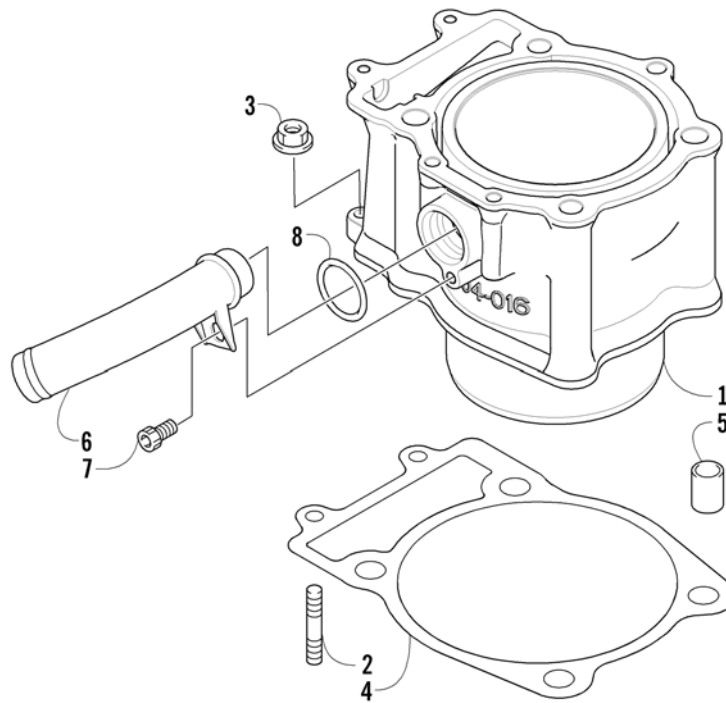
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-001	1	Cover, Top	18	*	1	Ø Washer
2	5507-002	4	Screw, Top Cover	19	*	1	Ø O-Ring
3	5507-066	1	Spring	20	5507-027	1	Screw, Idle Adjust
4	5507-099	1	Piston, Vacuum	21	5507-028	1	Washer
5	5507-005	1	Seat, Spring	22	5507-029	1	Spring
6	5507-201	1	Jet Needle	23	5507-115	1	Plate
7	5507-007	1	Needle Jet	24	5507-117	1	Screw
8	5507-047	1	Holder, Needle Jet	25	5507-204	1	Choke, Electric
9	5507-076	1	Main Jet - 138	26	5507-114	1	Cover, Electric Choke
	5507-075	1	Main Jet - 132**	27	<u>5507-214</u>	1	Chamber, Float - Assembly (inc. 28-34)
	5507-074	1	Main Jet - 130**	28	5507-050	1	Ø Screw, Drain
	5507-057	1	Main Jet - 135**	29	<u>5507-211</u>	1	Ø Spring
	5507-073	1	Main Jet - 140**	30	5507-197	1	Ø Diaphragm Assembly - Pump Housing
	5507-043	1	Main Jet - 142**	31	5507-198	1	Ø Housing, Pump
10	5507-070	1	Slow Jet	32	5507-034	1	Ø U-Ring
11	5507-112	1	Starter Jet - 85	33	5507-035	3	Ø Screw
12	5507-183	1	Valve, Float - Set (inc. 13)	34	5507-067	1	Ø O-Ring, Float Chamber
13	*	1	Ø Clip	35	5507-017	4	Screw
14	5507-039	1	Float Set (inc. 15)	36	5507-037	1	Screw
15	*	1	Ø Pin, Float	37	5507-036	1	Cover
16	<u>5507-213</u>	1	Screw, Pilot - Set (inc. 17-19)	38	0410-056	1	Hose, Vent
17	*	1	Ø Spring	39	AC008-229	1	Restrictor (wie 650 HI)



CYLINDER HEAD ASSEMBLY

0741-101

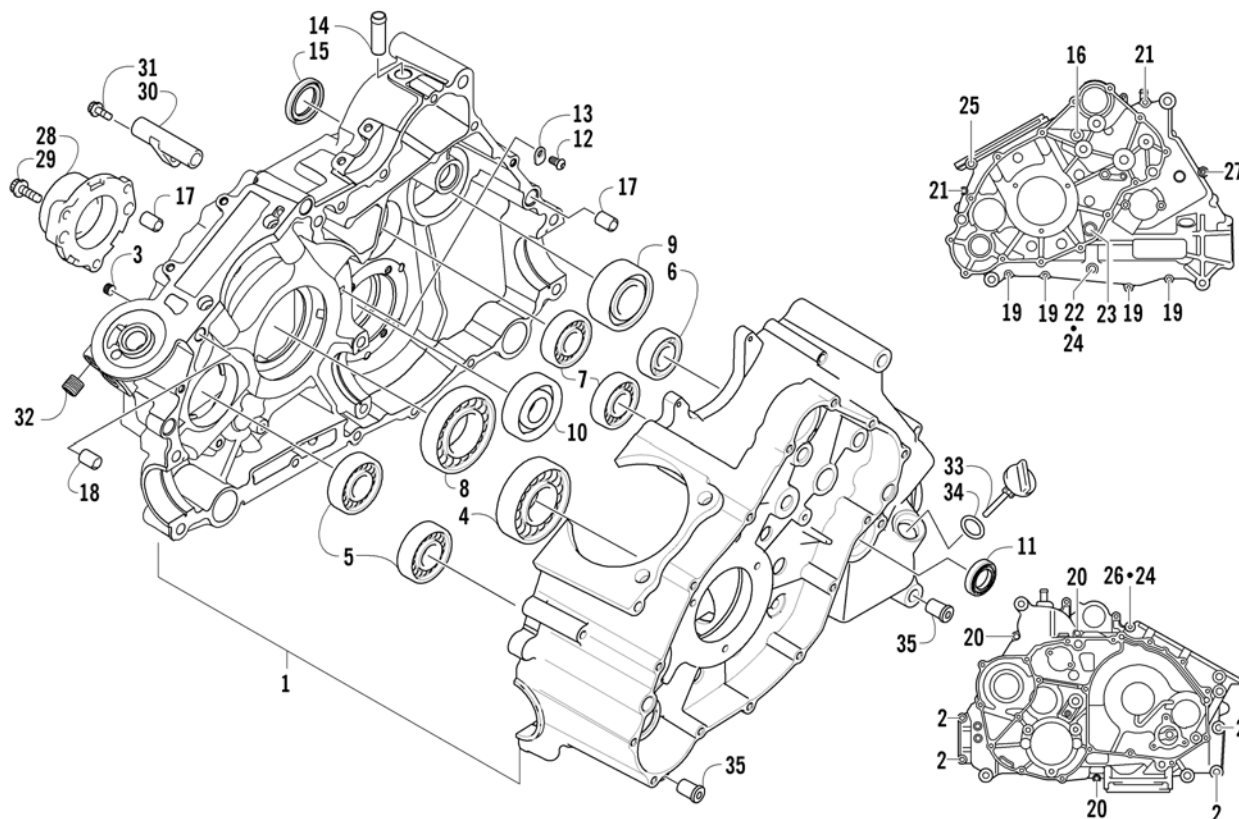
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0808-047	1	Head, Cylinder - Assembly (inc. 2-4)	16	0830-107	4	Gasket - Seal, Fastener
2	0808-002	4	ø Guide, Valve	17	0830-147	4	Washer, Crush
3	0829-001	2	ø Dowel, Sleeve	18	0217-727	1	Spark Plug (RG6YC)
4	0826-001	4	ø Screw, Cap	19	0808-003	2	Cap, Inspection
5	0826-002	2	Screw, Cap	20	0830-167	2	O-Ring
6	0830-085	1	Gasket, Cylinder Head	21	0826-007	6	Screw, Cap
7	0829-002	2	Pin, Dowel	22	0808-077	1	Plug, Cylinder Head
8	0808-037	4	Screw, Cap	23	0570-115	1	Pipe, Intake - Assembly
9	0827-030	2	Bolt, Stud	24	0830-090	1	O-Ring
10	0827-002	2	Bolt, Stud	25	0826-008	2	Screw, Machine
11	0827-031	1	Bolt, Stud	26	0423-317	1	Clamp, Intake Pipe
12	0826-005	2	Screw, Cap	27	0808-127	1	Switch, Water Temperature - Assembly
13	0826-006	4	Screw, Cap	28	0808-008	1	Cover, Thermostat
14	8424-604	4	Nut	29	0808-078	1	Thermostat
15	8424-804	1	Nut				



CYLINDER ASSEMBLY

0739-929

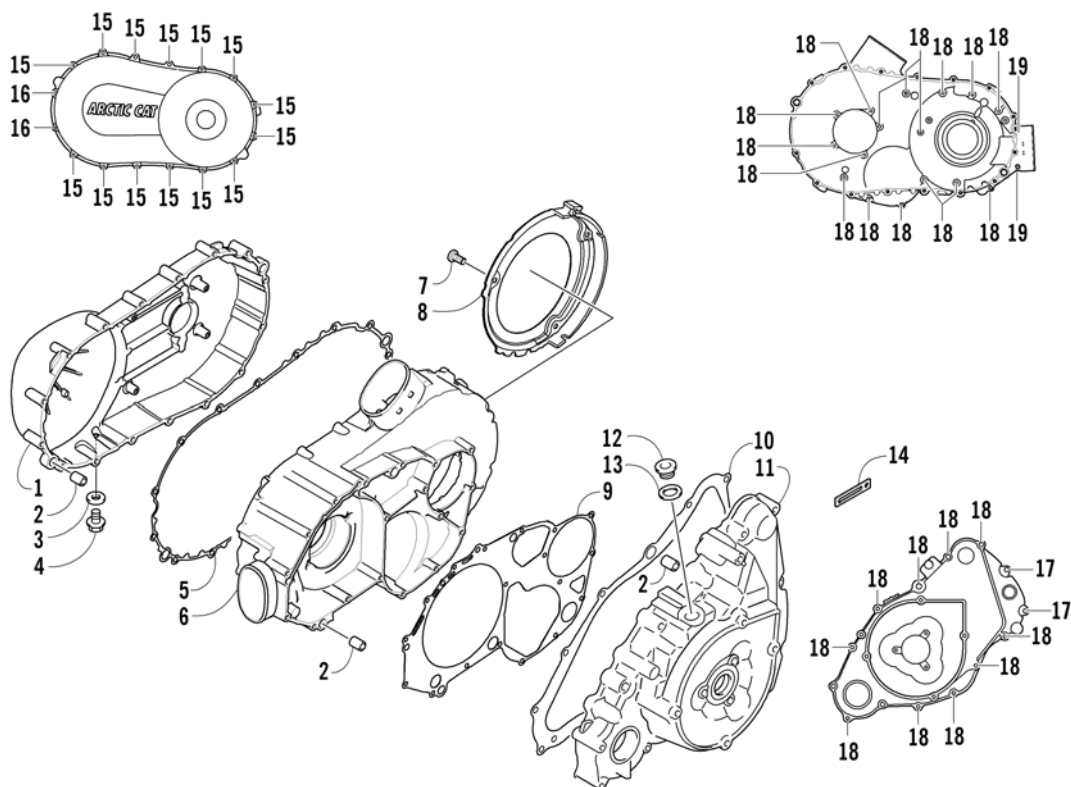
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0804-016	1	Cylinder	5	0829-002	2	Pin, Dowel
2	0827-002	2	Bolt, Stud	6	0804-002	1	Union, Water Hose
3	8424-604	2	Nut	7	8468-612	1	Screw, Machine
4	0830-084	1	Gasket, Base	8	0830-007	1	O-Ring



CRANKCASE ASSEMBLY

0742-514

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0801-096</u>	1	Crankcase Assembly (inc. four No. 2 and 3-15)	18	0829-003	1	Pin, Dowel
2	<u>8412-850</u>	4	Ø Screw, Cap	19	8468-645	4	Screw, Machine
3	0801-002	1	Ø Plug	20	8468-655	3	Screw, Machine
4	0832-043	1	Ø Bearing	21	8468-675	2	Screw, Machine
5	0832-044	2	Ø Bearing	22	8412-860	1	Screw, Cap
6	0832-049	1	Ø Bearing	23	0826-017	1	Screw, Cap
7	0832-050	2	Ø Bearing	24	0830-008	2	Gasket
8	0832-042	1	Ø Bearing	25	0826-019	1	Screw, Cap
9	0832-048	1	Ø Bearing, Driveshaft	26	0826-018	1	Screw, Cap
10	0832-015	1	Ø Bearing	27	8468-695	1	Screw, Machine
11	0822-052	1	Ø Seal, Countershaft	28	0801-006	1	Housing, Secondary Shaft Bearing
12	0826-100	4	Ø Screw, Cap	29	0826-105	3	Bolt
13	0822-010	4	Ø Retainer, Bearing	30	0801-069	1	Pipe, Breather
14	0801-028	1	Ø Pipe, Breather	31	0826-038	1	Bolt, Breather Pipe
15	0830-035	1	Ø Seal, Driveshaft	32	0812-064	2	Plug
16	8468-680	1	Screw, Machine	33	0801-073	1	Stick, Oil Level
17	0829-002	5	Pin, Dowel	34	0830-010	1	O-Ring, Oil Level Stick
				35	0801-108	4	Bushing, Engine Mounting

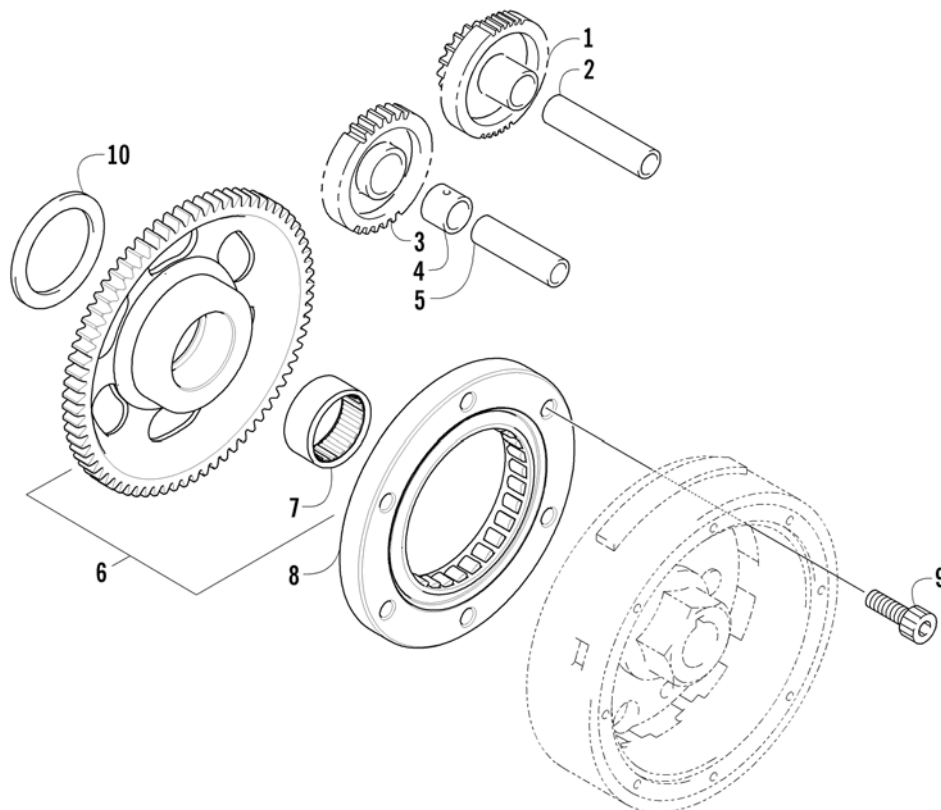


CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0741-709

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0806-088	1	Cover, V-Belt	11	0806-094	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, Machine	17	8468-625	2	Screw, Machine
8	0806-048	1	Seal, 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				

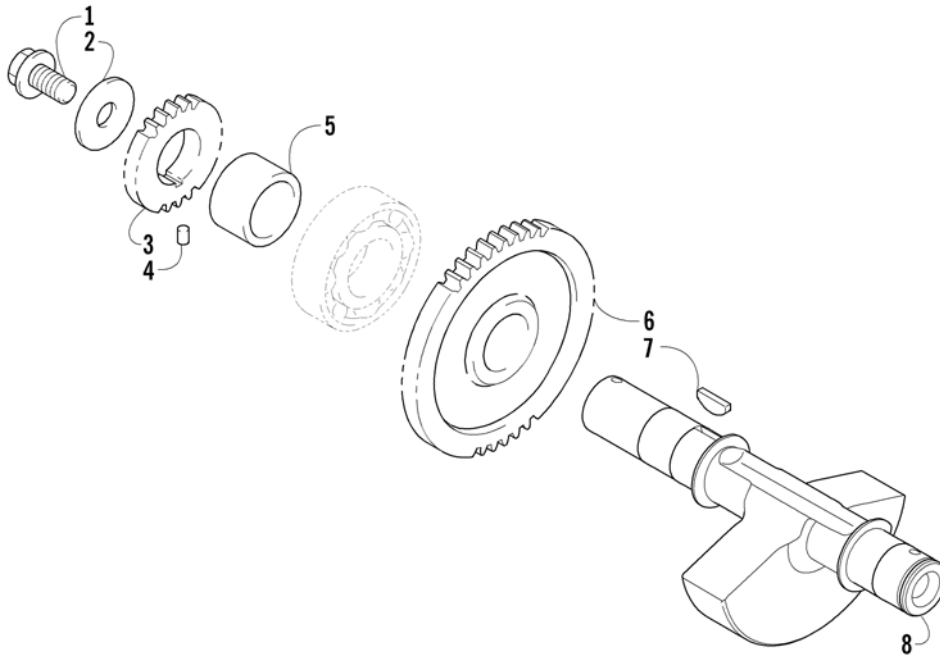
34



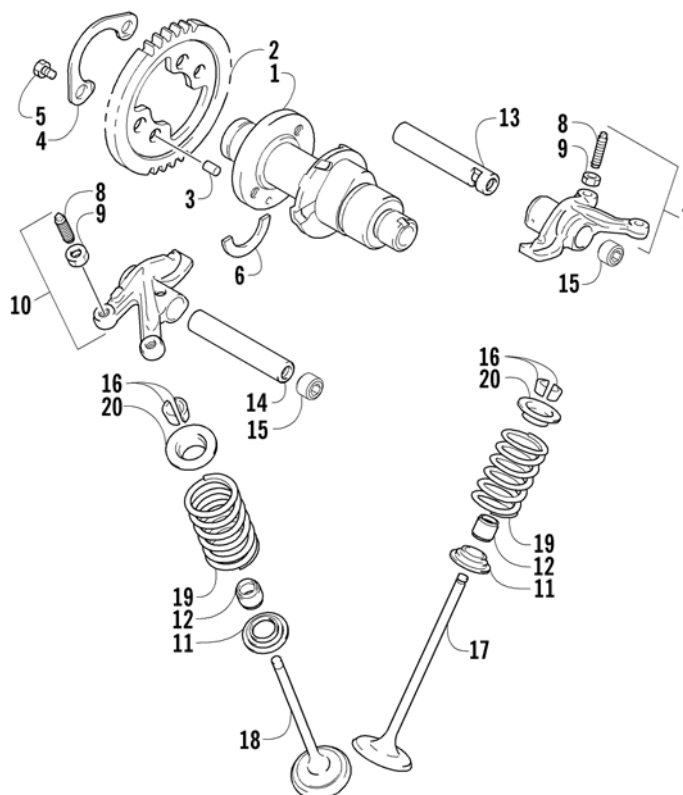
STARTER CLUTCH ASSEMBLY

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	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, Machine
5	0829-032	1	Shaft, Starter Gear	10	0828-094	1	Washer



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	8	0811-017	1	Balancer, Crank

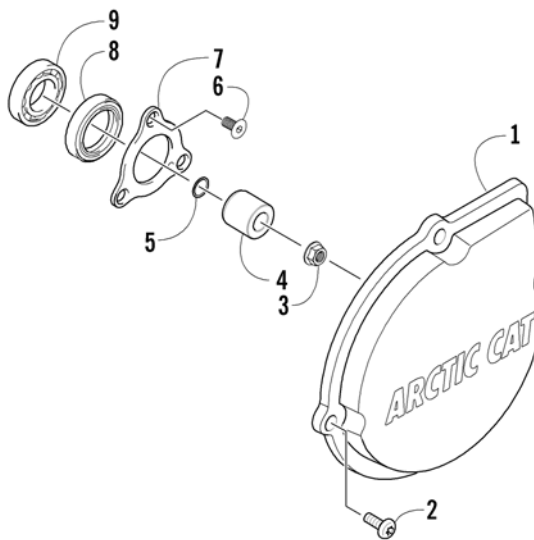


CAMSHAFT/VALVE ASSEMBLY

0739-942

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

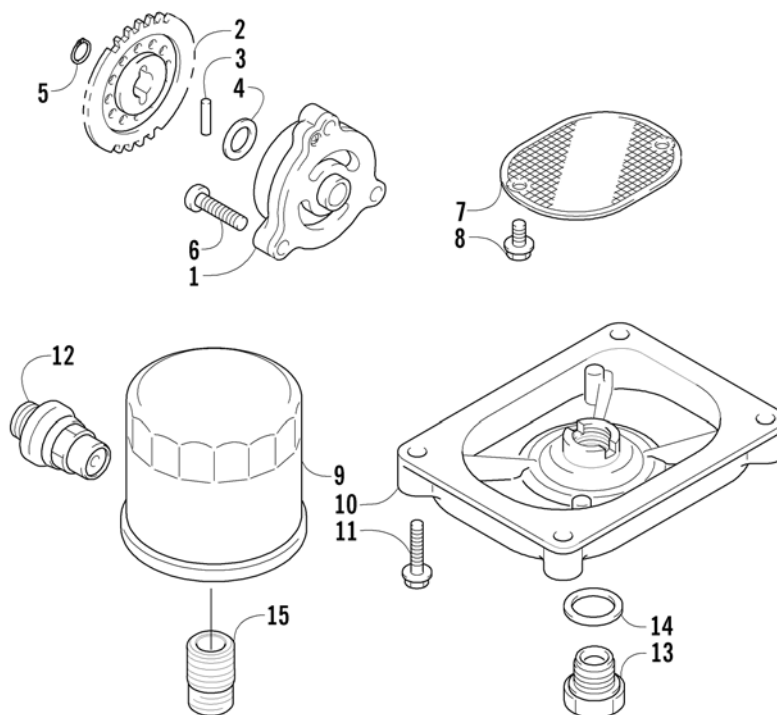
38



OUTER MAGNETO COVER ASSEMBLY

0742-516

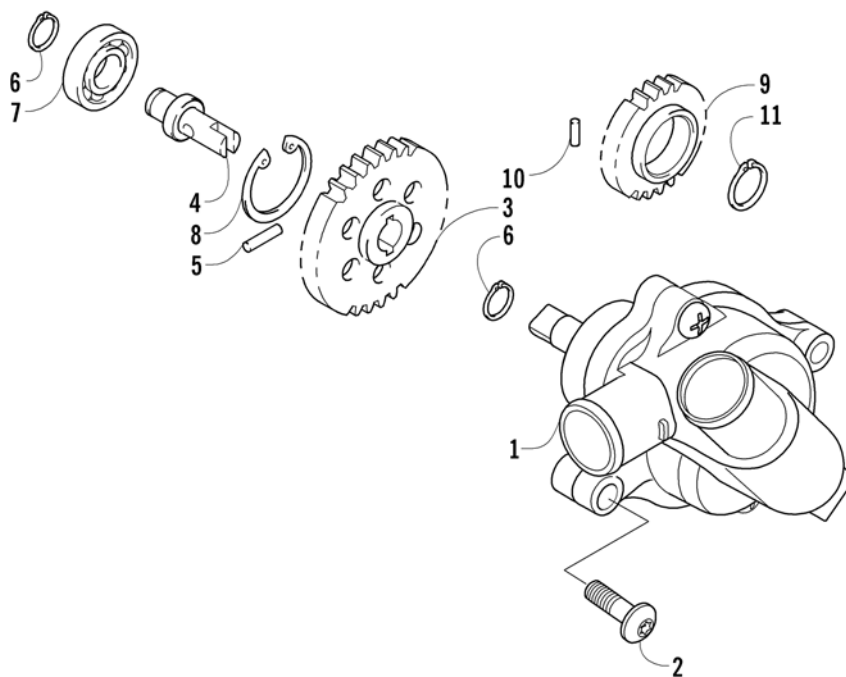
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0820-062	1	Cover, Magneto - Outer	6	0826-031	3	Screw
2	0826-008	4	Screw, Machine	7	0805-008	1	Retainer, Oil Seal
3	0827-008	1	Nut	8	0830-158	1	Seal, Oil
4	0820-061	1	Bushing	9	0832-045	1	Bearing
5	0830-108	1	O-Ring				



OIL FILTER/PUMP ASSEMBLY

0742-656

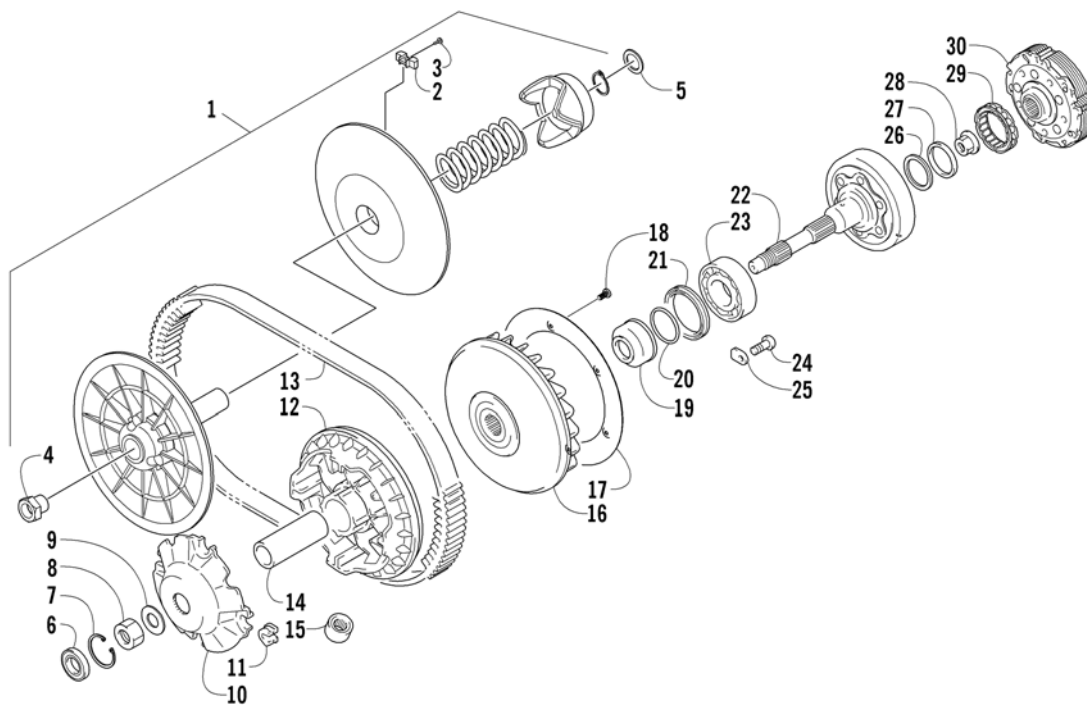
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0812-023	1	Pump, Oil	9	0812-029	1	Filter, Oil
2	0812-002	1	Gear, Driven	10	0812-053	1	Cap, Oil Strainer
3	0829-009	1	Pin	11	8468-625	4	Screw, Machine
4	0828-007	1	Washer	12	0812-007	1	Valve, Oil-Relief - Assembly
5	0831-002	1	Circlip	13	0812-006	1	Plug, Drain
6	0826-039	3	Screw, Cap	14	0830-017	1	Gasket, Drain Plug
7	0812-057	1	Strainer, Oil	15	0812-008	1	Union, Oil Filter
8	0826-040	2	Screw, Machine				



WATER PUMP ASSEMBLY

0739-945

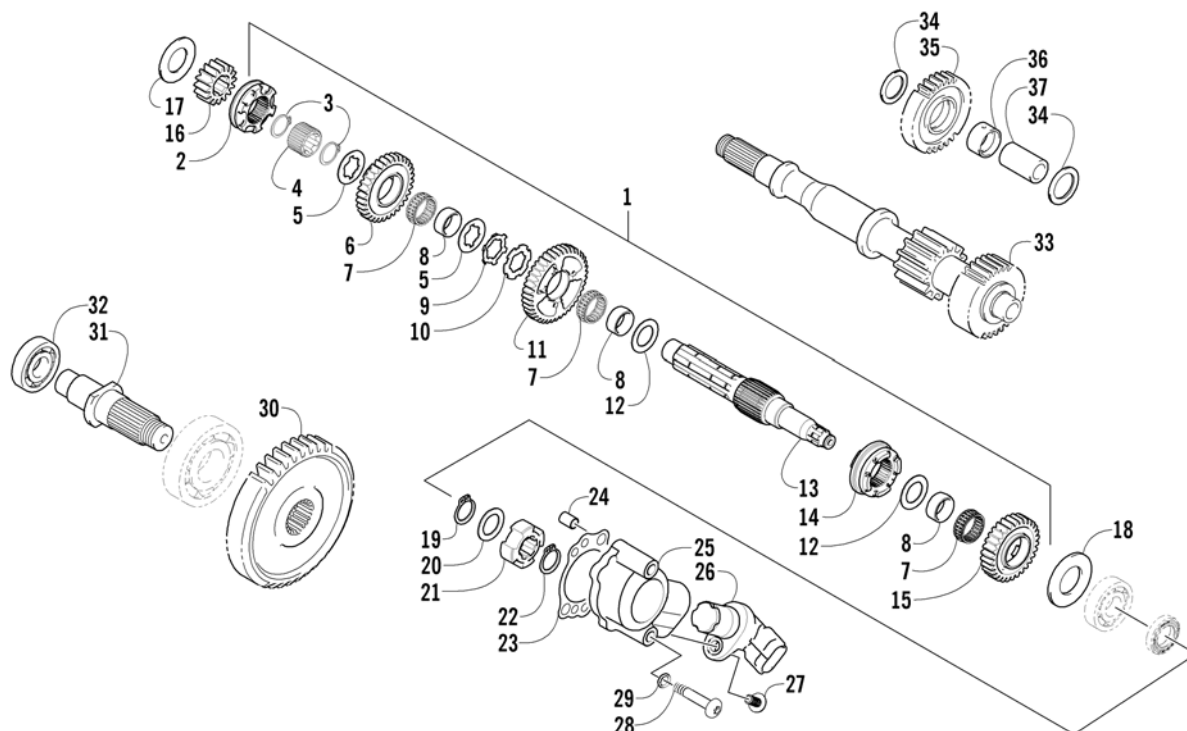
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0813-001	1	Pump, Water - Assembly	7	0832-046	1	Bearing, Shaft
2	8468-665	2	Screw, Machine	8	0831-004	1	Circlip, Shaft Bearing
3	0813-004	1	Gear, Driven	9	0811-003	1	Gear, Water Pump Drive
4	0813-005	1	Shaft, Driven Gear	10	0829-007	1	Pin,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



TRANSMISSION ASSEMBLY

0742-517

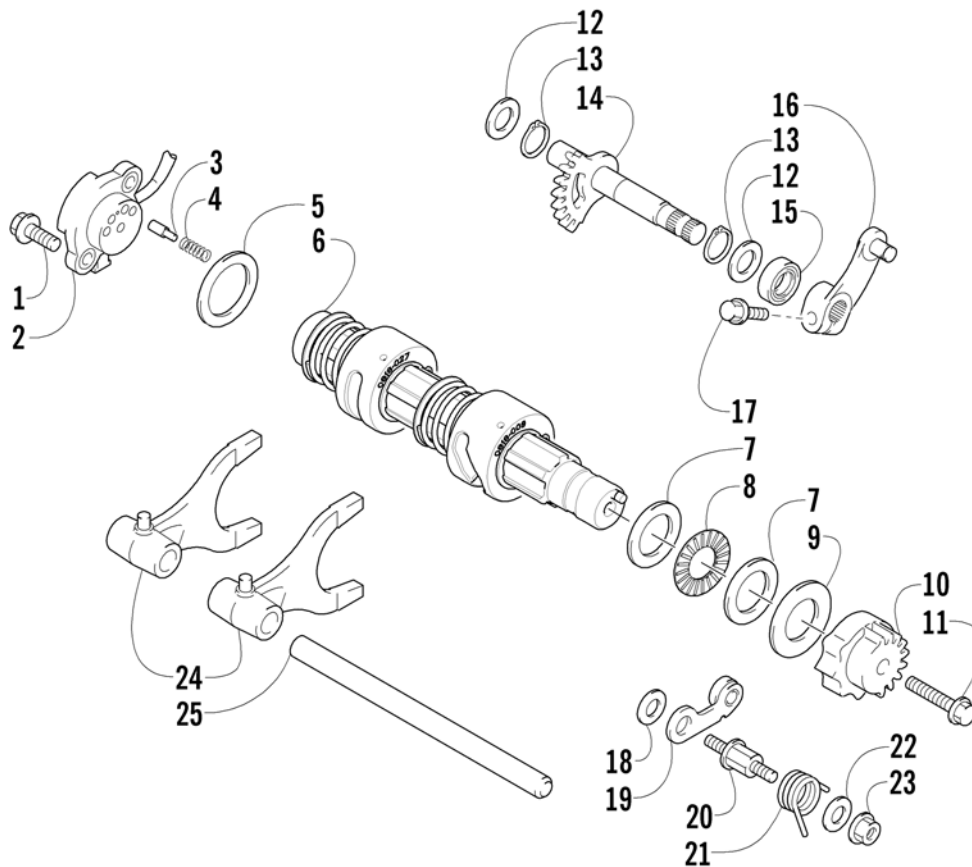
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0823-254	1	Pulley, Driven - Assembly (inc. 2-4)	16	0823-156	1	Face, Fixed Drive
2	0823-176	3	ø Shoe, Cam	17	0823-131	1	Shroud, Drive Face
3	0823-177	3	ø Screw, Cam	18	0623-914	6	Screw, Self-Tapping
4	0823-178	1	ø Nut, Driven Pulley	19	0823-015	1	Spacer, Fixed Drive Face
5	0828-076	1	Shim	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
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	Belt, Drive	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	30	0823-098	1	Clutch, Centrifugal - 6 Plate



SECONDARY TRANSMISSION ASSEMBLY

0742-518

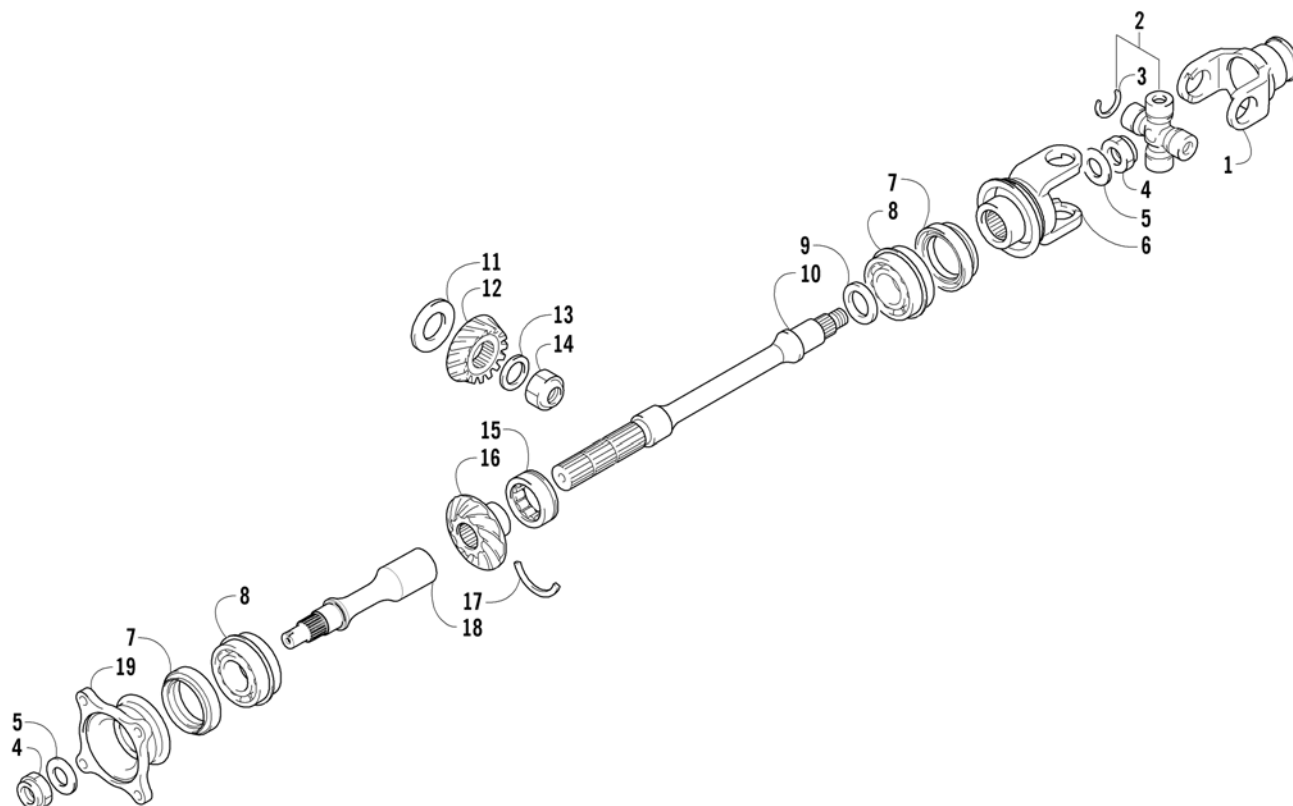
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0822-091	1	Countershaft Assembly (inc. 2-15)	20	0828-069	1	Washer, Thrust
2	0822-014	1	ø Dog, Reverse Driven Gear	21	0822-050	1	Trigger, Speedometer Sensor
3	0831-011	2	ø Circlip	22	0831-040	1	Ring, Retaining
4	0822-045	1	ø Spacer, Reverse Driven Gear	23	0830-129	1	Gasket
5	0828-008	2	ø Washer	24	0829-023	2	Pin, Dowel
6	0822-013	1	ø Gear, Reverse Driven	25	0822-049	1	Housing, Speedometer Sensor
7	0832-011	3	ø Bearing	26	0824-042	1	Sensor, Speedometer
8	0822-005	3	ø Bushing	27	8468-620	1	Screw, Machine
9	0828-014	1	ø Washer, Lock	28	8468-645	2	Screw, Machine
10	0828-015	1	ø Washer, Lock	29	0830-107	2	Seal, Fastener
11	0822-004	1	ø Gear, Driven - Low	30	0822-009	1	Gear, Driven
12	0822-046	2	ø Washer, Driven Gear	31	0822-067	1	Shaft, Output
13	0822-003	1	ø Countershaft	32	0832-014	1	Bearing
14	0822-007	1	ø Dog, Sliding	33	0822-001	1	Driveshaft
15	0822-006	1	ø Gear, Driven - High	34	0828-016	2	Washer, Reverse Idle Gear
16	0822-008	1	Gear, Drive	35	0822-011	1	Gear, Reverse Idle
17	0828-010	1	Washer, Drive Gear - Right	36	0822-012	1	Bushing, Reverse Idle Gear
18	0828-011	1	Washer, Drive Gear - Left	37	0822-015	1	Shaft, Reverse Idle
19	0831-039	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				



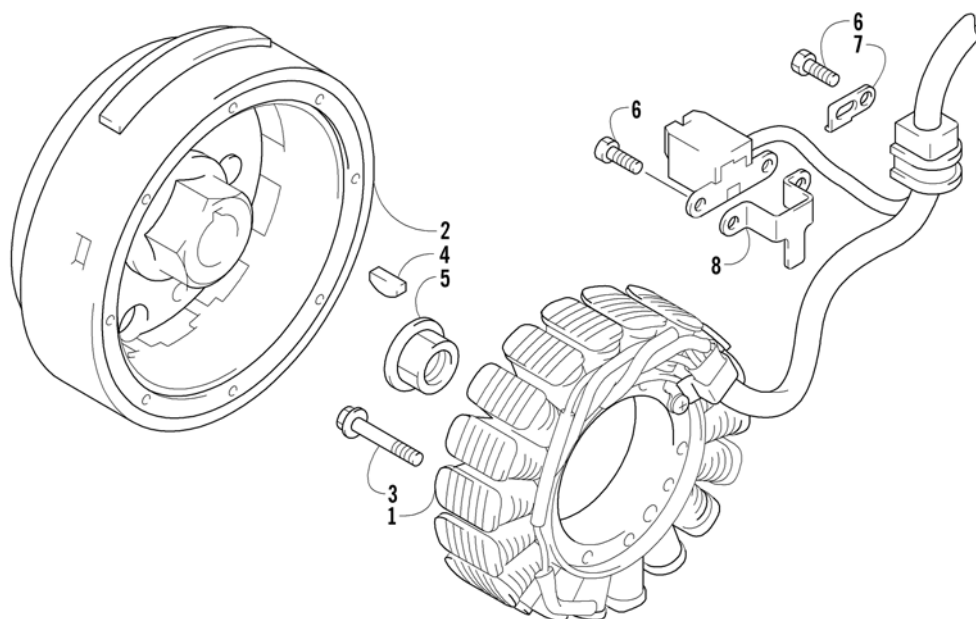
SECONDARY DRIVE ASSEMBLY

0742-519

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-829	1	Yoke, Propeller Shaft Joint	11	0828-030	AR	Shim, 24 x 48 x 0.25 mm
2	<u>0402-944</u>	1	Joint, Universal - Set (inc. 3)		0828-031	AR	Shim, 24 x 48 x 0.30 mm
3	0423-395	4	ø Retainer, Universal Joint		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	0502-828	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				



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0825-011	1	Motor, Starter - Assembly	3	0623-038	1	Nut w/Washer
2	8468-630	2	Screw, Machine				



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	0802-014	1	Magneto - Assembly	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