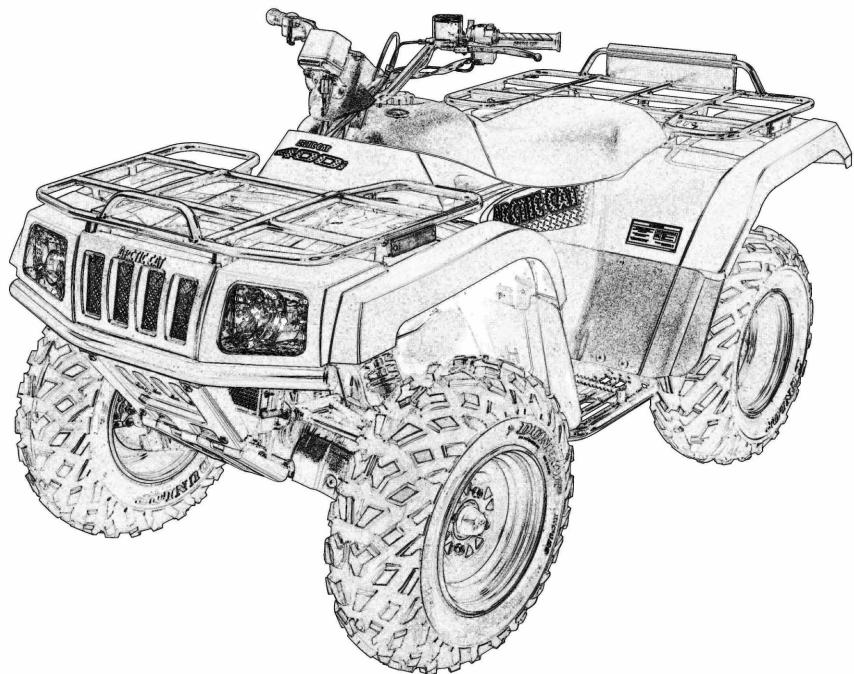


ATV
Illustrated Parts Manual
2003 ARCTIC CAT®



400 4x4
(Automatic Transmission)

Model No. A2003ATH4BUSR (Red)
Model No. A2003ATH4BUSG (Green)

TABLE OF CONTENTS

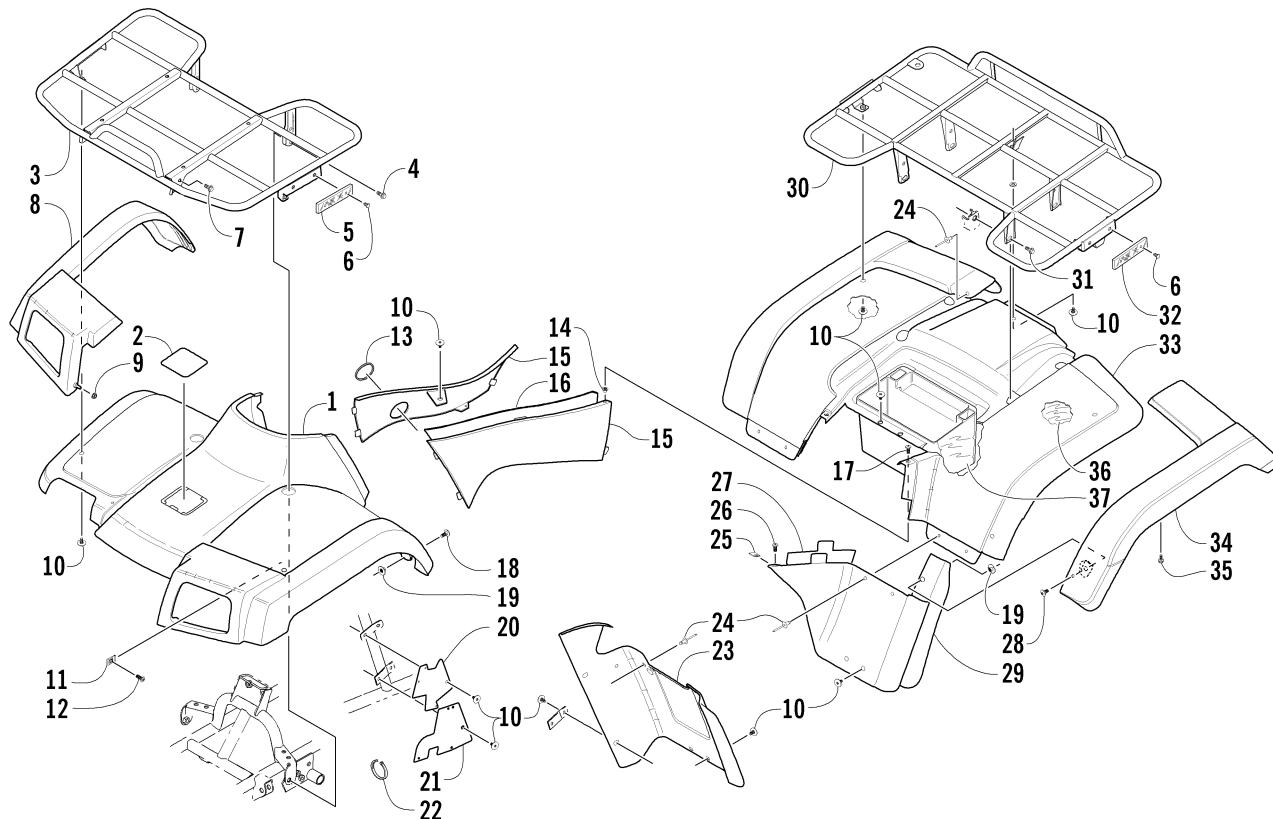
2003 ATV 400 4x4 (Automatic Transmission)

Red (Model No. A2003ATH4BUSR)

Green (Model No. A2003ATH4BUSG)

BODY PANEL ASSEMBLY	1
TAILLIGHT ASSEMBLY.....	2
DECALS	3
FRAME AND RELATED PARTS	4
SEAT ASSEMBLY	5
STEERING ASSEMBLY.....	6
FRONT SUSPENSION ASSEMBLY	7
REAR SUSPENSION ASSEMBLY	8
WHEEL AND TIRE ASSEMBLY	9
AUXILIARY BRAKE ASSEMBLY.....	10
HYDRAULIC HAND BRAKE ASSEMBLY	11
HYDRAULIC BRAKE ASSEMBLY	12
GAS TANK ASSEMBLY.....	13
REVERSE SHIFT LEVER ASSEMBLY	14
FRONT DRIVE SHIFT LINKAGE ASSEMBLY.....	15
AIR INTAKE ASSEMBLY.....	16
STORAGE BOX AND BATTERY ASSEMBLY.....	17
ENGINE AND EXHAUST.....	18
OIL COOLER ASSEMBLY.....	19
CASE/BELT COOLING ASSEMBLY	20
FRONT DRIVE GEARCASE ASSEMBLY	21
REAR DRIVE GEARCASE ASSEMBLY	22
REAR AXLE ASSEMBLY.....	23
WIRING HARNESS ASSEMBLY.....	24
CARBURETOR	25
CYLINDER HEAD ASSEMBLY	26
CYLINDER ASSEMBLY.....	27
CRANKCASE ASSEMBLY.....	28
CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY	29
CRANKSHAFT ASSEMBLY.....	30
STARTER CLUTCH ASSEMBLY.....	31
CRANK BALANCER ASSEMBLY	32
CAMSHAFT/VALVE ASSEMBLY.....	33
CAM CHAIN ASSEMBLY.....	34
RECOIL STARTER ASSEMBLY	35
OIL FILTER/PUMP ASSEMBLY	36
TRANSMISSION ASSEMBLY	37
SECONDARY TRANSMISSION ASSEMBLY	38
SECONDARY DRIVE ASSEMBLY	39
GEAR SHIFTING ASSEMBLY.....	40
STARTER MOTOR ASSEMBLY	41
MAGNETO ASSEMBLY.....	42
CONTROL SWITCH HOUSING ASSEMBLY	43
THROTTLE CASE ASSEMBLY.....	44
RELATED ITEMS	Back Cover

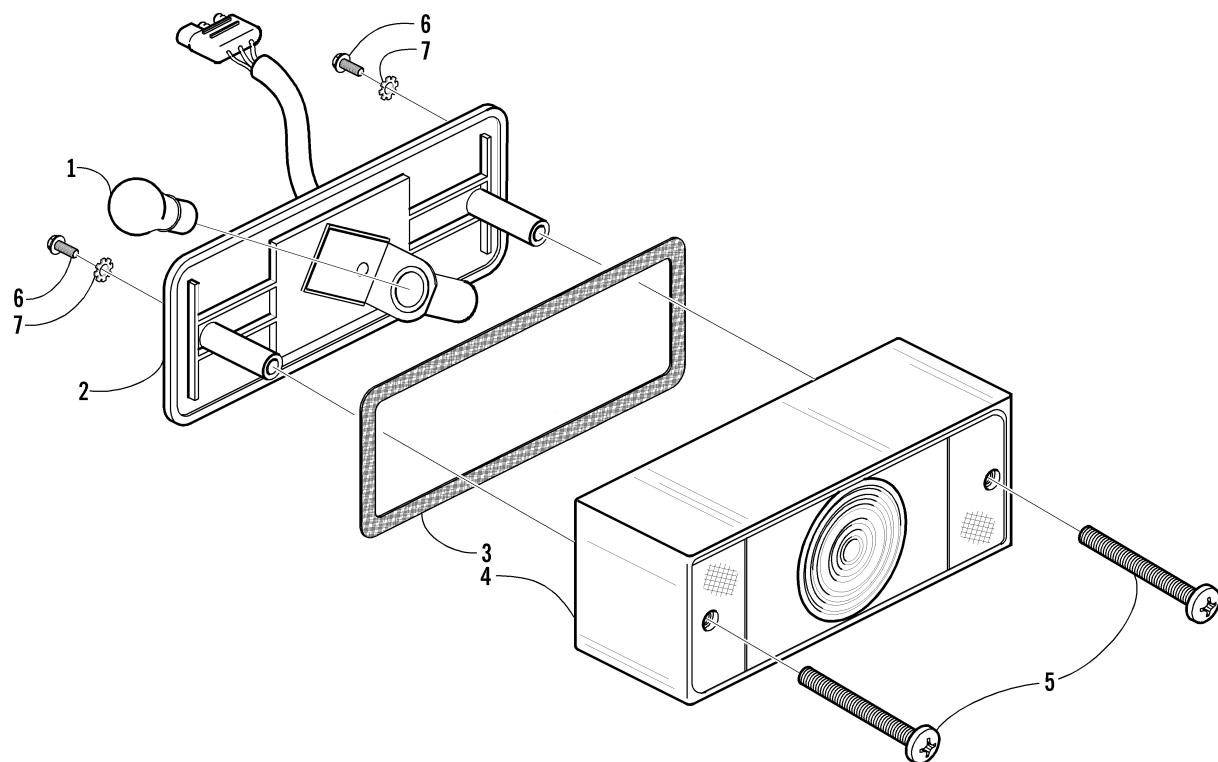
■ NOTE: The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2003 model year.



BODY PANEL ASSEMBLY

0737-567

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-616	1	Panel, Fender - Front (inc. 2)	19	0423-077	4	T-Nut w/Teeth
	0506-584	1	Panel, Fender - Front (inc. 2) (Green)	20	1406-063	1	Panel, Fender - Inner - Right
2	1406-142	1	● Cover, Access		1406-064	1	Panel, Fender - Inner - Left
	1406-141	1	● Cover, Access (Green)	21	1406-006	2	Panel, Fender - Inner
3	0506-547	1	Rack - Front	22	0123-788	AR	Cable Tie - 7.5 in.
4	8408-816	2	Screw, Cap	23	0406-941	1	Panel, Kick - Right
5	0606-526	2	Reflector, Front - Amber		0506-626	1	Panel, Kick - Left
6	0623-269	8	Clip, Retaining	24	0423-046	AR	Rivet, Plastic
7	0423-360	2	Screw, Cap	25	0423-060	2	Clip, Tinerman
8	0506-550	1	Flare - Front - Right	26	0623-309	2	Screw, Self-Tapping
	0506-551	1	Flare - Front - Left	27	0412-140	1	Shield, Heat
9	0423-357	2	Nut, Stamped	28	0423-355	2	Screw, Shoulder
10	0423-101	AR	Screw, Body	29	0506-750	1	Fender Extension - Rear - Right
11	0423-031	2	Nut, Speed		0406-085	1	Fender Extension - Rear - Left
12	8477-616	2	Screw, Machine	30	0506-821	1	Rack - Rear
13	0470-404	1	Grommet, Fuel Shut-Off Valve	31	8409-020	4	Screw, Cap
14	0123-010	2	Nut, Expansion	32	0606-029	2	Reflector, Rear - Red
15	0506-548	1	Panel, Side - Right	33	0506-620	1	Panel, Fender - Rear
	0506-243	1	Panel, Side - Left		0506-621	1	Panel, Fender - Rear (Green)
	0506-549	1	Panel, Side - Right (Green)	34	0506-552	1	Flare, Rear - Right
	0506-673	1	Panel, Side - Left (Green)		0506-553	1	Flare, Rear - Left
16	0412-142	1	Shield, Heat	35	0423-342	12	Screw, Self-Tapping
17	0423-068	2	Screw, Machine	36	0412-124	1	Shield, Heat
18	0423-356	2	Screw, Shoulder	37	0412-147	1	Shield, Heat

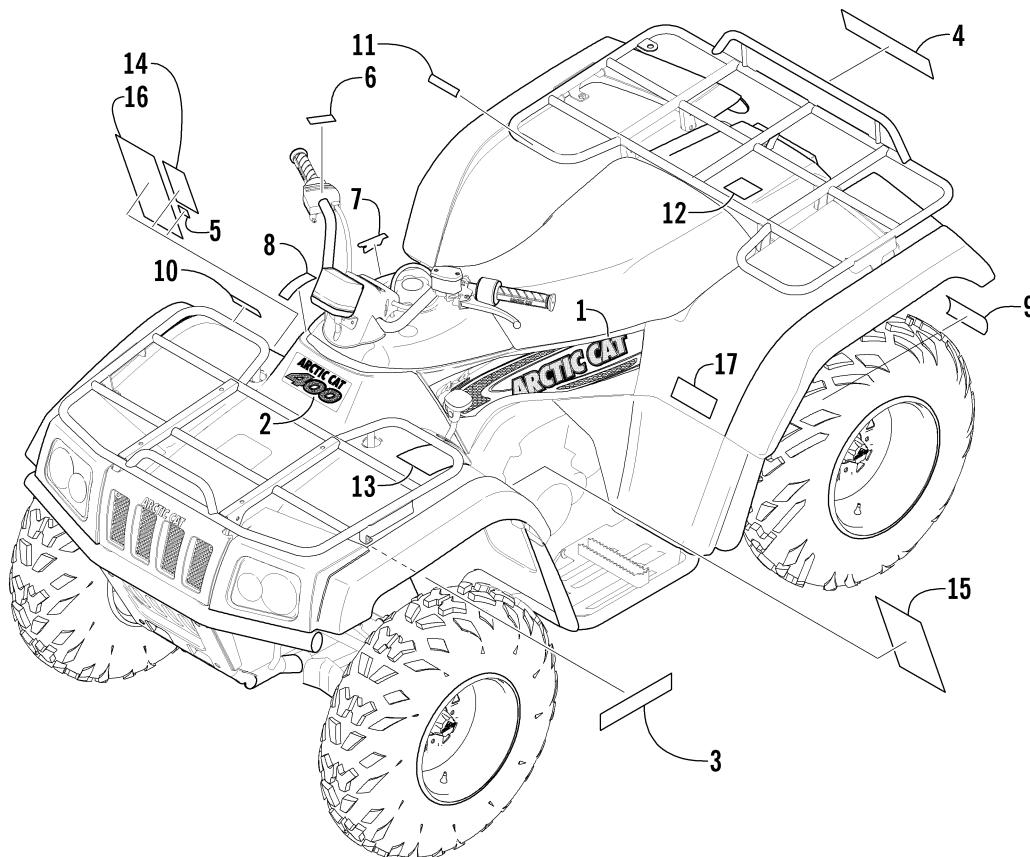


TAILLIGHT ASSEMBLY

(Complete Taillight Assembly p/n 0409-002)

0732-336

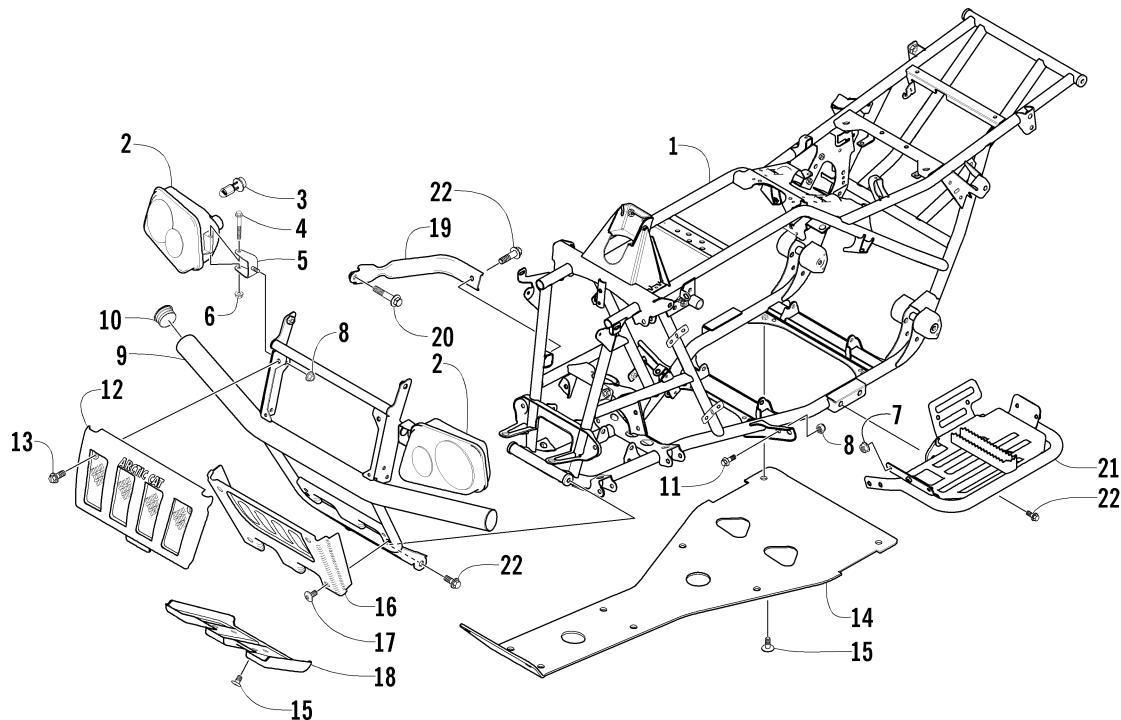
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0109-460	1	Bulb, Stop/Taillight	5	0409-010	2	Screw, Machine
2	0409-011	1	Taillight w/Socket Assembly	6	0623-301	2	Screw, Self-Tapping
3	0409-012	1	Gasket, Taillight Lens	7	8053-212	2	Washer, Lock - External Tooth
4	0409-007	1	Lens, Taillight				



DECALS

0737-559

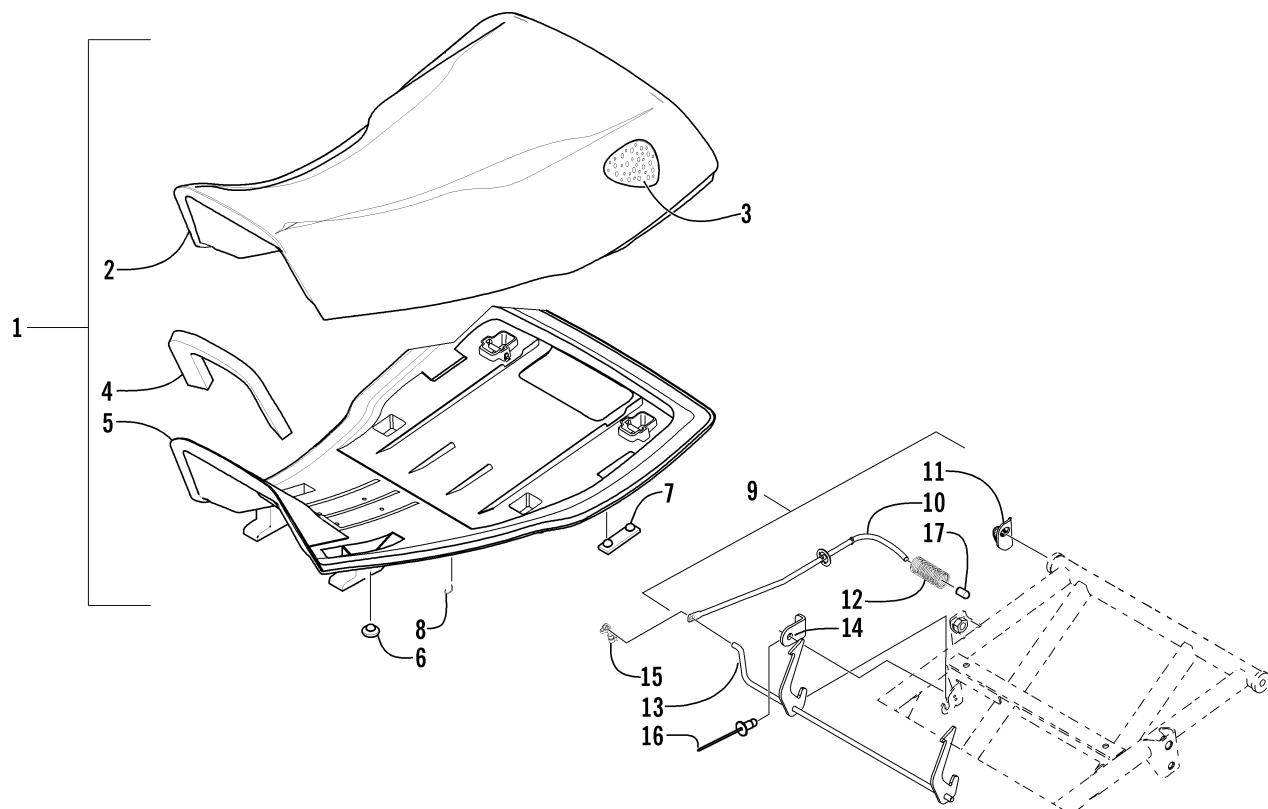
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0411-523</u>	1	Decal, Side - Right	8	0411-426	1	Decal, Warning - Clutch Cover
	<u>0411-524</u>	1	Decal, Side - Left	9	0411-267	1	Decal, Warning - Towing
	<u>0411-521</u>	1	Decal, Side - Right (Green)	10	0411-006	1	Decal, Warning - Front Rack Load
	<u>0411-522</u>	1	Decal, Side - Left (Green)	11	0411-007	1	Decal, Warning - Rear Rack Load
2	<u>0411-530</u>	1	Decal, Front	12	0411-435	1	Decal, Warning - Passenger
	<u>0411-529</u>	1	Decal, Front (Green)	13	0411-401	1	Decal, Warning - Age
3	<u>0411-504</u>	1	Decal, CA Emissions	14	0411-008	1	Decal, Warning - Reverse/Pre-Ride
4	<u>0411-501</u>	1	Decal, "Arctic Cat"	15	0411-218	1	Decal, Warning - General
5	<u>0411-011</u>	1	Decal, Caution - Electrical	16	0411-045	1	Decal, Warning - Turn
6	<u>0411-324</u>	1	Decal, Instruction - Start In Gear	17	0411-430	1	Decal, Warning - Tire Pressure
7	<u>0411-507</u>	1	Decal, "Duramatic"				



FRAME AND RELATED PARTS

0736-938

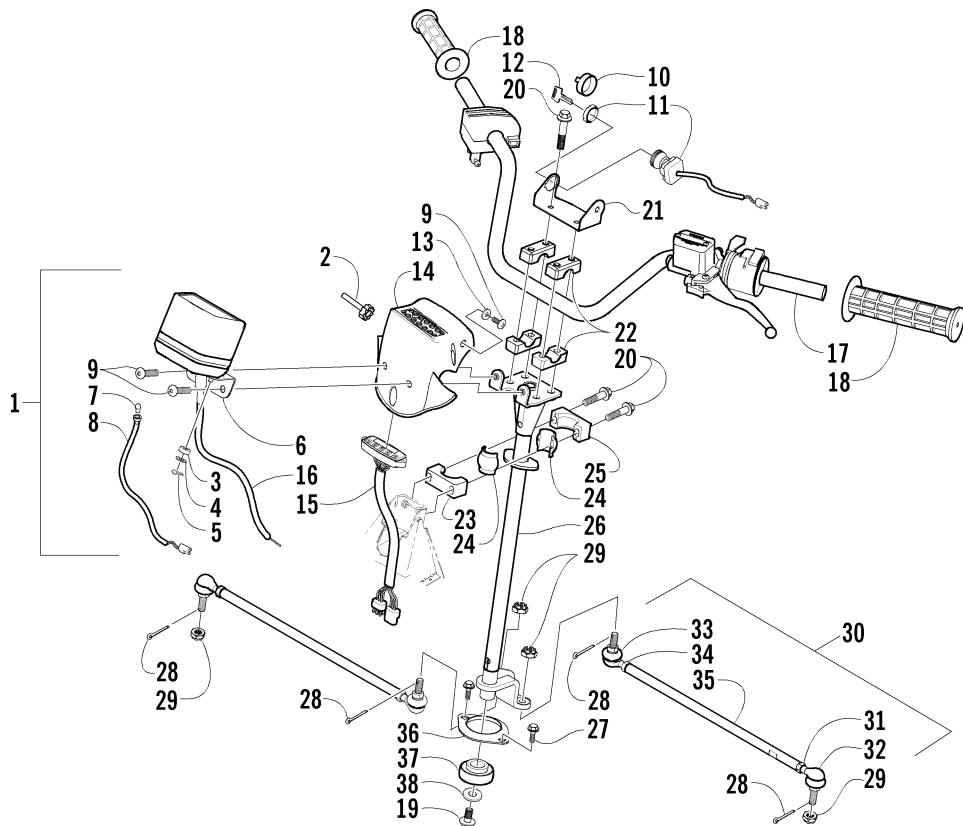
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0506-816</u>	1	Frame, Main	12	0406-832	1	Grille, Upper
2	0409-032	2	Headlight Assembly - Right (inc. 3-6)	13	0423-361	2	Screw, Machine
	0409-031	2	Headlight Assembly - Left (inc. 3-6)	14	0406-864	1	Panel, Belly
3	0409-045	4	● Bulb, Headlight	15	0423-101	AR	Screw, Body
4	8410-860	2	● Screw, Cap	16	0406-833	1	Grille, Lower
5	0406-945	2	● Bracket, Headlight Mounting	17	0423-362	4	Screw, Machine
6	0423-375	2	● Nut, Flange	18	0406-834	1	Plate, Skid
7	8424-602	2	Nut, Flange	19	0506-653	2	Channel, Bumper Mounting
8	8424-802	6	Nut	20	8408-812	2	Screw, Cap
9	0506-544	1	Bumper	21	0506-534	1	Footrest - Right
10	0406-130	2	Cap, Bumper		0506-728	1	Footrest - Left
11	8408-816	4	Screw, Cap	22	8409-020	8	Screw, Cap



SEAT ASSEMBLY

0737-561

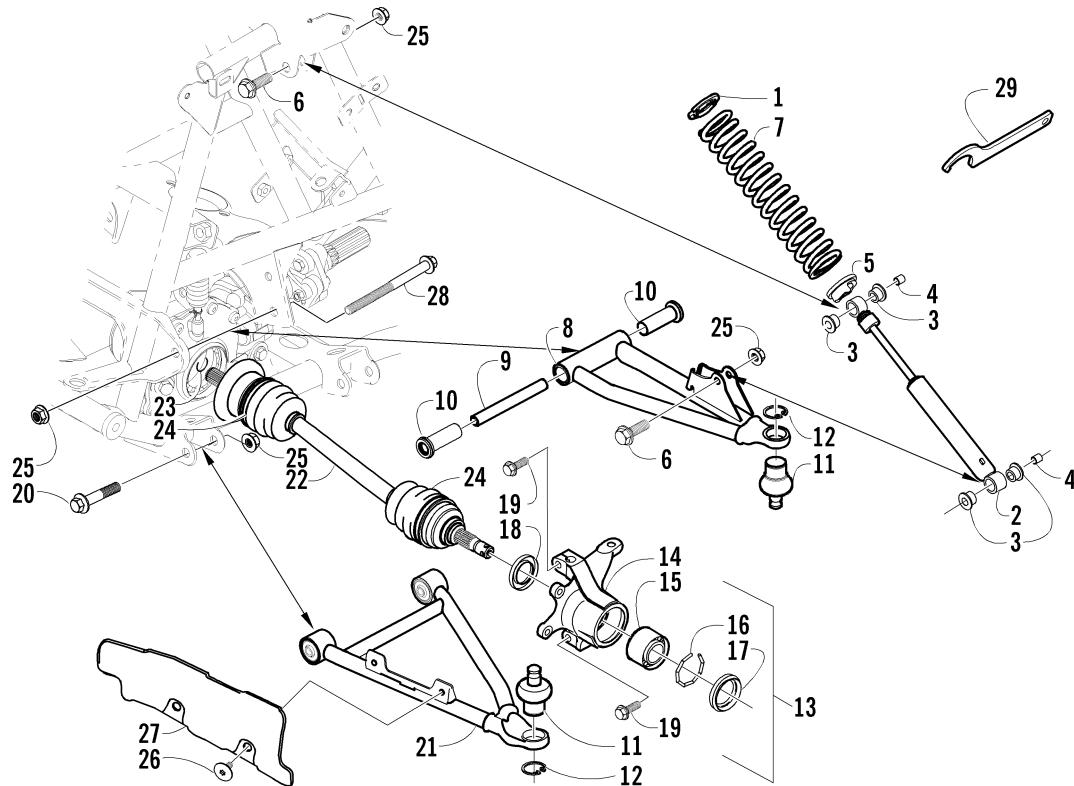
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-558	1	Seat Assembly (inc. 2-8)	10	0506-701	1	● Rod, Seat Release
2	0506-556	1	● Cover, Seat	11	1406-004	1	● Bracket, Seat Release
3	0506-555	1	● Foam, Seat	12	1406-005	1	● Spring, Seat Release
4	1406-060	1	● Foam, Sound	13	0506-796	1	Latch, Seat
5	0406-878	1	● Base, Seat Assembly (inc. 6-7)	14	1406-087	1	Plate, Retainer
6	0406-877	2	●● Bumper, Seat - Front	15	0423-358	1	Clip, Retainer
7	0406-879	2	●● Bumper, Seat - Rear	16	8060-284	1	Rivet
8	0624-100	AR	● Staple	17	0623-404	1	Cap, Protector
9	0506-702	1	Rod, Seat Release - Assembly (inc. 10-12)				



STEERING ASSEMBLY

0737-654

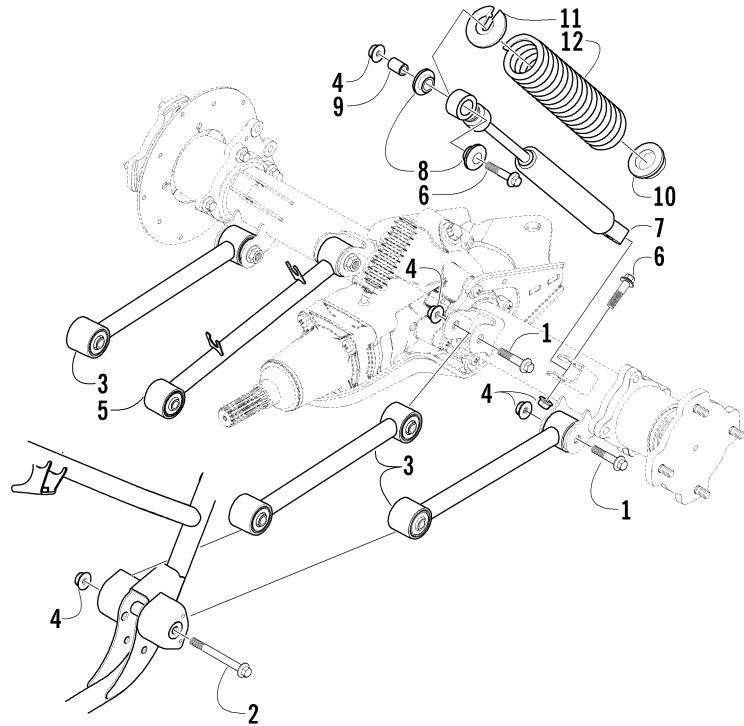
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0420-031	1	Speedometer (inc. 2-8)	19	8409-020	1	Screw, Cap
2	0420-027	1	● Knob, Speedometer Trip	20	8408-860	6	Screw, Cap
3	0420-016	2	● Mount, Rubber	21	0506-348	1	Bracket, Key Switch
4	0420-017	2	● Washer	22	0405-035	4	Cap, Steering Adjuster
5	0420-015	2	● Pin, Retainer	23	0605-171	1	Housing, Bearing - Lower
6	0420-018	1	● Bracket, Speedometer	24	0405-020	2	Bearing, Steering Post
7	0620-149	1	● Bulb, Speedometer	25	0605-147	1	Housing, Bearing - Upper
8	0420-014	1	● Harness, Speedometer	26	0505-423	1	Post, Steering
9	8477-616	3	Screw, Machine	27	8408-816	2	Screw, Cap
10	0409-013	1	Cover, Key	28	0623-175	4	Pin, Cotter
11	3430-040	1	Switch, Ignition - Assembly (inc. 12)	29	0423-157	4	Nut, Top Lock
12	3409-007	1	● Key, Ignition - Blank (C Series)	30	0505-072	2	Tie Rod, Assembly (inc. 31-35)
	3409-011	1	● Key, Ignition - Blank (D Series)	31	8420-002	2	● Nut - Right
	3409-012	1	● Key, Ignition - Blank (E Series)	32	0405-082	2	● Ball Joint, Tie Rod - Right
	3409-013	1	● Key, Ignition - Blank (F Series)	33	0405-083	2	● Ball Joint, Tie Rod - Left
13	0423-052	1	Collar, Body	34	0423-013	2	● Nut - Left
14	0405-063	1	Instrument Pod	35	0405-032	2	● Tie Rod
15	0420-035	1	Panel, LED	36	0602-233	1	Flange, Bearing
16	0487-026	1	Cable, Speedometer	37	0405-052	1	Bearing w/Inverted Oil Seal
17	<u>0505-410</u>	1	Tube, Handlebar	38	0423-073	1	Washer
18	<u>0405-106</u>	2	Grip, Handlebar				



FRONT SUSPENSION ASSEMBLY

0737-581

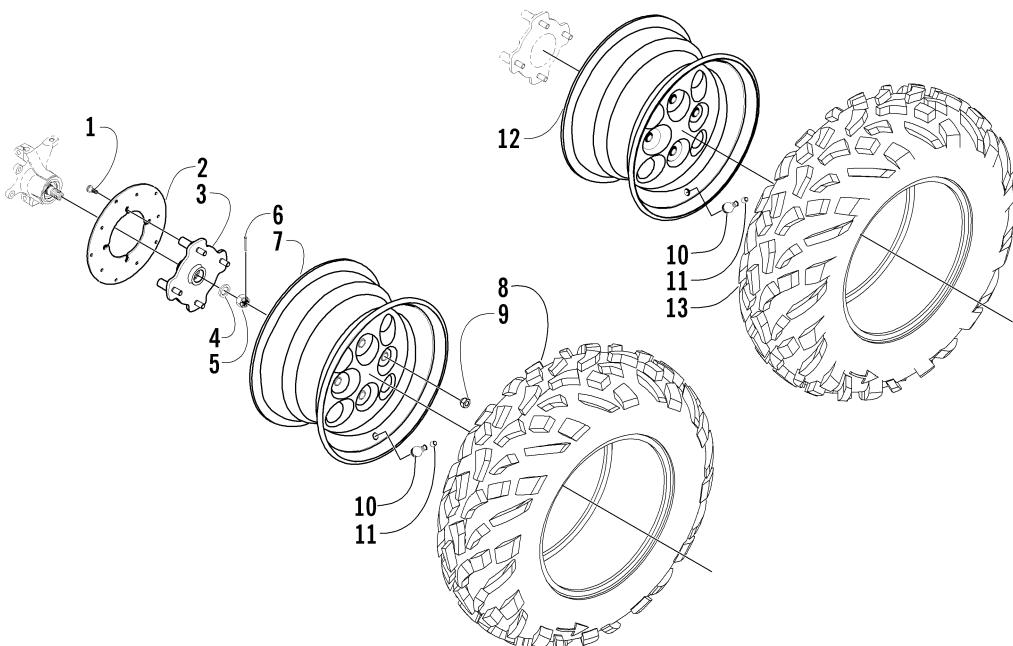
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1603-889	2	Retainer, Spring	15	0402-275	2	● Bearing, Wheel Hub - Front
2	<u>0403-101</u>	2	Shock Absorber - Front (inc. 3-4)	16	0423-034	2	● Clip, Bearing
3	0604-310	8	● Bushing, Shock Absorber	17	0402-089	2	● Seal, Wheel Bearing - Front
4	0403-028	4	● Sleeve, Shock	18	0402-069	2	● Seal, Wheel Bearing - Rear
5	<u>0403-102</u>	2	Cam, Spring Adjuster	19	8409-030	4	Screw, Cap
6	8409-040	4	Screw, Cap	20	8409-060	4	Screw, Cap
7	<u>0403-103</u>	2	Spring, Shock Absorber	21	0503-118	1	A-Arm, Lower Right (inc. 11-12)
8	0503-120	1	A-Arm, Upper Right - Assembly (inc. 9-12)	0503-119	1	A-Arm, Lower Left (inc. 11-12)	
	0503-121	1	A-Arm, Upper Left - Assembly (inc. 9-12)	22	<u>0402-987</u>	2	Axle, Drive - Front (inc. 23-24)
9	0403-080	2	● Collar	23	0441-400	2	● Clip, Retaining
10	0403-081	4	● Bushing	24	0436-276	4	● Repair Kit, Boot - Front Axle
11	<u>0405-115</u>	4	● Ball Joint - Front	25	8428-002	10	Nut, Lock
12	0423-009	4	● Clip, Ball Joint	26	0423-101	4	Screw, Body
13	0505-026	1	Knuckle - Assembly - Right (inc. 14-18)	27	0406-944	1	Guard, Boot - Axle - Right
	0505-027	1	Knuckle - Assembly - Left (inc. 14-18)	0406-927	1	Guard, Boot - Axle - Left	
14	0505-062	1	● Knuckle, Steering - Right	28	0423-334	2	Screw, Cap
	0505-063	1	● Knuckle, Steering - Left	29	<u>0441-587</u>	1	Wrench, Spanner



REAR SUSPENSION ASSEMBLY

0737-585

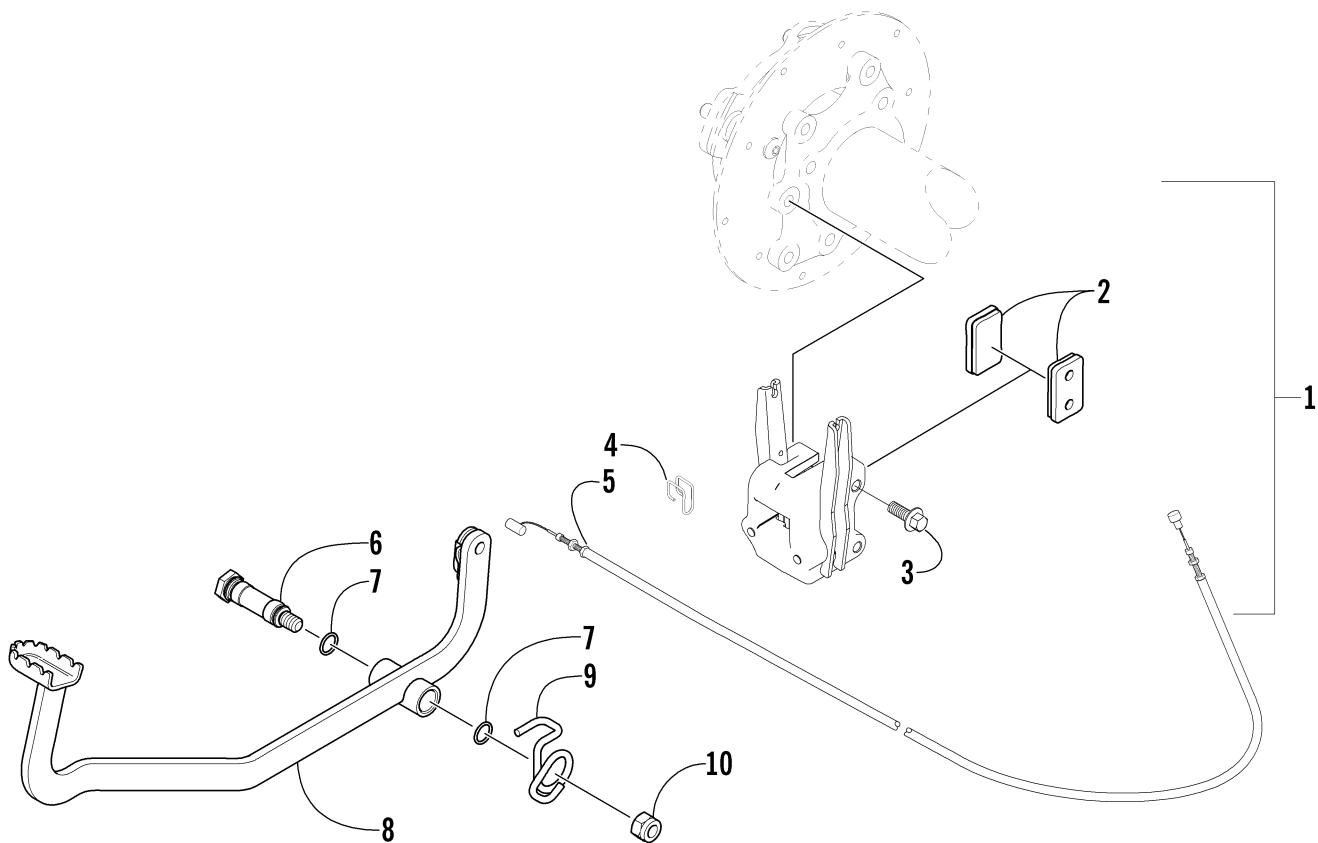
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8409-060	4	Screw, Cap	7	<u>0404-056</u>	2	Shock Absorber - Rear (inc. 8-9)
2	0423-335	2	Screw, Cap	8	0604-310	8	● Bushing, Shock Absorber
3	0504-218	3	Arm, Swing	9	0403-028	4	● Sleeve, Shock Absorber
4	8428-002	10	Nut, Lock	10	<u>0403-102</u>	2	Cam, Spring Adjuster
5	0504-246	1	Arm, Swing	11	1603-889	2	Retainer, Spring - Upper
6	8409-040	4	Screw, Cap	12	<u>0404-058</u>	2	Spring, Shock Absorber



WHEEL AND TIRE ASSEMBLY

0737-564

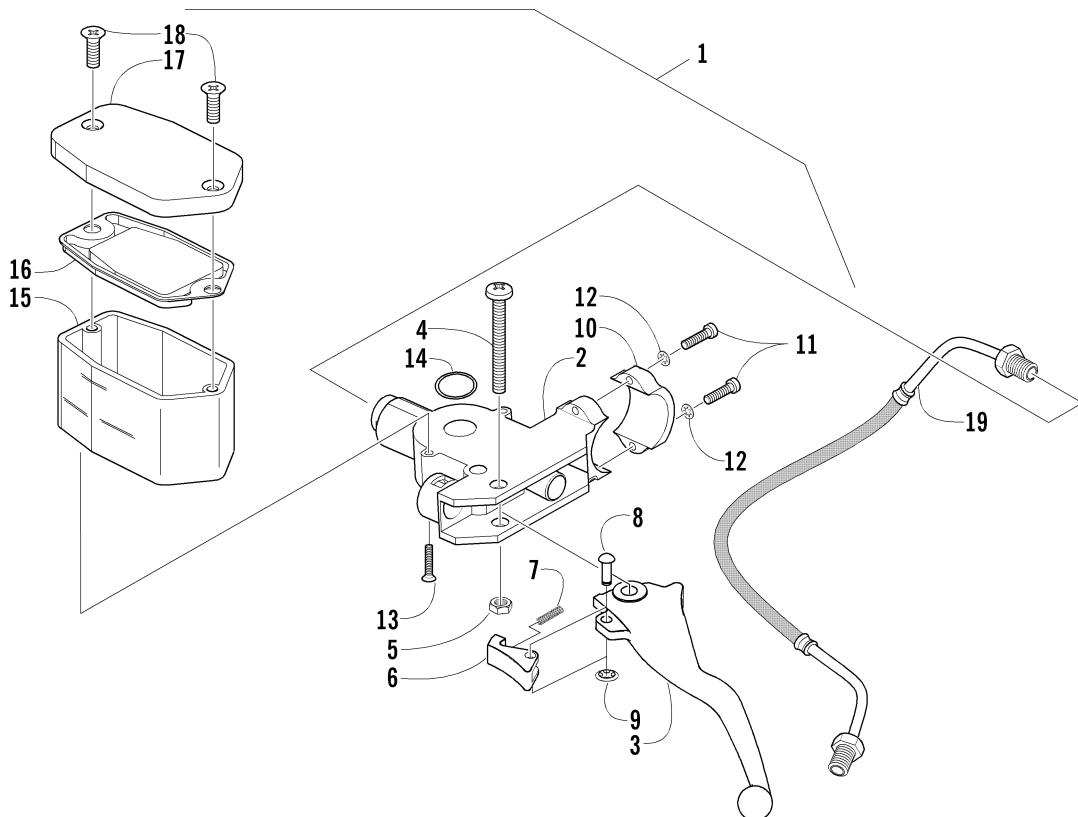
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-029	8	Screw, Machine	8	0402-890	2	Tire - Front
2	0402-874	2	Disc, Brake	9	0423-408	16	Nut, Mounting - Wheel
3	0502-360	2	Hub, Wheel - Front	10	0402-064	4	Stem, Valve (inc. 11)
4	0402-181	2	Seal, Hub	11	0402-140	4	● Cap, Valve Stem
5	0423-394	2	Nut, Hex	12	0402-989	2	Wheel - Rear
6	0123-458	2	Pin, Cotter	13	0402-887	2	Tire - Rear
7	0402-856	2	Wheel - Front				



AUXILIARY BRAKE ASSEMBLY

0737-565

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-372	1	Auxiliary Brake Assembly (inc. 2)	6	0402-872	1	Axle, Brake Lever
2	0402-958	2	● Pad, Brake	7	0423-096	2	O-Ring
3	8408-820	2	Screw, Cap	8	0502-252	1	Lever, Brake
4	0402-379	1	Wire Form, Cable	9	0502-395	1	Spring, Brake Lever
5	0487-006	1	Cable, Brake - Rear	10	8422-002	1	Nut

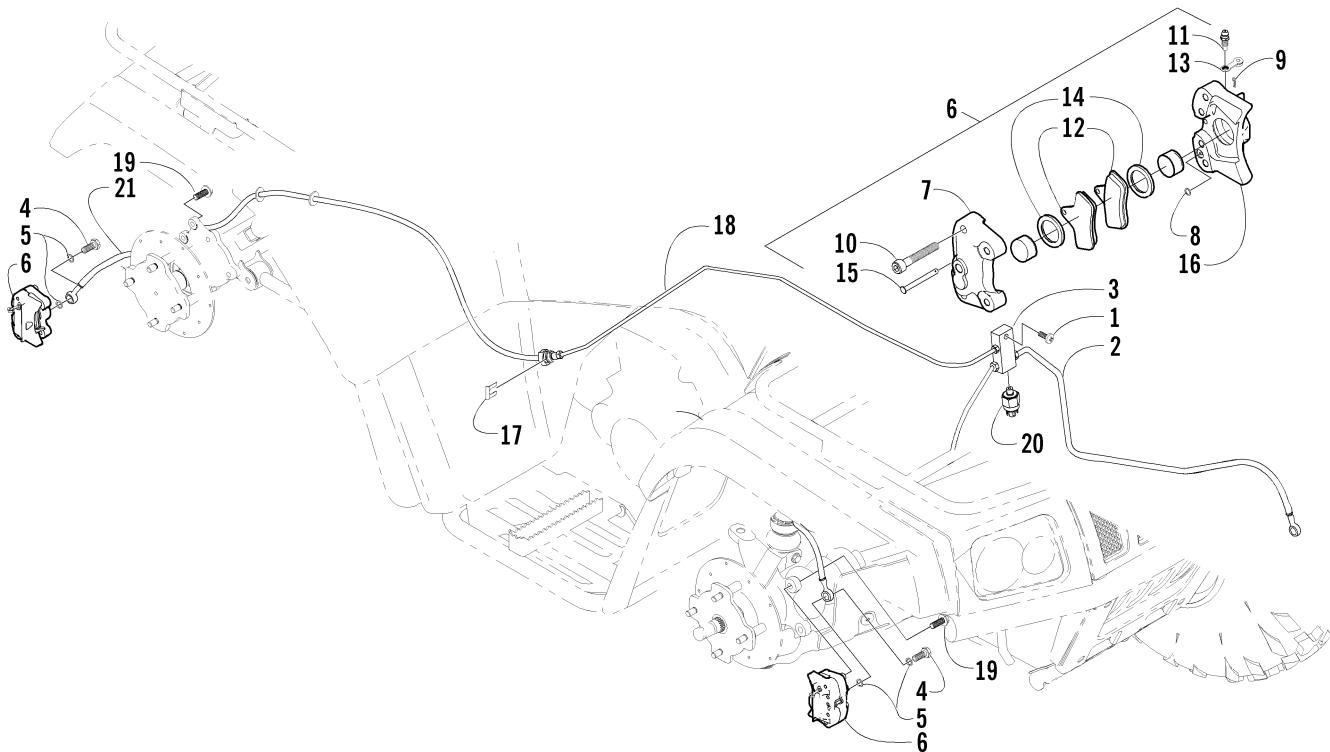


HYDRAULIC HAND BRAKE ASSEMBLY

(Master Cylinder Rebuild Kit p/n 0502-429)

0737-682 *Not a Service Part

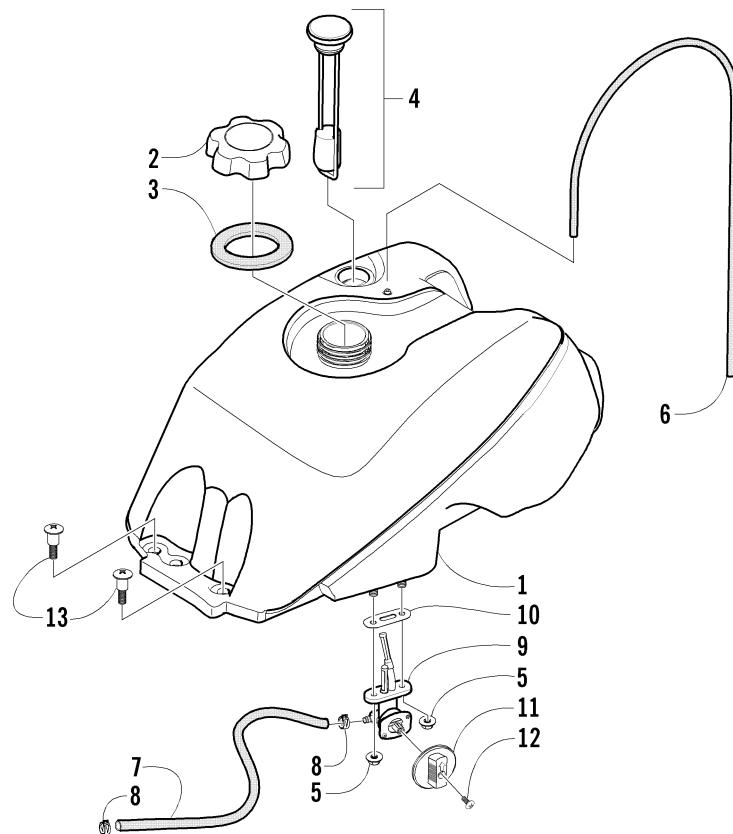
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-387</u>	1	Brake Assembly (inc. 2-18)	10	0602-907	1	● Clamp, Master Cylinder
2	*	1	● Master Cylinder	11	0623-613	2	● Screw, Machine
3	0402-818	1	● Lever, Brake	12	8052-212	2	● Washer, Lock - Internal Tooth
4	0623-430	1	● Screw, Lever Mounting	13	0623-432	2	● Screw, Master Cylinder Mounting
5	0623-056	1	● Nut, Lock	14	0602-587	1	● O-Ring
6	<u>1402-034</u>	1	● Lock, Brake Lever	15	0602-740	1	● Reservoir
7	0402-245	1	● Spring, Brake Lever Lock	16	0602-741	1	● Gasket, Cover
8	0402-246	1	● Pin, Brake Lever Lock	17	0602-742	1	● Cover, Reservoir
9	0423-090	1	● Nut, Press-On - Brake Lever Lock	18	0623-506	2	● Screw, Cover
				19	0402-962	1	● Brakeline, Hydraulic



HYDRAULIC BRAKE ASSEMBLY

0737-568 *Not a Service Part

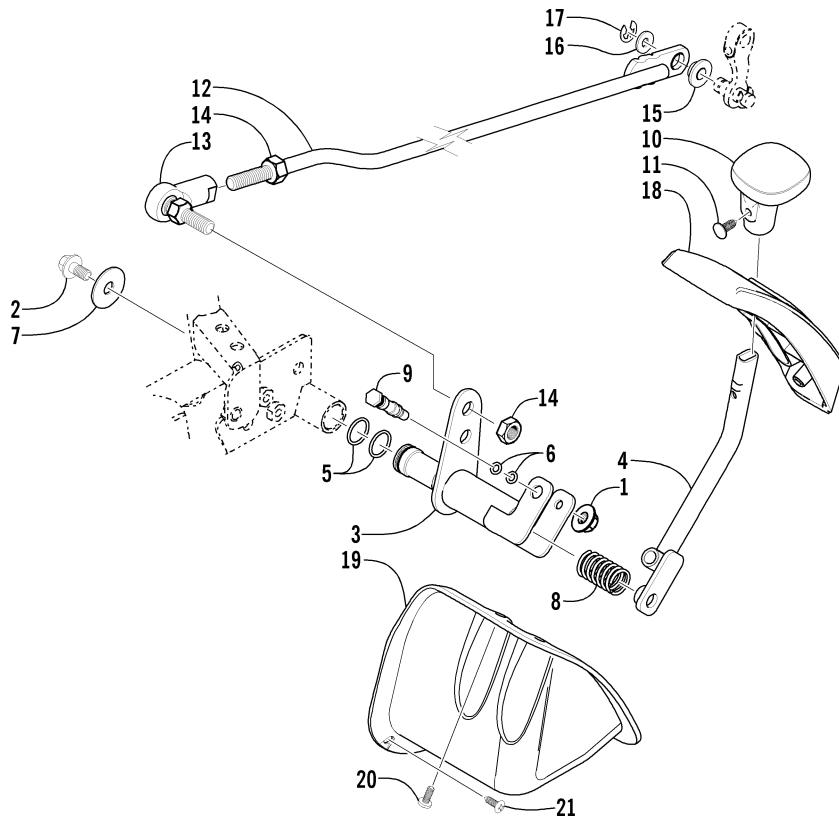
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8476-625	1	Screw, Cap	11	0402-493	3	● Cap, Bleed Valve
2	<u>0402-986</u>	2	Hose, Brake - Front	12	0402-882	6	● Pad, Brake
3	<u>1402-005</u>	1	Block, Junction	13	0402-491	3	● Valve, Bleed
4	0423-413	3	Bolt, Banjo Fitting	14	0402-980	6	● O-Ring, Brake Caliper
5	0423-178	6	Washer, Crush	15	0402-495	3	● Pin, Brake Caliper
6	0502-335	1	Caliper, Brake - Right Front (inc. 7-16)	16	*	3	● Housing, Caliper
	0502-336	2	Caliper, Brake - Left Front and Right Rear (inc. 7-16)	17	0402-597	1	Clip, Brake Line
7	*	3	● Housing, Caliper	18	0402-932	1	Tube, Brake Line - Rear
8	0402-490	3	● O-Ring	19	8408-825	6	Screw, Cap
9	0402-496	3	● Pin, Cotter	20	0402-306	1	Switch, Brake Pressure
10	0402-492	12	● Screw, Cap	21	<u>0402-990</u>	1	Hose, Brake - Rear



GAS TANK ASSEMBLY

0736-991

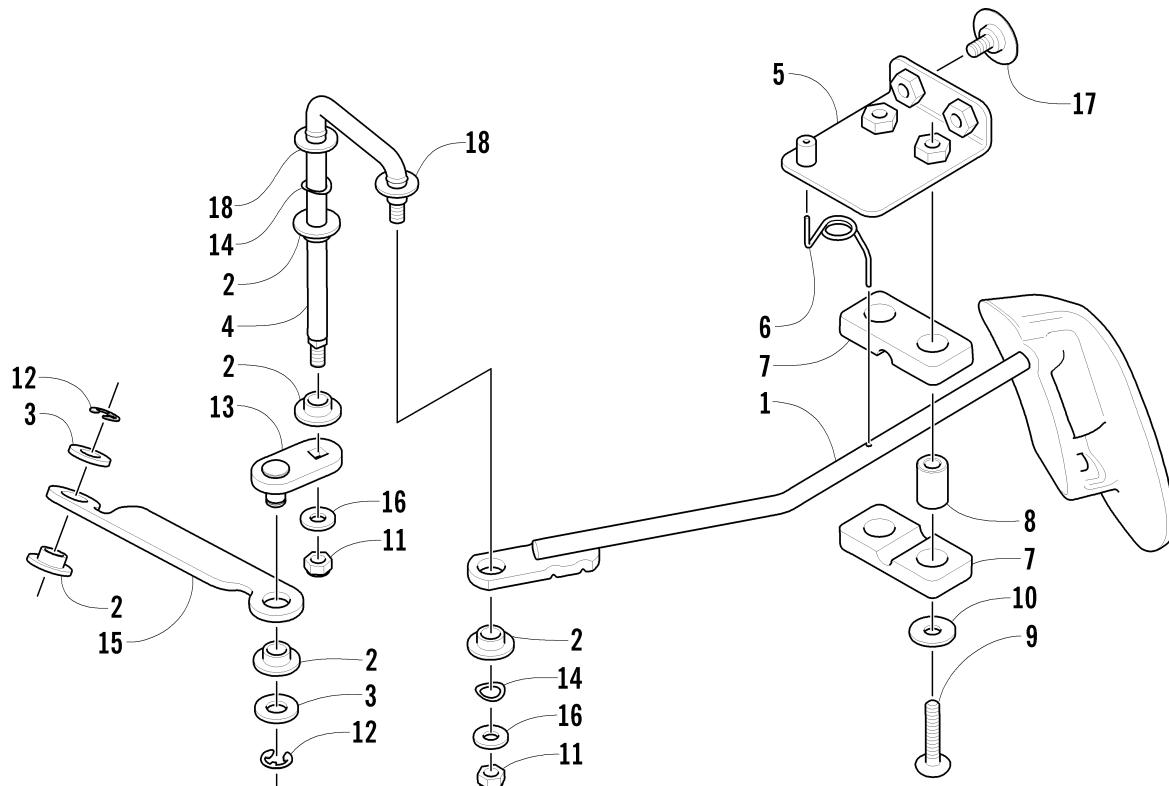
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0570-066	1	Tank, Gas - Assembly (inc. 2-10)	8	0423-152	2	● Clamp, Hose - Spring
2	0470-438	1	● Cap, Gas Tank (inc. 3)	9	0470-445	1	● Valve, Fuel Shut-Off (inc. 10)
3	0109-733	1	● ● Gasket, Tank Cap	10	0470-364	1	● ● Gasket, Fuel Shut-Off Valve
4	0470-444	1	● Gauge, Fuel w/Gasket (Press-Fit)	11	0470-408	1	Knob, Fuel Shut-Off Valve
5	0423-398	2	● Nut, Lock	12	0423-146	1	Screw, Fuel Shut-Off Valve Knob
6	0470-416	1	● Hose, Vent	13	0423-130	2	Screw, Gas Tank
7	0610-007	AR	● Hose, Gasline - 25 ft				



REVERSE SHIFT LEVER ASSEMBLY

0737-070

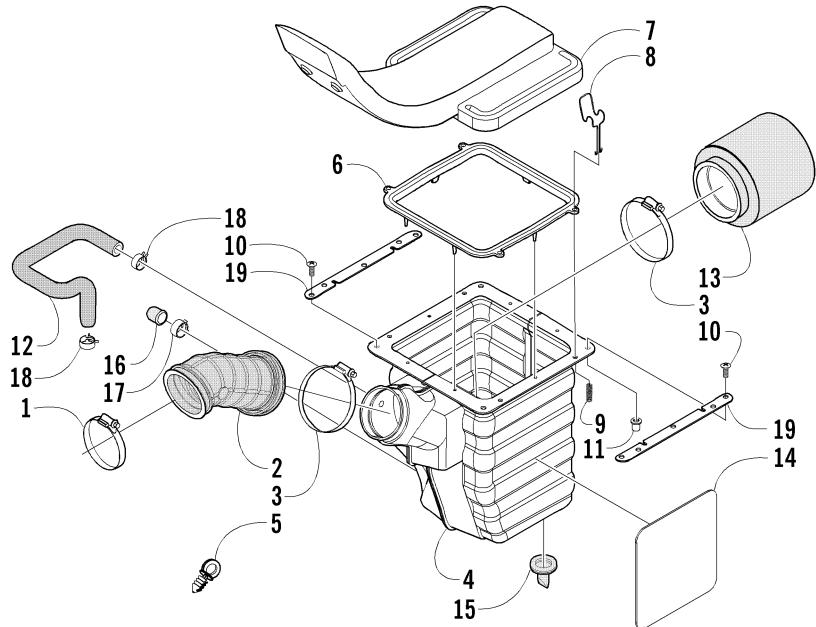
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8424-602	1	Nut	12	0502-311	1	Linkage, Shift
2	8408-812	1	Screw, Cap	13	0402-844	1	End, Rod
3	0502-187	1	Axle, Reverse Shift Lever	14	0623-294	2	Nut
4	0502-185	1	Lever, Reverse Shift	15	0423-091	1	Bushing, Shift Linkage
5	0423-299	2	O-Ring	16	3423-204	1	Washer
6	0423-182	2	O-Ring	17	0423-169	1	E-Ring
7	0423-087	1	Washer	18	0402-685	1	Plate, Shift
8	0502-410	1	Spring, Reverse Shift Lever	19	0406-943	1	Shield, Linkage
9	0402-675	1	Axle, Pivot	20	0423-371	3	Screw, Machine
10	0402-843	1	Handle, Reverse Shift Lever	21	0623-309	1	Screw, Self-Tapping
11	0423-345	1	Clip, Push				



FRONT DRIVE SHIFT LINKAGE ASSEMBLY

0736-906

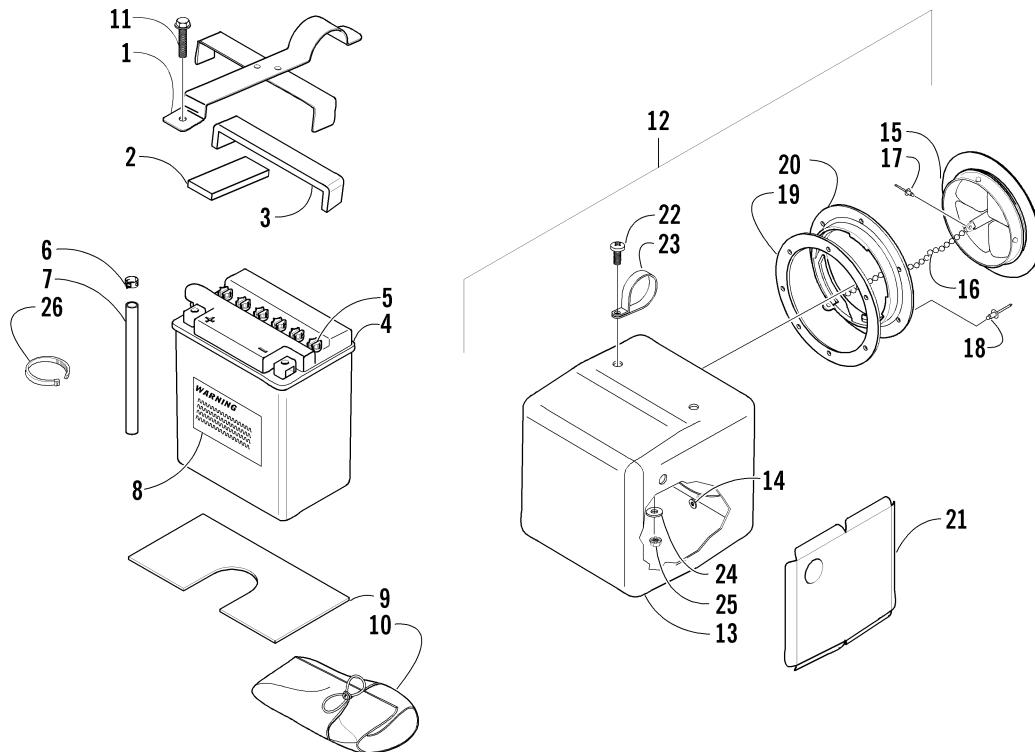
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-291	1	Shifter	10	8050-222	2	Washer
2	0423-091	5	Bushing	11	0624-250	2	Nut, Lock
3	8050-247	2	Washer	12	0124-057	2	E-Ring
4	0402-821	1	Arm, Shifter	13	0502-295	1	Arm, Selector
5	0502-234	1	Plate, Mounting	14	0423-368	2	Washer, Wave
6	0402-828	1	Spring, Torsion	15	0502-396	1	Cross-Link
7	0406-363	2	Bushing	16	0423-348	2	Washer
8	0402-256	2	Collar	17	0423-101	2	Screw, Body
9	8476-630	2	Screw, Machine	18	0123-053	2	Washer



AIR INTAKE ASSEMBLY

0736-950

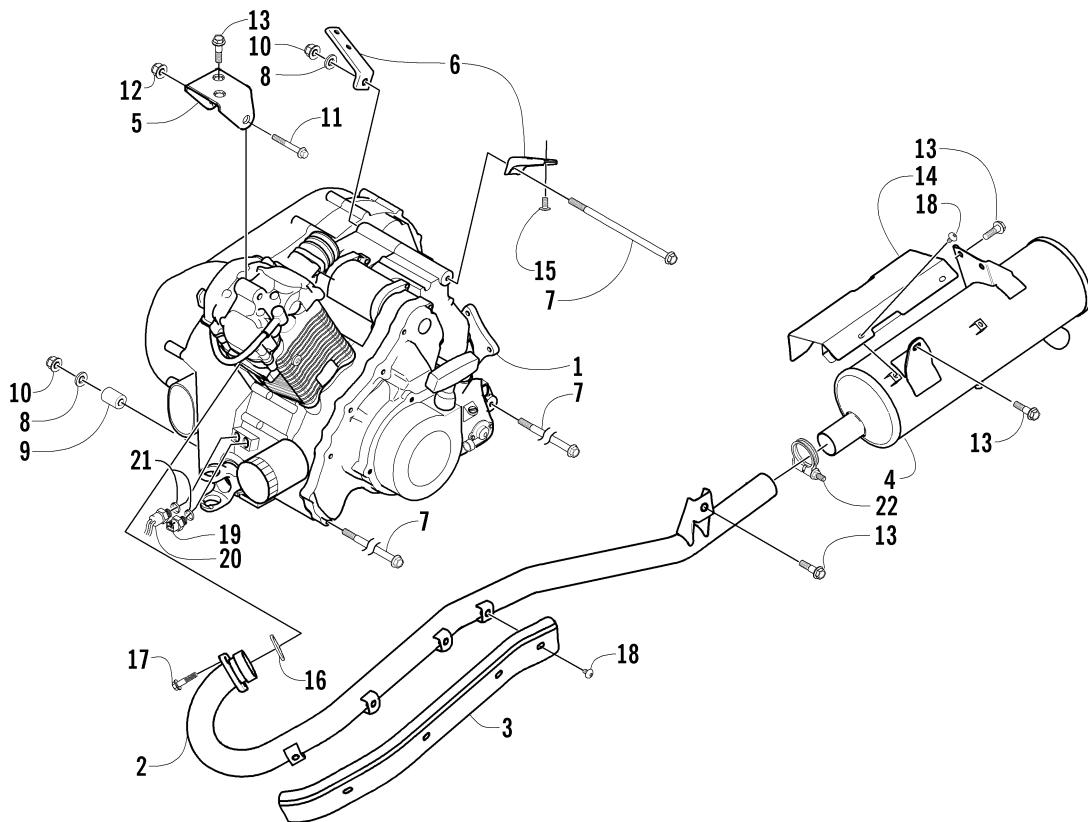
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-379	1	Clamp	11	0123-010	4	Nut, Expansion
2	0470-456	1	Boot, Air Intake	12	0410-045	1	Hose, Crankcase Vent
3	0423-018	2	Clamp	13	0470-391	1	Filter, Air
4	0470-446	1	Housing, Air Intake	14	0412-141	1	Shield, Heat
5	0623-101	1	Clip, Retaining	15	0470-442	1	Valve, Drain
6	0470-343	1	Gasket	16	1673-272	1	Cap, Drain Tube
7	0470-383	1	Snorkel	17	0423-047	1	Clamp, Hose
8	0470-307	4	Clamp	18	0423-045	2	Clamp, Hose - Spring
9	0423-037	4	Spring	19	0470-351	2	Support, Air Intake Flange
10	0623-121	4	Screw, Machine				



STORAGE BOX AND BATTERY ASSEMBLY

0737-571

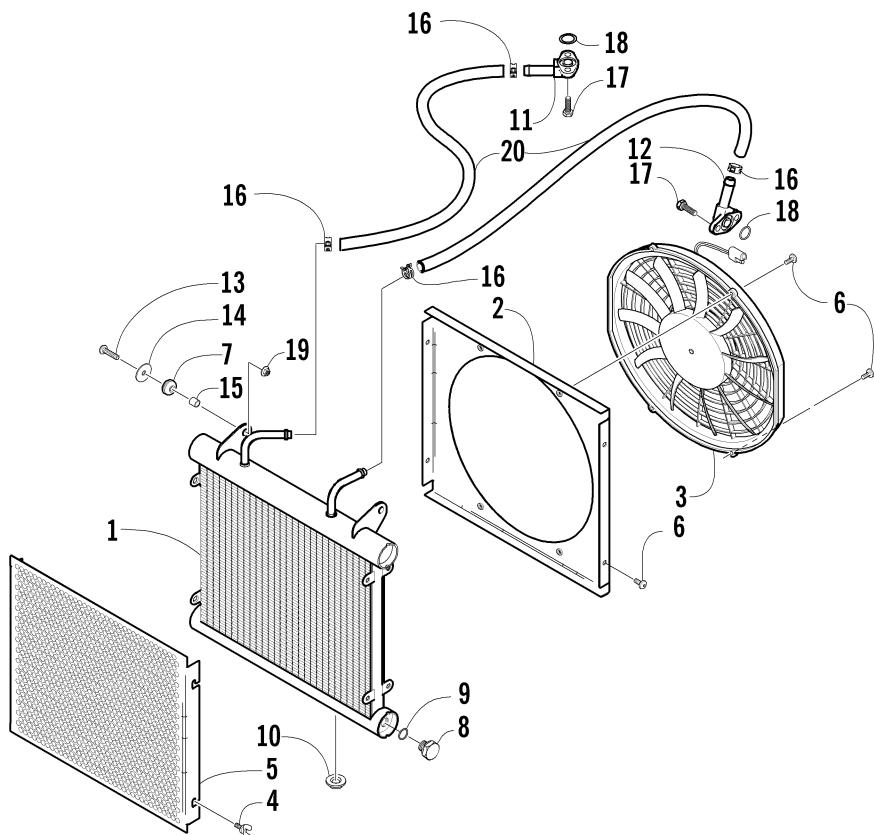
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-178	1	Strap, Battery w/Pads (inc. 2-3)	14	0123-802	6	● Washer
2	0406-288	1	● Pad, Battery - Upper Front	15	0406-208	1	● Cover, Storage Box
3	0406-289	1	● Pad, Battery - Upper Rear	16	0773-401	1	● Chain, Cover
4	0745-045	1	Battery Assembly (inc. 5-8)	17	8060-223	2	● Rivet
5	0645-045	6	● Cap, Battery	18	8060-630	6	● Rivet
6	0645-152	1	● Clamp, Hose	19	0673-973	1	● Seal, Cover
7	0645-263	1	● Hose, Battery Vent	20	0406-205	1	● Ring, Mounting - Cover
8	0645-151	1	● Label, Warning - Battery	21	1406-237	1	● Shield, Heat
9	0406-227	1	Pad, Battery - Lower	22	8476-620	4	Screw, Cap
10	0444-122	1	Kit, Tool	23	0423-044	4	Clamp, Tube
11	8477-616	1	Screw, Machine	24	0623-184	4	Washer
12	<u>1506-032</u>	1	Storage Box - Assembly (inc. 13-21)	25	0623-038	4	Nut w/Washer
13	<u>1406-236</u>	1	● Box, Storage	26	0123-903	2	Cable Tie - 11.5 in.



ENGINE AND EXHAUST

0737-574

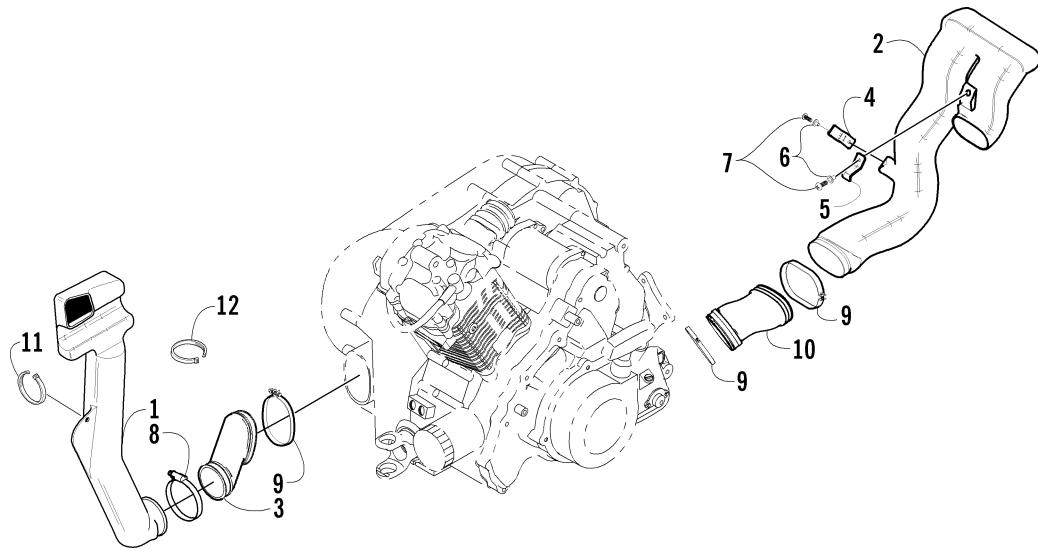
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0462-017	1	Engine	12	8424-802	1	Nut
2	<u>0512-040</u>	1	Pipe, Exhaust	13	8408-816	6	Screw, Cap
3	0412-112	1	Cover, Exhaust	14	1406-023	1	Cover, Muffler
4	0412-182	1	Muffler	15	8408-616	4	Screw, Cap
5	0506-631	1	Bracket, Engine - Upper	16	0412-007	1	Seal, Exhaust
6	<u>0506-983</u>	1	Bracket, Engine - Right	17	8408-820	2	Screw, Cap
	<u>0506-984</u>	1	Bracket, Engine - Left	18	8477-610	9	Screw, Machine
7	3423-009	3	Screw, Cap	19	3430-033	1	Switch, Cooling Fan
8	0423-050	4	Washer, Engine	20	3530-037	1	Switch, Oil Light
9	0423-042	2	Spacer, Engine	21	3402-556	2	Gasket, Switch
10	8428-002	3	Nut, Lock	22	0423-150	1	Clamp, Exhaust
11	8408-860	1	Screw, Cap				



OIL COOLER ASSEMBLY

0737-082

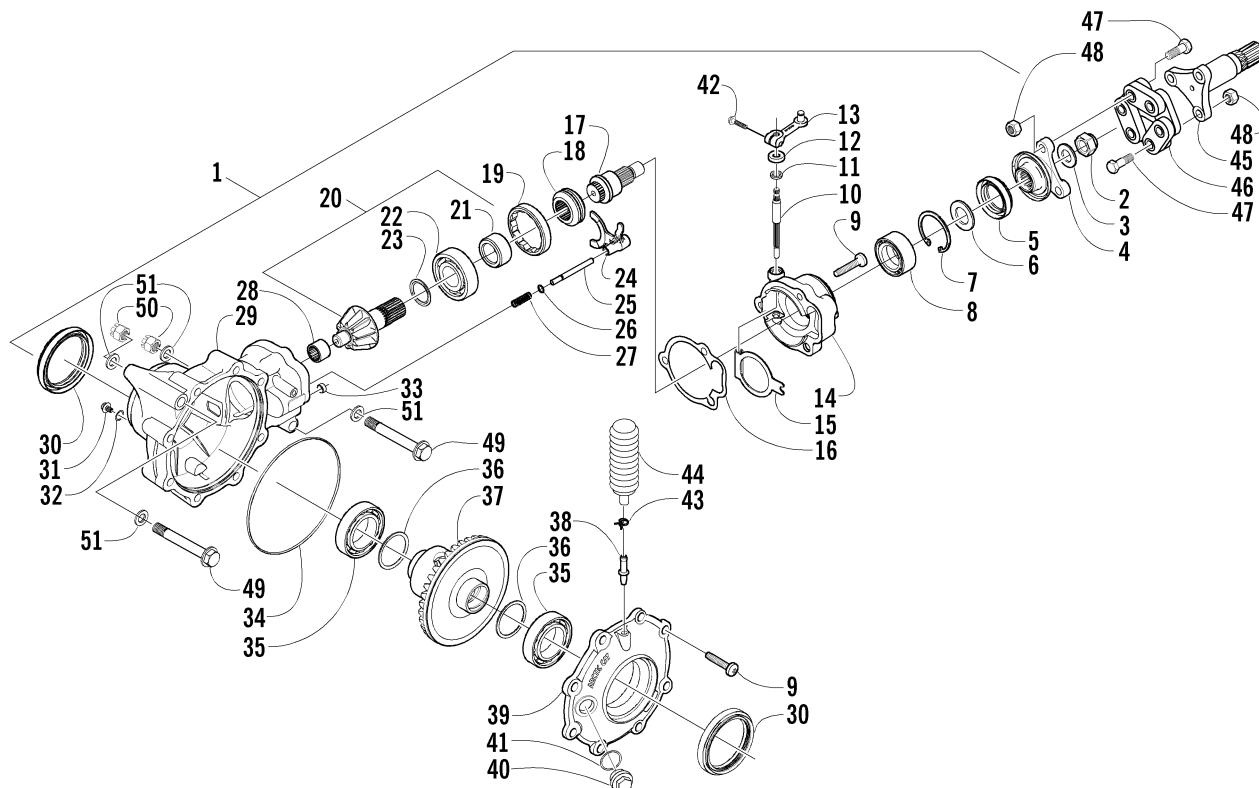
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-052	1	Cooler, Oil - Assembly (inc. 2-9)	11	0410-013	1	Fitting, Oil
2	0413-064	1	● Shroud, Fan	12	0410-012	1	Fitting, Oil - Angled
3	0413-044	1	● Fan, Cooling	13	8476-625	2	Screw, Cap
4	0413-009	1	● Screw, Thumb	14	0623-184	2	Washer
5	0413-007	1	● Screen, Oil Cooler	15	0423-036	2	Collar
6	8475-512	8	● Screw, Machine	16	0423-098	4	Clamp, Hose
7	0423-030	2	● Grommet	17	8471-616	4	Screw, Cap
8	0413-058	1	● Plug, Drain	18	0423-089	2	O-Ring, Oil Fitting
9	0413-059	1	● O-Ring	19	0623-038	2	Nut w/Washer
10	0423-028	2	Bushing, Stem	20	0410-044	2	Hose, Oil



CASE/BELT COOLING ASSEMBLY

0737-089

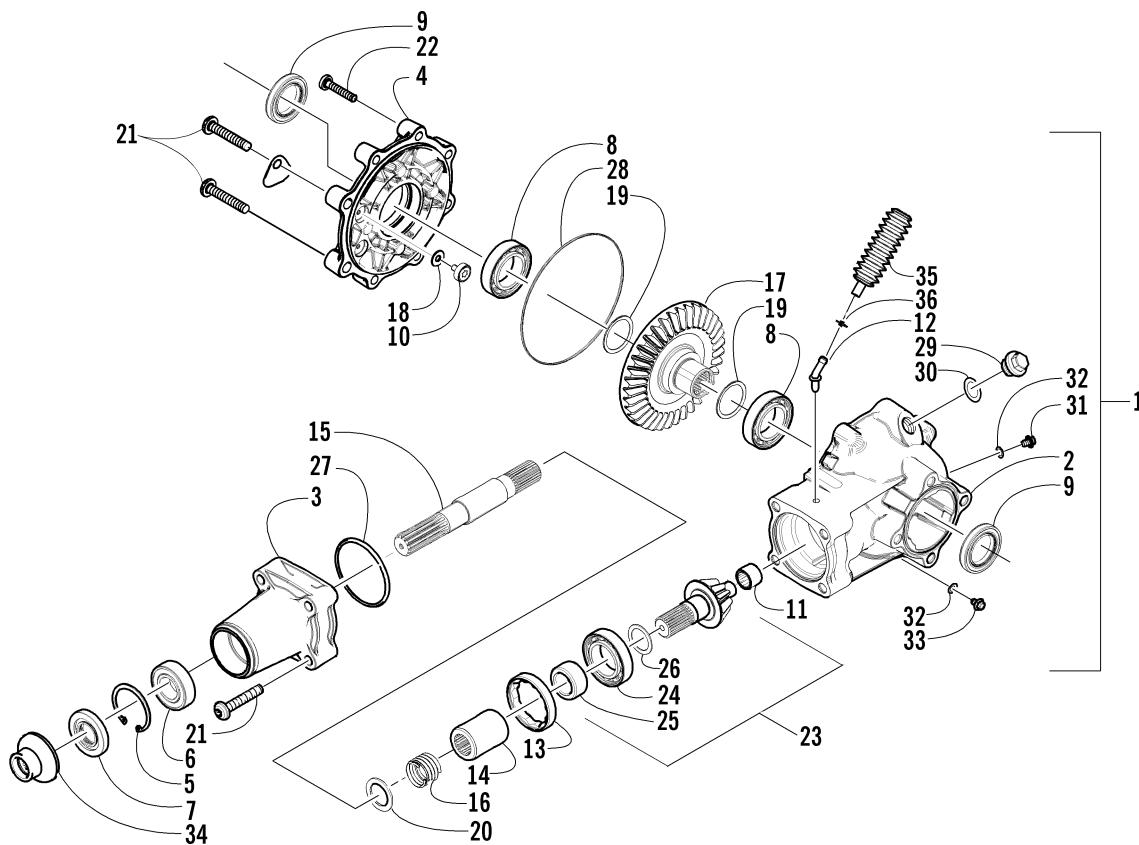
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-042	1	Duct, Belt Cooling - Front	7	0623-121	2	Screw, Machine
2	0413-051	1	Duct, Belt Cooling - Rear	8	0423-380	1	Clamp, Duct
3	0413-048	1	Boot, Belt Cooling - Front	9	3402-449	3	Clamp, Duct/Boot
4	0423-365	1	Clip, Mounting	10	0413-050	1	Boot, Belt Cooling - Rear
5	0423-364	1	Clip, Mounting	11	0123-788	1	Cable Tie - 7.5 in.
6	0123-010	2	Nut, Expansion	12	0123-903	1	Cable Tie - 11.5 in.



FRONT DRIVE GEARCASE ASSEMBLY

0737-587

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-119	1	Gearcase, Front Drive - Assembly (inc. 2-42)	25	0402-417	1	● Shaft, Shuttle
2	0423-135	1	● Nut	26	0423-147	1	● O-Ring
3	0423-134	1	● Washer	27	0402-418	1	● Spring, Return
4	0402-422	1	● Flange, Drive	28	0402-328	1	● Bearing
5	0402-395	1	● Seal	29	0502-120	1	● Housing, Gearcase
6	0402-346	1	● Spacer, Drive	30	0402-394	2	● Seal
7	0402-332	1	● Ring, Retaining	31	0402-450	1	● Plug, Magnetic (inc. 32)
8	0402-003	1	● Bearing	32	0423-153	1	● ● O-Ring
9	0423-118	11	● Screw, Self-Tapping	33	0402-411	1	● Pin, Dowel
10	0402-412	1	● Shaft, Selector	34	0423-149	1	● O-Ring
11	0402-416	1	● Seal	35	0402-393	2	● Bearing
12	0402-398	1	● Plate, Selector Shaft	36	0402-405	AR	● Shim
13	0502-092	1	● Arm, Selector		0402-406	AR	● Shim
14	0502-122	1	● Housing, Selector		0402-407	AR	● Shim
15	0402-414	1	● Plate, Spring - Selector		0402-408	AR	● Shim
16	0402-947	1	● Gasket, Flange		0402-409	AR	● Shim
17	0402-410	1	● Shaft, Thrust	37	0502-124	1	● Gear, Ring - 36T
18	0402-413	1	● Coupler, Drive	38	0402-871	1	● Fitting
19	0402-357	1	● Collar, Lock	39	0502-121	1	● Cover, Gearcase
20	0502-123	1	● Gear, Pinion - Assembly - 10T (inc. 21-23)	40	0402-333	1	● Plug, Fill (inc. 41)
21	0402-336	1	● ● Collar, Retaining	41	0423-154	1	● ● O-Ring
22	0402-327	1	● ● Bearing	42	8410-620	1	● Screw, Cap
23	0402-424	AR	● ● Shim	43	0423-315	1	Clamp, Fitting
	0402-425	AR	● ● Shim	44	0402-147	1	Bladder, Case
	0402-426	AR	● ● Shim	45	0502-321	1	Shaft, Propeller
	0402-427	AR	● ● Shim	46	3435-007	1	Coupler, Propeller Shaft
	0402-428	AR	● ● Shim	47	3423-182	6	Screw, Cap
24	0402-420	1	● Fork, Selector	48	3004-491	6	Nut
				49	0423-404	2	Screw, Cap
				50	8428-002	2	Nut, Lock
				51	8050-282	4	Washer

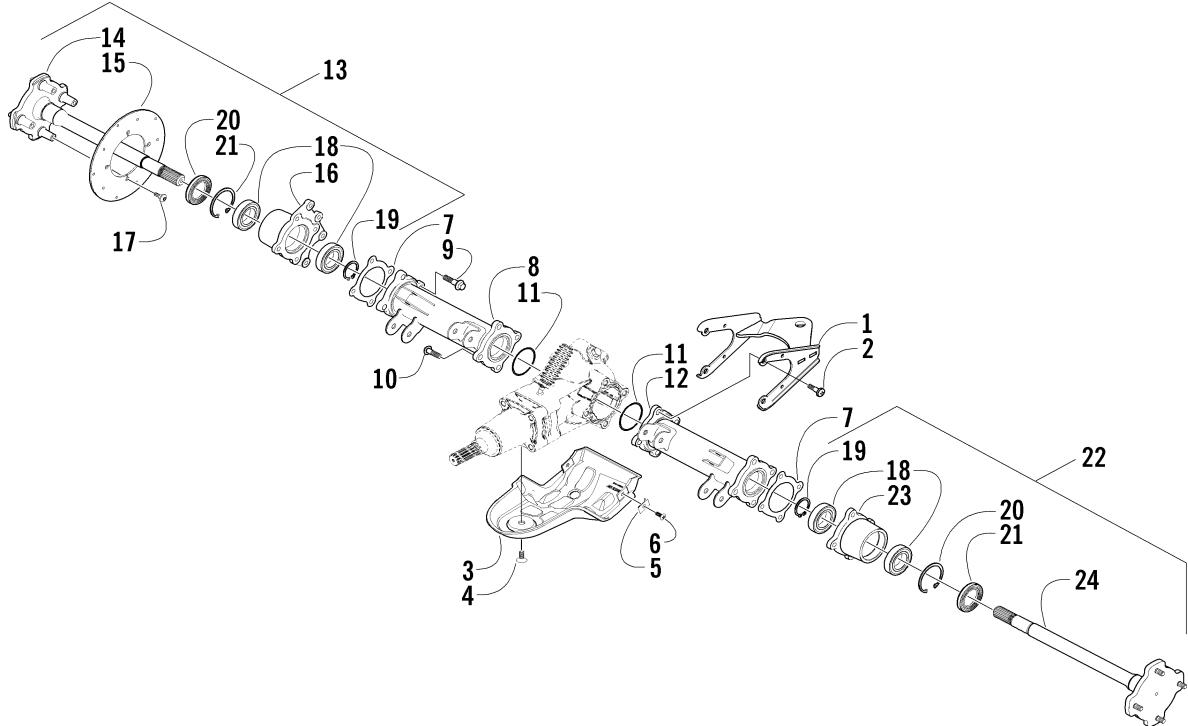


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 0502-292)

0737-022

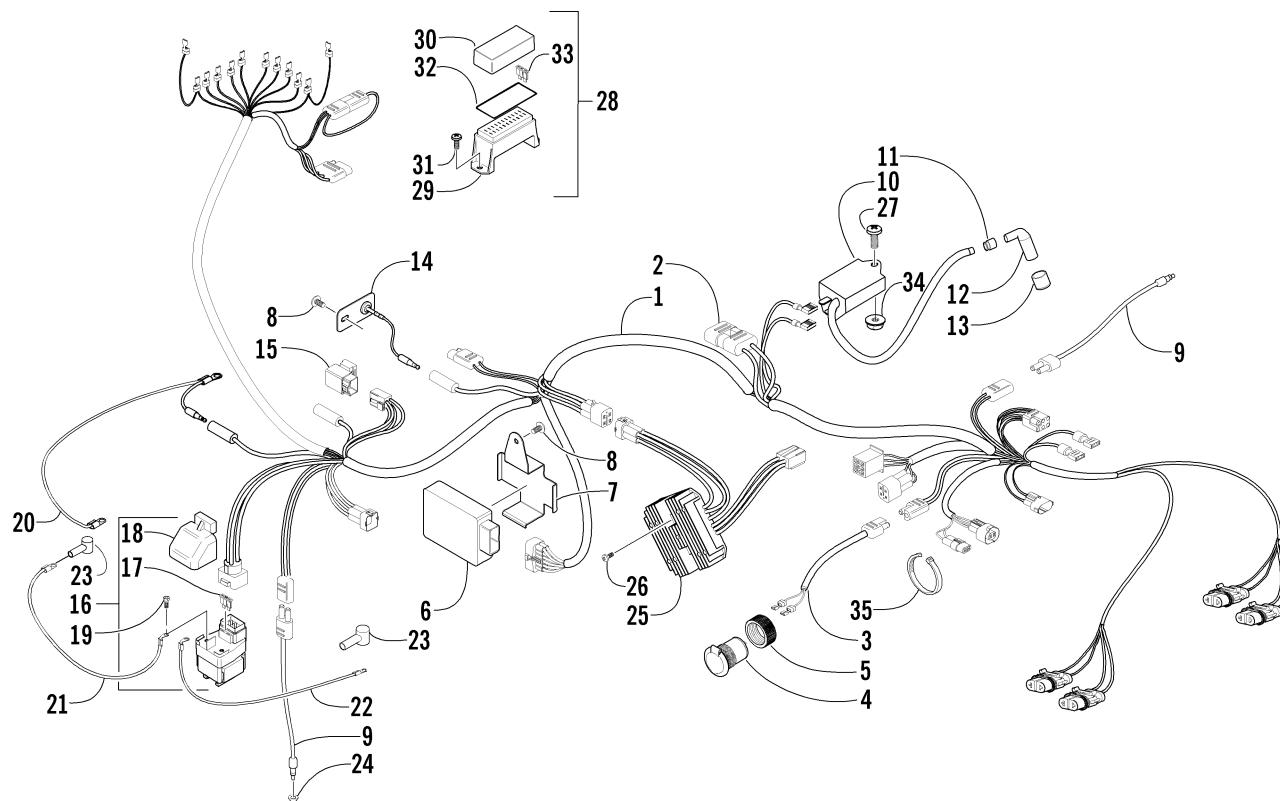
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-292	1	Gearcase, Rear Drive - Assembly (inc. 2-33)		0402-436	AR	● Shim
2	0502-088	1	● Housing, Gearcase		0402-437	AR	● Shim
3	0502-239	1	● Housing, Pinion		0402-438	AR	● Shim
4	0502-089	1	● Cover, Gearcase	20	0423-111	1	● Washer
5	0402-321	1	● Ring, Retaining	21	0423-115	6	● Screw, Self-Tapping
6	0402-322	1	● Bearing	22	0423-118	6	● Screw, Self-Tapping
7	0402-323	1	● Seal	23	0502-123	1	● Gear, Pinion - Assembly - 10T (inc. 24-26)
8	0402-324	2	● Bearing	24	0402-327	1	● ● Bearing
9	0402-325	2	● Seal	25	0402-336	1	● ● Collar, Retaining
10	0402-326	1	● Button, Thrust	26	0402-424	AR	● ● Shim
11	0402-328	1	● Bearing, Needle		0402-425	AR	● ● Shim
12	0402-330	1	● Fitting		0402-426	AR	● ● Shim
13	0402-331	1	● Collar, Lock		0402-427	AR	● ● Shim
14	0402-335	1	● Collar, Shaft		0402-428	AR	● ● Shim
15	0402-851	1	● Shaft, Thrust	27	0423-148	1	● O-Ring
16	0402-338	1	● Spring, Compression	28	0423-149	1	● O-Ring
17	0402-381	1	● Gear, Ring - 36T	29	0402-333	1	● ● Plug, Fill (inc. 30)
18	0402-429	AR	● Shim	30	0423-154	1	● ● O-Ring, Fill Plug
	0402-430	AR	● Shim	31	0402-334	1	● ● Plug, Drain (inc. one No. 32)
	0402-431	AR	● Shim	32	0423-153	2	● ● O-Ring, Drain Plug
	0402-432	AR	● Shim	33	0402-450	1	● ● Plug, Drain - Magnetic (inc. one No. 32)
	0402-433	AR	● Shim	34	0402-352	1	Boot, Rear Drive
	0402-434	AR	● Shim	35	0402-147	1	Bladder, Gearcase
19	0402-435	AR	● Shim	36	0423-315	1	Clamp, Fitting



REAR AXLE ASSEMBLY

0737-576

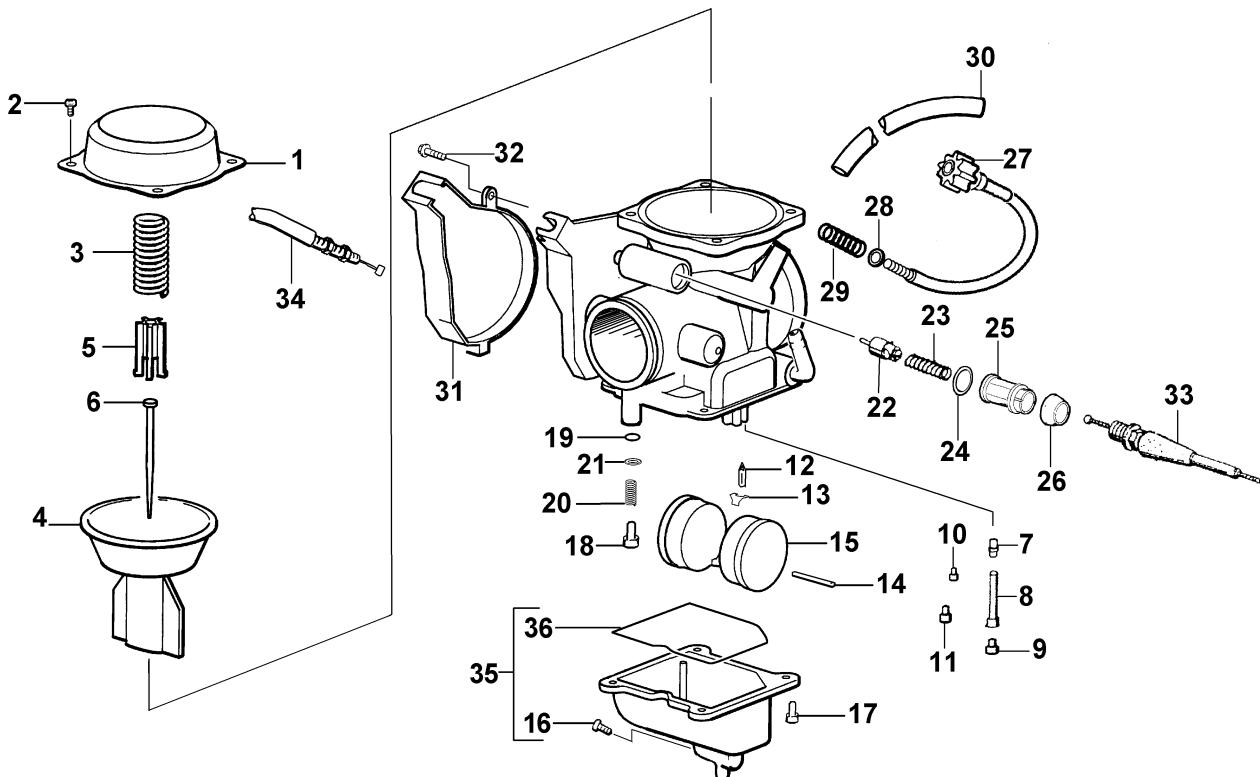
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-675	1	Hitch, Trailer	14	0502-366	1	● Axle Assembly - Right
2	0423-116	4	Screw, Self-Tapping	15	0402-874	1	● Disc, Brake
3	0406-415	1	Panel, Gearcase	16	0502-096	1	● Housing, Bearing - Right
4	0423-101	1	Screw, Body	17	0423-029	4	● Screw, Shoulder
5	0423-031	2	Nut, Speed	18	0402-339	4	● Bearing
6	8477-616	2	Screw, Machine	19	0402-351	2	● Ring, Retaining
7	0402-374	2	Gasket, Axle Housing	20	0402-347	2	● Ring, Retaining
8	0502-090	1	Housing, Axle - Right	21	0402-348	2	● Seal
9	8409-025	8	Screw, Cap	22	0502-367	1	Retainer, Axle - Assembly - Left (inc. two No. 18, one No. 19-21, and 23-24)
10	0423-117	4	Screw, Self-Tapping	23	0502-097	1	● Housing, Bearing - Left
11	0423-119	2	O-Ring	24	0502-368	1	● Axle Assembly - Left
12	0502-091	1	Housing, Axle - Left				
13	0502-365	1	Retainer, Axle - Assembly - Right (inc. 14- 17, two No. 18, and one No. 19-21)				



WIRING HARNESS ASSEMBLY

0737-553 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-106</u>	1	Harness, Main (inc. 2)	19	3423-020	2	Screw, Cap
2	0486-029	1	● Diode (Start In Gear)	20	0445-020	1	Cable, Battery/Ground
3	0486-004	1	Harness, 12V Receptacle	21	0445-003	1	Cable, Battery/Electric Start Relay
4	0445-022	1	Receptacle, 12V (inc. 5)	22	0445-019	1	Cable, Electric Start Relay/Starter
5	0445-034	1	● Nut, Retainer	23	0645-019	2	Boot, Terminal
6	3402-683	1	CDI Unit	24	<u>0402-991</u>	2	Retainer, Brake Switch
7	<u>0506-982</u>	1	Bracket, CDI Unit	25	3402-682	1	Regulator, Voltage
8	8476-616	2	Screw, Machine	26	8476-625	2	Screw, Machine
9	0409-009	2	Switch, Brake	27	8476-620	2	Screw, Machine
10	3430-055	1	Coil, Ignition - Assembly	28	0530-001	1	Block, Fuse - Assembly (inc. 29-30)
11	3430-009	1	Seal, High Tension Wire	29	*	1	● Block, Fuse
12	3430-007	1	Cap, Spark Plug	30	*	1	● Cover, Fuse Block
13	3430-008	1	Seal, Spark Plug Cap	31	0623-361	2	Screw, Self-Tapping
14	<u>0509-011</u>	1	Diode Assembly	32	0411-271	1	Decal, Fuse Block
15	3530-008	1	Relay, Neutral Start - Assembly	33	0630-057	4	Fuse, 10 Amp
16	3530-001	1	Relay, Starter Motor - Assembly (inc. 17-18)	34	0630-058	2	Fuse, 15 Amp
17	0630-098	1	● Fuse, 30 Amp	35	8424-602	1	Nut, Flange
18	3530-010	1	● Cover, Starter Motor Relay		0123-788		Cable Tie - 7 in.
					AR		

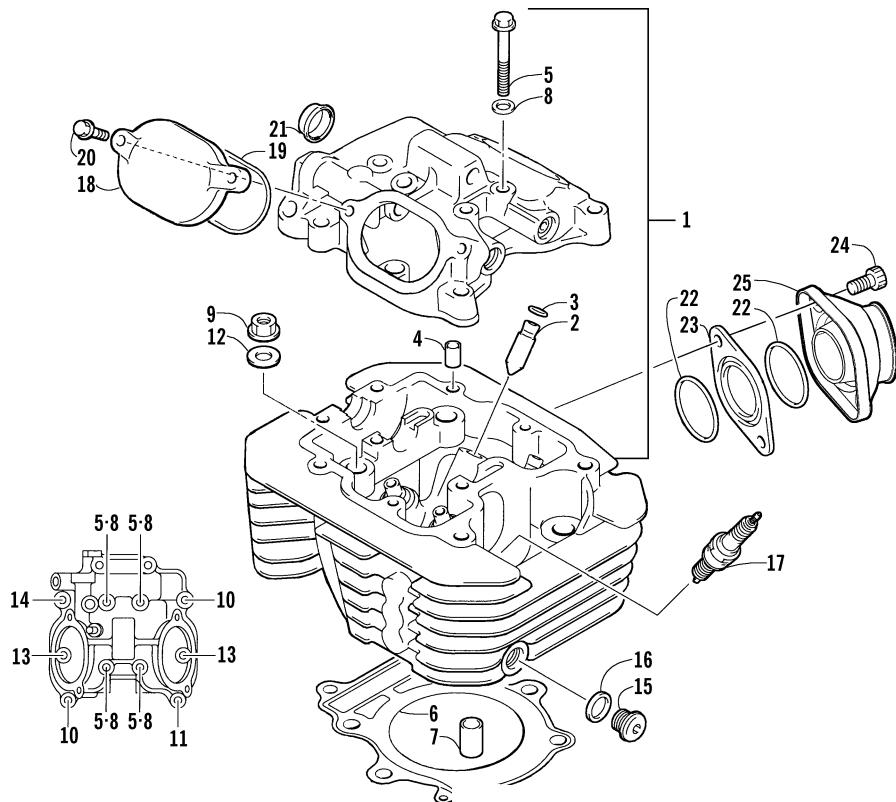


CARBURETOR

(Complete Assembly p/n 0470-454)

0737-813 *Not a Service Part **Optional

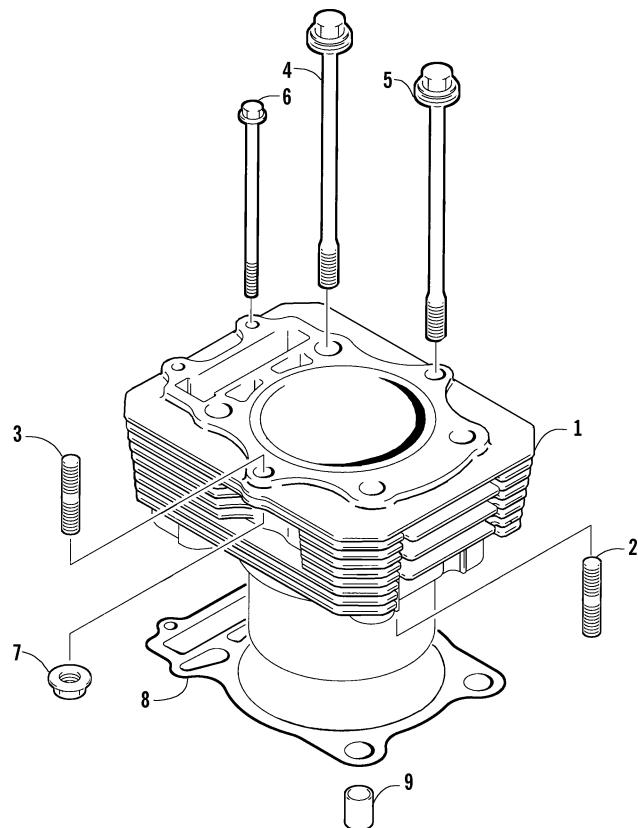
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-001	1	Cover, Top	18	5507-040	1	Screw, Pilot Air - Set (inc. 19-21)
2	5507-002	3	Screw, Top Cover	19	*	1	● O-Ring
3	5507-052	1	Spring	20	*	1	● Spring
4	5507-053	1	Piston, Vacuum	21	*	1	● Washer
5	5507-054	1	Spring, Seat	22	5507-022	1	Valve, Starter
6	5507-080	1	Jet Needle	23	5507-023	1	Spring
7	5507-056	1	Needle Jet	24	5507-024	1	O-Ring
8	5507-047	1	Holder, Needle Jet	25	5507-025	1	Cap
9	5507-009	1	Main Jet - 150	26	5507-026	1	Cap, Rubber
	5507-041	1	Main Jet - 147**	27	5507-027	1	Screw, Idle Adjust
	5507-042	1	Main Jet - 145**	28	5507-028	1	Washer
	5507-043	1	Main Jet - 142**	29	5507-029	1	Spring
	5507-044	1	Main Jet - 140**	30	5507-083	1	Tube, Vinyl
10	5507-010	1	Slow Jet	31	5507-036	1	Cover
11	5507-090	1	Starter Jet - 60	32	5507-037	1	Screw
12	5507-038	1	Valve, Float - Set (inc. 13)	33	0487-016	1	Cable, Choke
13	*	1	● Clip	34	0487-021	1	Cable, Throttle
14	*	1	Pin, Float	35	5507-064	1	Chamber, Float - Assembly (inc. 16 and 36)
15	5507-039	1	Float Set (inc. 14)	36	5507-068	1	● O-Ring, Float Chamber
16	5507-050	1	Screw, Drain				
17	5507-089	4	Screw				



CYLINDER HEAD ASSEMBLY

0737-038 *Not Illustrated

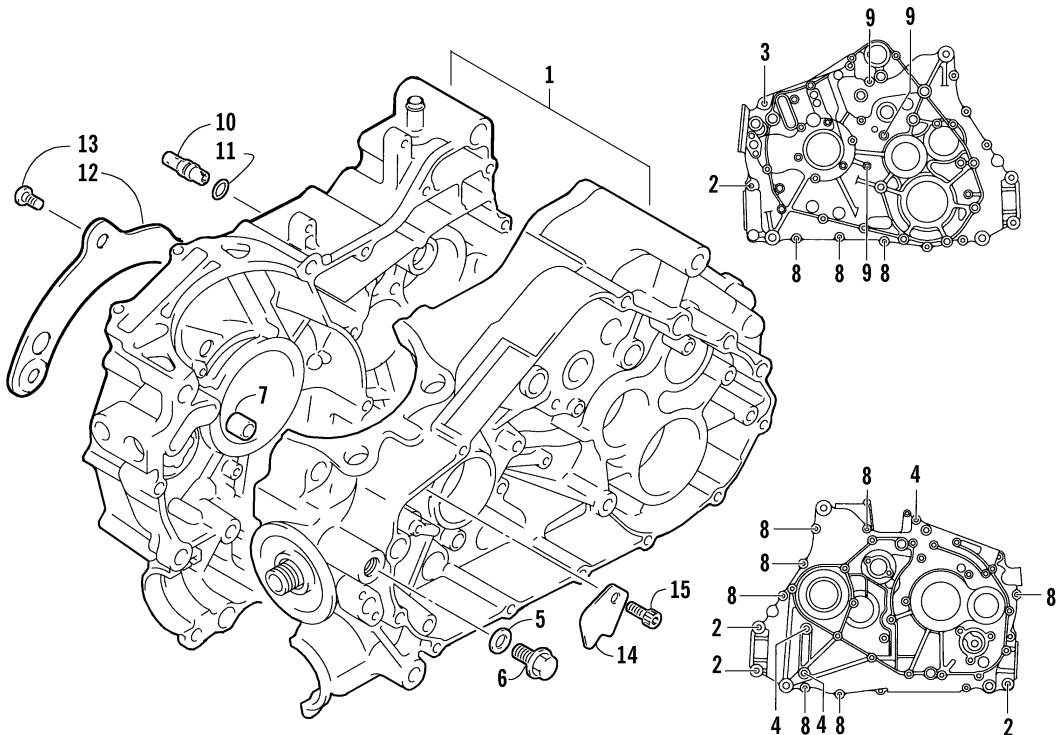
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-576	1	Head, Cylinder - Assembly (inc. 2-5)	14	3008-376	1	Bolt, Head Cover
2	3402-099	2	● Guide, Valve	15	3423-453	1	Plug, Oil Gallery
3	3423-068	4	● Ring, Valve Guide	16	3402-011	1	Gasket, Oil Gallery Plug
4	3423-043	2	● Pin, Dowel	17	0217-708	1	Spark Plug (NGK CR7E)
5	3423-006	4	● Bolt	18	3402-100	2	Cap, Inspection
6	3402-577	1	Gasket, Cylinder Head	19	3402-101	2	O-Ring
7	3423-449	2	Pin, Dowel	20	3004-341	4	Bolt, Inspection Cap
8	3003-290	4	Gasket	21	3402-035	1	Plug, Head
9	3423-326	2	Nut, Cylinder Head	22	3423-353	2	O-Ring
10	3423-007	2	Bolt, Head Cover	23	3402-616	1	Insulator, Intake Manifold
11	3423-429	1	Bolt, Head Cover	24	3004-893	2	Screw
12	3423-439	4	Washer, Cylinder Head Nut	25	0570-067	1	Manifold, Intake
13	3004-376	2	Bolt, Head Cover	*	3402-048	1	Plug, Frost



CYLINDER ASSEMBLY

0737-039

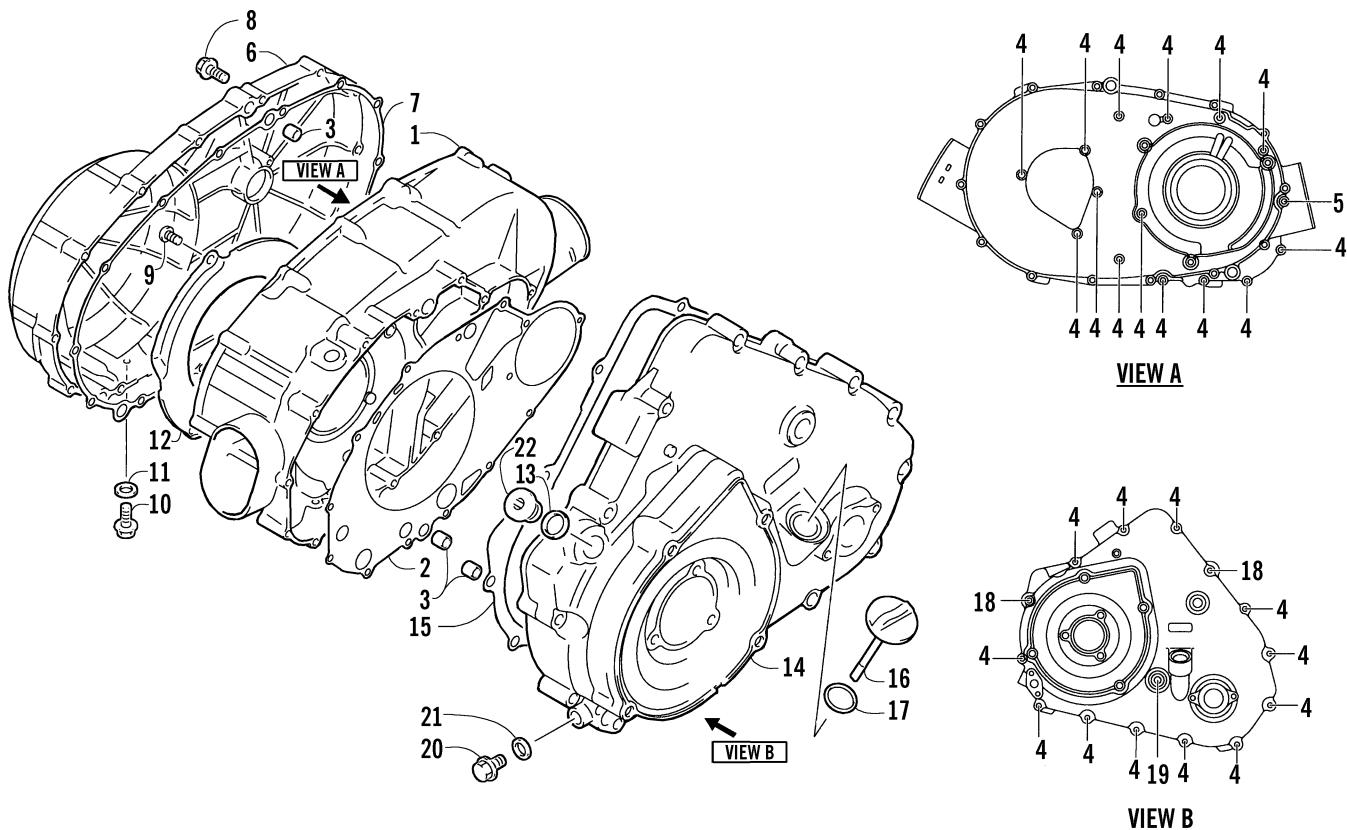
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-578	1	Cylinder	6	3423-427	2	Bolt
2	3423-384	2	Bolt, Stud	7	3004-488	2	Nut
3	3004-778	2	Bolt, Stud	8	3402-579	1	Gasket, Cylinder
4	3423-431	2	Bolt	9	3423-088	2	Pin, Dowel
5	3423-432	2	Bolt				



CRANKCASE ASSEMBLY

0737-810

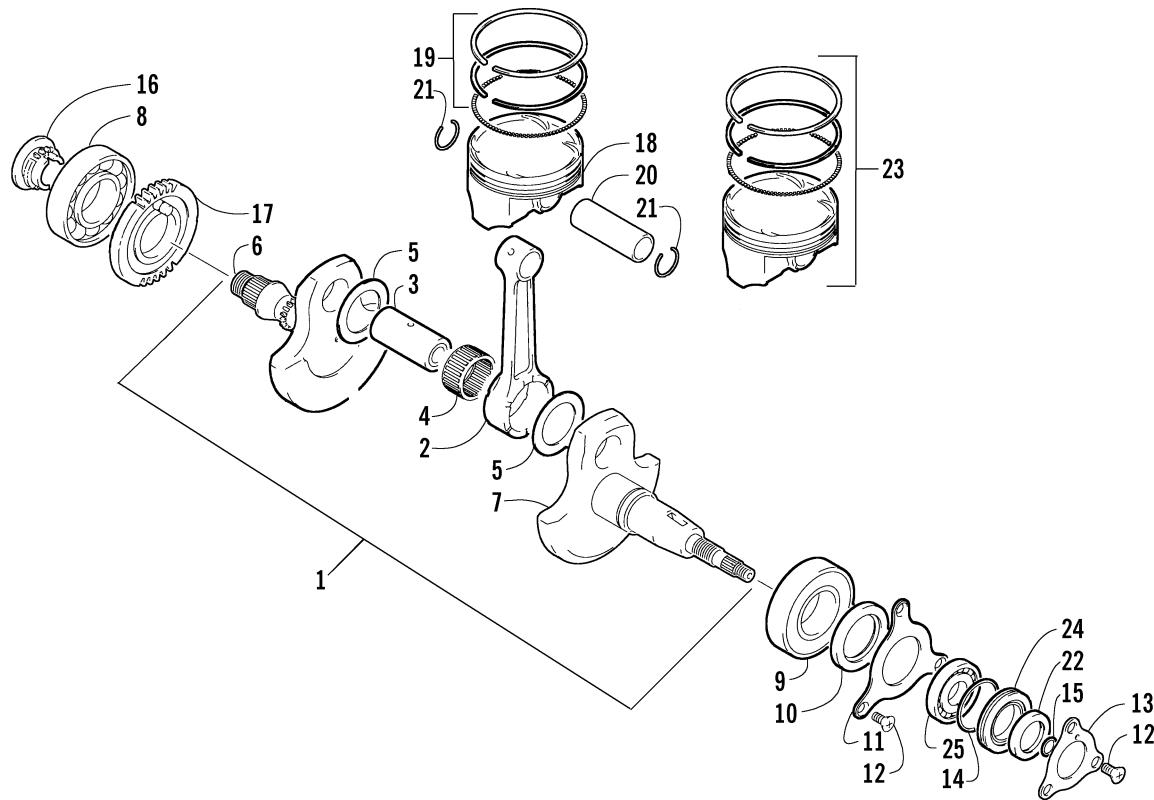
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-580	1	Crankcase Assembly (inc. 2-9)	9	3423-097	3	● Bolt
2	3004-880	4	● Bolt	10	3402-691	1	Jet, Oil Gallery
3	3005-332	1	● Bolt	11	3423-051	1	O-Ring, Oil Gallery Jet
4	3005-310	3	● Bolt	12	3042-581	1	Plate, Oil Guide - Right
5	3402-012	1	● Gasket, Oil Pressure Plug	13	3004-552	1	Screw, Oil Guide Plate - Right
6	3402-214	1	● Plug, Oil Pressure	14	3402-582	1	Plate, Oil Guide - Left
7	3423-088	2	● Pin, Dowel	15	3423-121	1	Bolt, Oil Guide Plate - Left
8	3423-091	10	● Bolt				



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0737-041

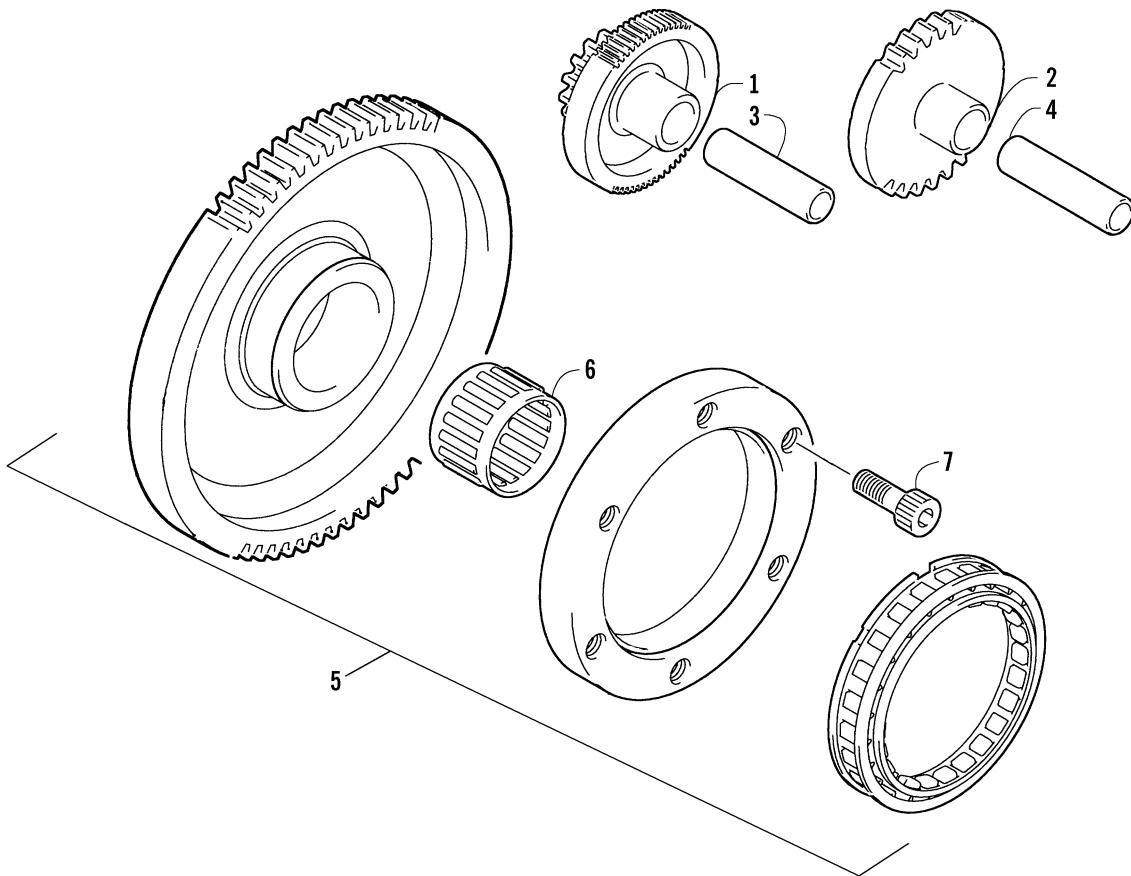
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-583	1	Cover, Clutch	12	3402-445	1	Plate, Air Intake
2	3402-589	1	Gasket	13	3402-013	1	Gasket
3	3423-088	6	Pin, Dowel	14	3402-585	1	Cover, Magneto
4	3423-098	26	Bolt	15	3402-590	1	Gasket, Magneto Cover
5	3423-392	1	Bolt	16	3402-593	1	Stick, Oil Level
6	3402-586	1	Cover, V-Belt	17	3423-055	1	O-Ring, Oil Level Stick
7	3402-591	1	Gasket, V-Belt Cover	18	3423-307	2	Bolt
8	0693-327	14	Bolt	19	3423-430	1	Bolt
9	3004-552	3	Screw	20	3004-630	1	Plug, Oil Gallery
10	3004-705	1	Plug, Drain	21	3402-444	1	Gasket
11	3402-444	1	Gasket, Drain Plug	22	3402-341	1	Plug



CRANKSHAFT ASSEMBLY

0737-042 *Optional

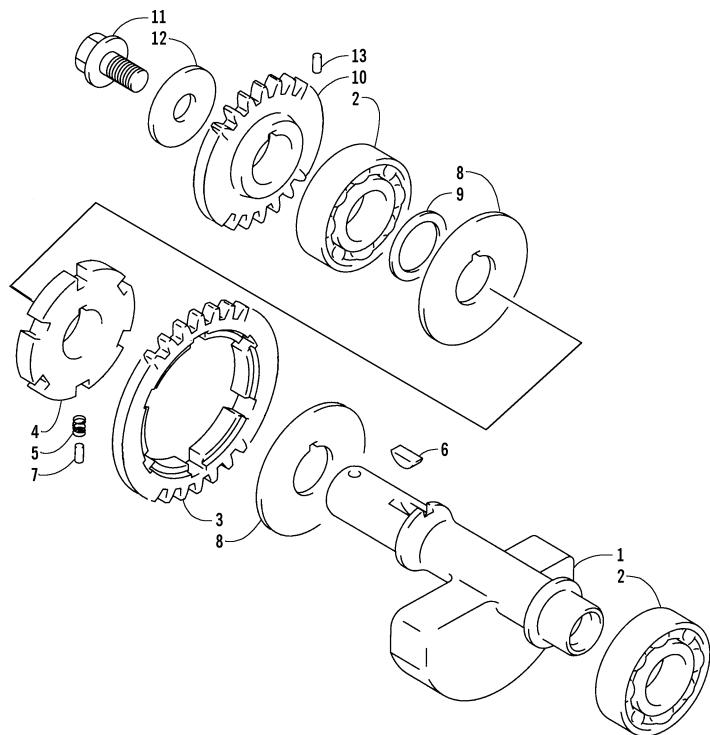
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-598	1	Crankshaft Assembly (inc. 2-7)	14	3423-063	1	O-Ring
2	3402-597	1	● Rod, Connecting	15	3423-053	1	O-Ring
3	3402-599	1	● Pin, Crank	16	3402-610	1	Sprocket, Cam Chain Drive
4	3402-571	1	● Bearing	17	3402-606	1	Gear, Crank Balancer Drive
5	3423-440	2	● Washer	18	3402-594	1	Piston
6	3402-600	1	● Crankshaft - Right	19	3402-595	1	Ring, Piston - Set
7	3402-601	1	● Crankshaft - Left	20	3402-596	1	Pin, Piston
8	3402-180	1	Bearing - Right	21	3003-439	2	Circlip
9	3402-566	1	Bearing - Middle	22	3402-070	1	Seal, Oil
10	3402-573	1	Seal, Crankshaft Oil	23	3436-015	1	Piston Set (Oversized 0.50 mm)*
11	3402-602	1	Retainer, Crankshaft Oil Seal - Middle	24	3402-119	1	Spacer
12	3423-018	6	Screw, Retainer	25	3402-051	1	Bearing
13	3402-188	1	Retainer, Crankshaft Oil Seal - Left				



STARTER CLUTCH ASSEMBLY

0737-043

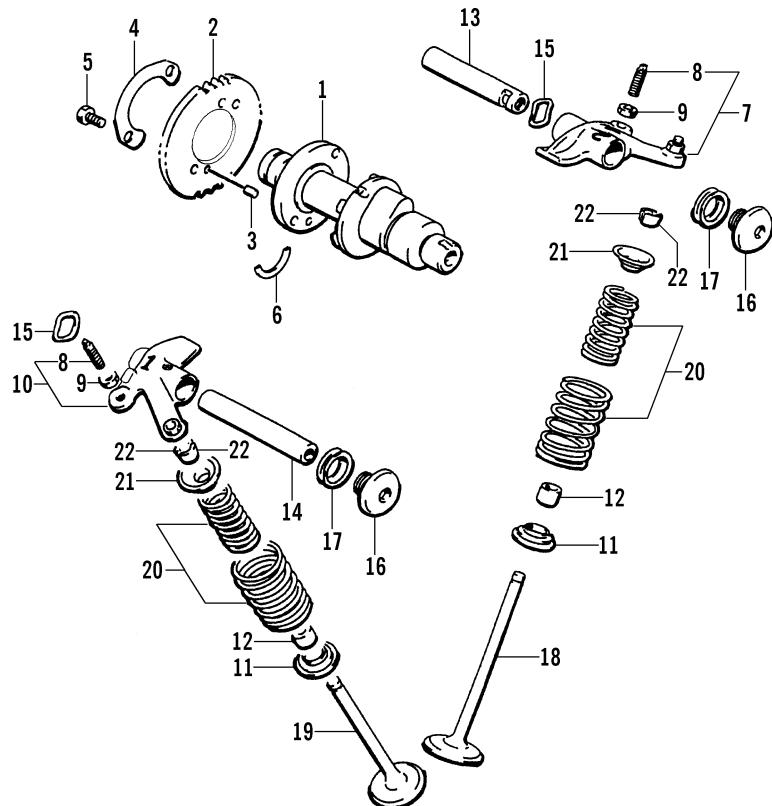
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-603	1	Gear, Starter Idler - No. 1	5	3402-690	1	Clutch, Starter - Set (inc. 6)
2	3402-124	1	Gear, Starter Idler - No. 2	6	3402-674	1	● Bearing
3	3423-221	1	Pin, Starter Idler Gear No. 1	7	3423-102	6	Bolt
4	3423-397	1	Pin, Starter Idler Gear No. 2				



CRANK BALANCER ASSEMBLY

0737-050

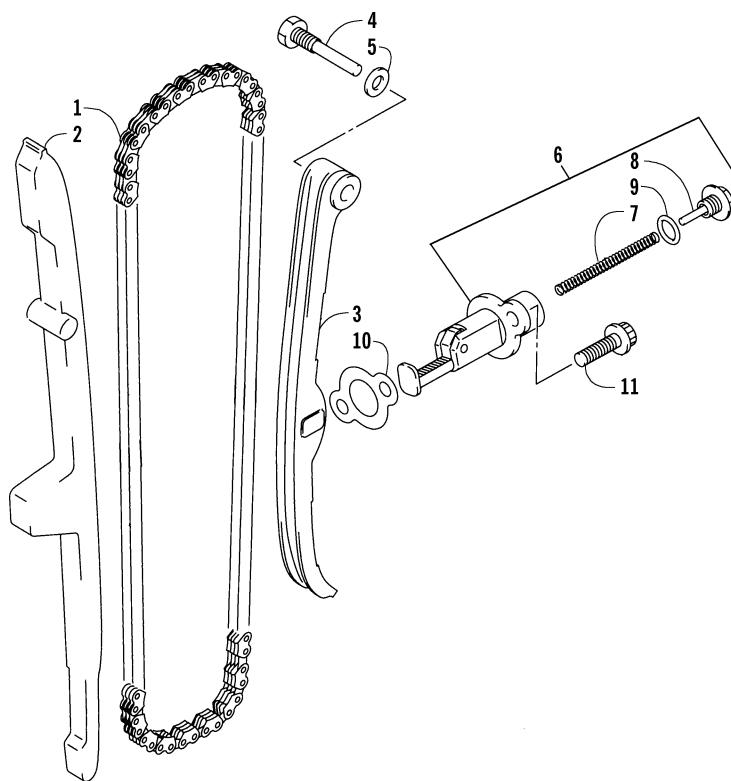
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-605	1	Balancer, Crank	8	3423-441	2	Washer, Driven Gear
2	3402-553	2	Bearing	9	3423-446	1	Washer, Driven Gear No. 2
3	3402-607	1	Gear, Driven - No. 1	10	3402-617	1	Gear, Oil Pump Drive
4	3402-608	1	Gear, Driven - No. 2	11	3423-400	1	Bolt, Drive Gear
5	3402-090	2	Spring, Driven Gear	12	3423-401	1	Washer, Drive Gear
6	3004-540	1	Key	13	3423-110	1	Pin, Drive Gear
7	3423-106	3	Pin, Driven Gear				



CAMSHAFT/VALVE ASSEMBLY

0737-032

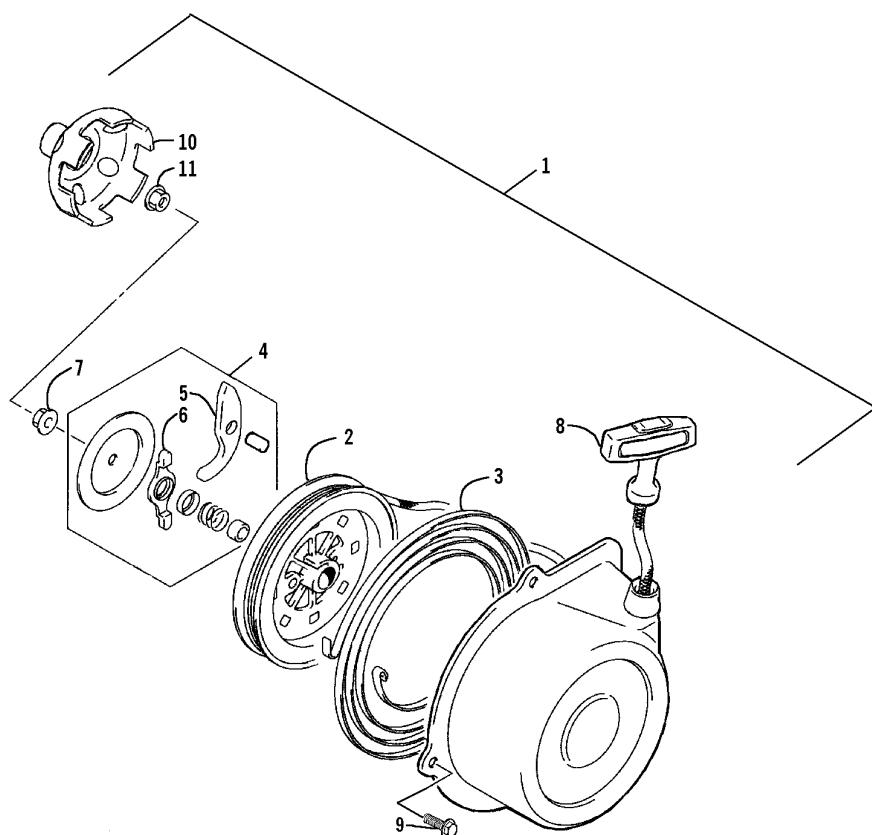
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-609	1	Camshaft	11	3402-148	4	Seat, Spring
2	3402-611	1	Sprocket	12	3402-078	4	Seal, Oil
3	3423-037	1	Pin	13	3402-140	1	Shaft, Rocker Arm
4	3423-073	1	Washer	14	3402-141	1	Shaft, Rocker Arm
5	3423-013	2	Bolt	15	3423-031	2	Washer
6	3423-071	1	C-Ring	16	3402-040	2	Plug, Shaft
7	3402-532	1	Arm, Valve Rocker - Intake (inc. two No. 8-9)	17	3402-012	2	Gasket
8	3423-075	4	● Screw	18	3402-142	2	Valve, Intake
9	3423-076	4	● Nut	19	3402-143	2	Valve, Exhaust
10	3402-139	1	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)	20	3402-144	4	Spring, Valve - Set
				21	3402-146	4	Retainer, Spring
				22	3402-147	8	Cotter, Valve



CAM CHAIN ASSEMBLY

0737-051

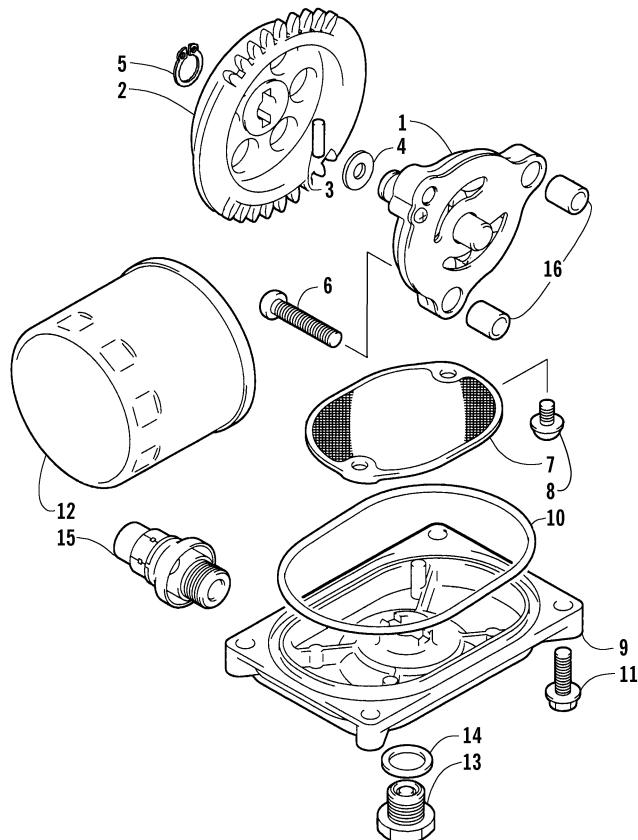
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-281	1	Chain, Cam	7	3423-484	1	● Spring
2	3402-612	1	Guide, Cam Chain	8	3423-285	1	● Plug
3	3402-613	1	Tensioner, Cam Chain	9	3423-286	1	● O-Ring
4	3423-074	1	Bolt	10	3402-287	1	Gasket, Adjuster
5	3003-188	1	Washer	11	3004-576	2	Bolt
6	3402-614	1	Adjuster, Tensioner - Assembly (inc. 7-9)				



RECOIL STARTER ASSEMBLY

0737-034

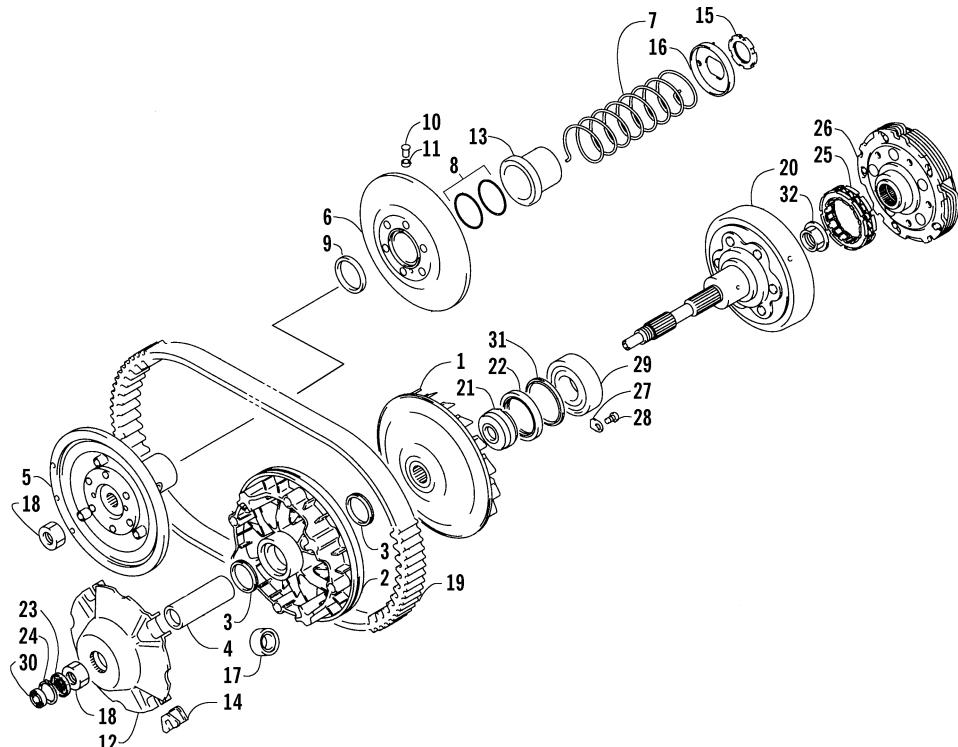
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3445-003	1	Starter, Recoil - Assembly (inc. 2-8)	7	3004-488	1	● Nut
2	3445-004	1	● Reel	8	3445-011	1	● Rope Assembly
3	3445-007	1	● Spring, Sprial	9	3423-428	4	Screw, Cap
4	3445-016	1	● Ratchet - Assembly (inc. 5-6)	10	3445-027	1	Cup, Starter
5	3445-005	1	● ● Ratchet	11	3004-491	1	Nut
6	3445-006	1	● ● Guide, Ratchet				



OIL FILTER/PUMP ASSEMBLY

0737-035

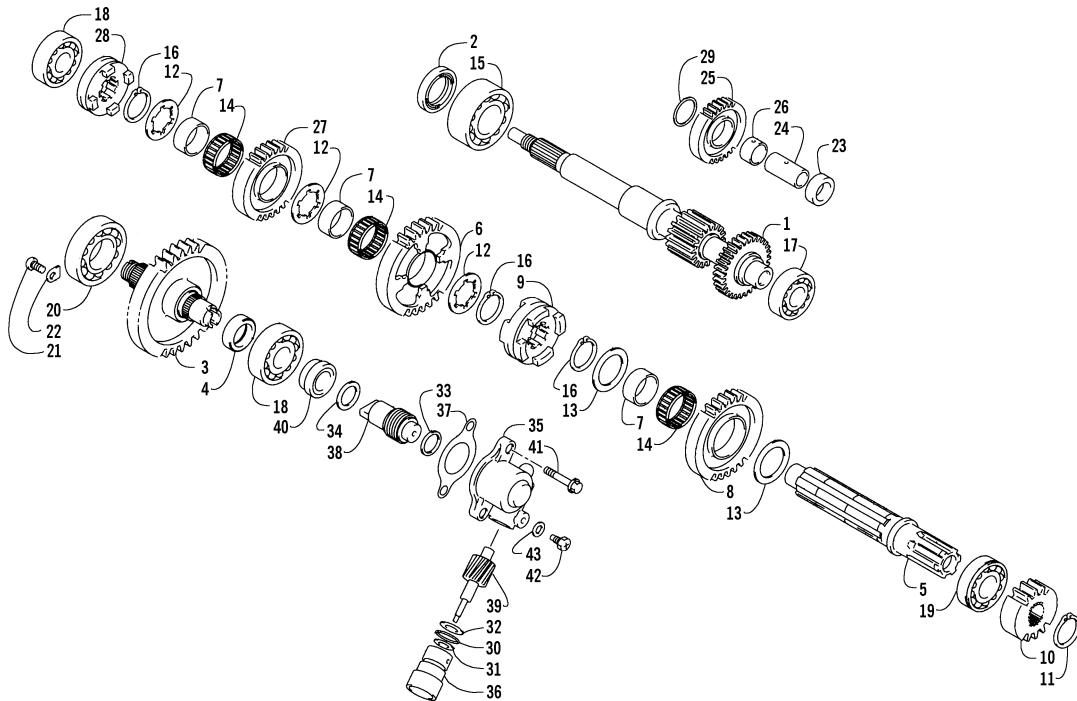
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-619	1	Pump, Oil	9	3402-157	1	Cap, Oil Strainer
2	3402-618	1	Gear, Driven	10	3423-077	1	O-Ring
3	3423-046	1	Pin	11	3004-756	4	Screw, Cap
4	3423-443	1	Washer	12	0436-146	1	Filter, Oil
5	3423-184	1	Circlip	13	3402-036	1	Plug, Drain
6	3423-113	3	Screw	14	3402-012	1	Gasket, Drain Plug
7	3402-156	1	Strainer, Oil	15	3402-154	1	Valve, Assembly - Oil Relief
8	0693-389	2	Screw	16	3005-206	2	Pin, Oil Pump



TRANSMISSION ASSEMBLY

0737-052

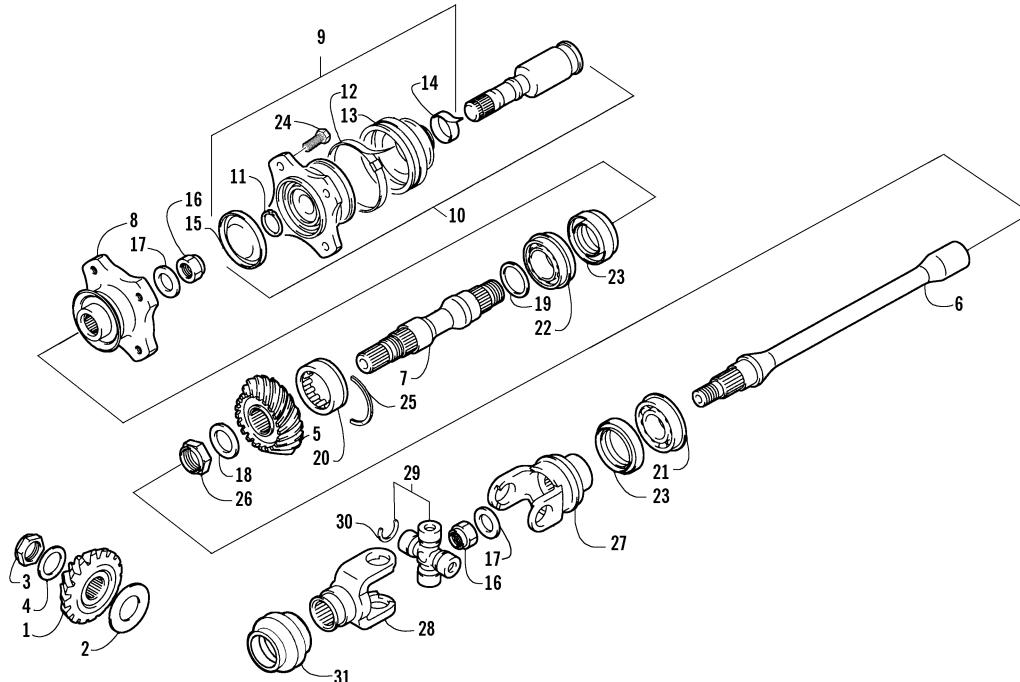
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-622	1	Face, Fixed Drive	17	3402-633	8	Roller, Movable Drive Face
2	3402-623	1	Face, Movable Drive	18	3423-437	2	Nut
3	3402-624	2	Seal, Movable Drive Face	19	3402-664	1	V-Belt
4	3402-625	1	Spacer, Movable Drive Face	20	3402-620	1	Housing, Clutch
5	3402-626	1	Face, Fixed Driven	21	3402-621	1	Spacer, Fixed Drive Face
6	3402-627	1	Face, Movable Driven	22	3402-535	1	Seal, Clutch Housing
7	3423-486	1	Spring, Movable Driven Face	23	3402-574	1	Seal, Clutch Housing
8	3423-487	2	O-Ring, Movable Driven Face	24	3423-505	1	Circlip
9	3402-629	2	Seal, Movable Driven Face	25	3446-003	1	Clutch, One Way
10	3402-477	3	Pin, Movable Driven Face	26	3446-278	1	Shoe, Clutch - Assembly
11	3402-478	3	Spacer, Movable Driven Face	27	3446-031	2	Retainer, Bearing
12	3402-630	1	Plate, Movable Drive Face	28	3423-435	2	Screw, Bearing Retainer
13	3402-631	1	Sleeve, Movable Driven Face	29	3402-567	1	Bearing
14	3402-481	4	Damper, Movable Drive Face	30	3402-693	1	Bearing
15	3423-489	1	Nut, Driven Pulley	31	3423-353	1	O-Ring
16	3402-632	1	Holder, Movable Driven Face Spring	32	3423-501	1	Nut



SECONDARY TRANSMISSION ASSEMBLY

0737-053

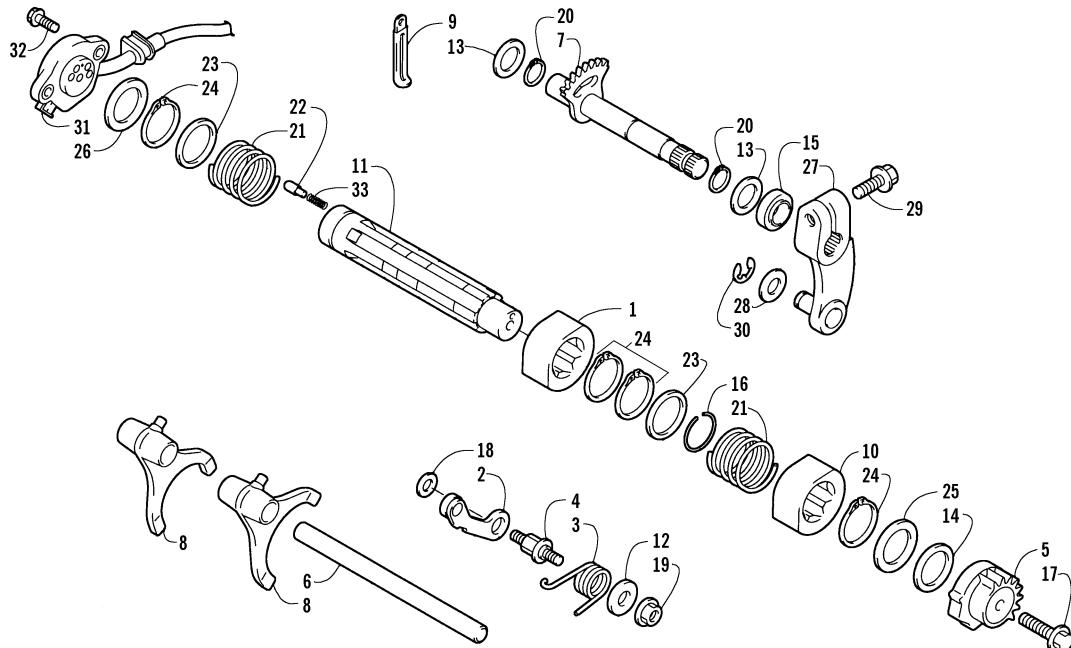
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-665	1	Driveshaft	22	3446-031	2	Retainer, Bearing
2	3402-500	1	Seal, Driveshaft	23	3423-442	1	Spacer, Reverse Idle Gear
3	3402-666	1	Shaft, Output	24	3402-634	1	Shaft, Reverse Idle
4	3423-494	1	Spacer, Output Shaft	25	3402-503	1	Gear, Reverse Idle
5	3402-667	1	Countershaft	26	3446-103	1	Bushing, Reverse Idle Gear
6	3402-668	1	Gear, Driven - Low	27	3402-635	1	Gear, Reverse Driven
7	3402-494	3	Bushing	28	3402-636	1	Dog, Reverse Driven Gear
8	3402-495	1	Gear, Driven - High	29	3402-195	2	Washer, Reverse Idle Gear
9	3402-496	1	Dog, Sliding	30	3423-056	1	O-Ring
10	3402-669	1	Gear, Drive - No. 2	31	3402-077	1	Seal, Driven Gear
11	3423-191	1	Circlip	32	3423-144	1	Washer, Driven Gear
12	3423-263	3	Washer	33	3423-336	1	Washer
13	3423-448	2	Washer	34	3423-502	1	Washer
14	3402-498	3	Bearing	35	3446-057	1	Housing, Speedometer Gear
15	3402-499	1	Bearing, Driveshaft	36	3446-058	1	Sleeve
16	3423-066	3	Circlip	37	3446-244	1	Gasket, Housing
17	3003-261	1	Bearing, Driveshaft - Left	38	3446-284	1	Gear, Drive
18	3402-045	2	Bearing, Shaft	39	3446-285	1	Gear, Driven
19	3004-209	1	Bearing, Shaft	40	3446-114	1	Spacer, Driven Gear
20	3402-180	1	Bearing, Output Shaft	41	3423-346	2	Bolt, Housing
21	3423-435	2	Screw, Bearing Retainer	42	3423-143	1	Screw, Driven Gear
				43	3402-009	1	Washer, Driven Gear



SECONDARY DRIVE ASSEMBLY

0737-868

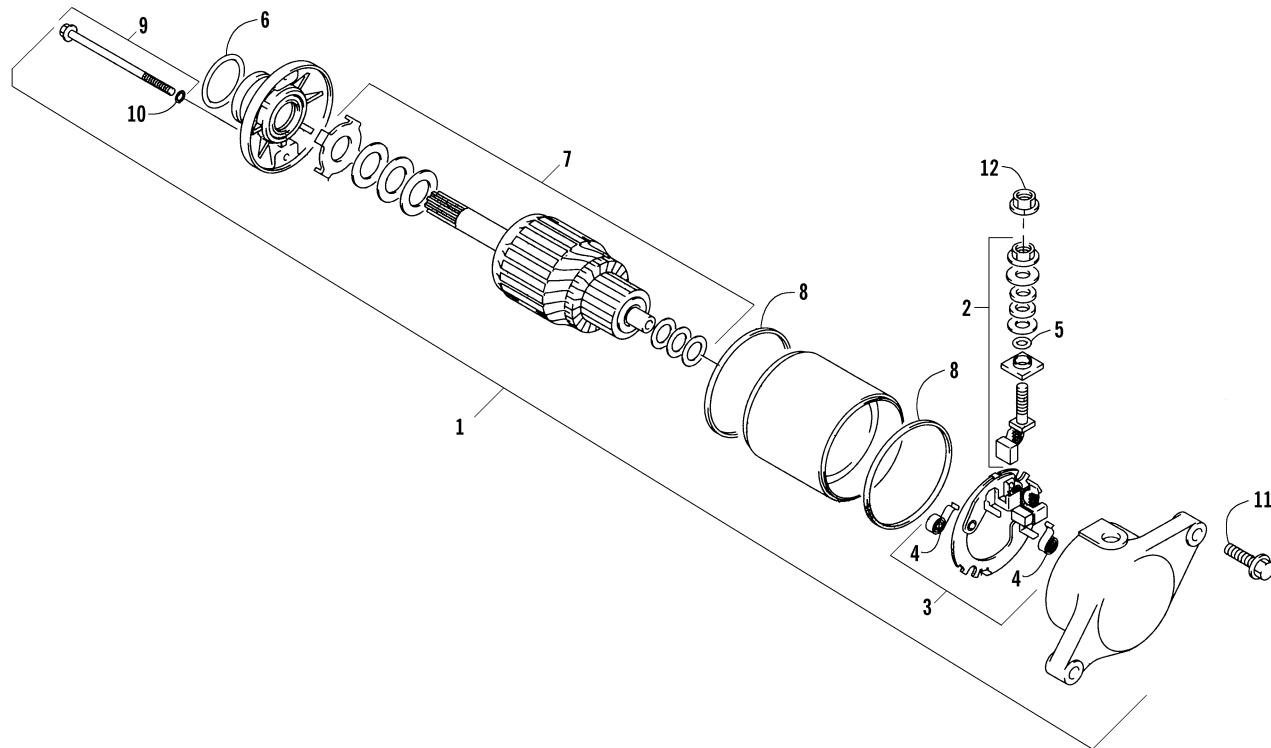
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-637	1	Gear, Secondary Drive	3402-021	AR	Shim, 25 x 34 x 0.80 mm	
2	3446-035	1	Shim, Secondary Drive Gear - Set	3402-022	AR	Shim, 25 x 34 x 0.85 mm	
3	3423-023	1	Nut	3402-023	AR	Shim, 25 x 34 x 0.90 mm	
4	3005-372	1	Washer	3402-024	AR	Shim, 25 x 34 x 0.95 mm	
5	3402-638	1	Gear, Secondary Driven	3402-025	AR	Shim, 25 x 34 x 1.00 mm	
6	3402-559	1	Shaft, Secondary Driven - Front	3402-028	AR	Shim, 25 x 34 x 1.05 mm	
7	3402-639	1	Shaft, Secondary Driven - Rear	3402-029	AR	Shim, 25 x 34 x 1.10 mm	
8	3402-541	1	Flange, Output Joint - Rear	3402-030	AR	Shim, 25 x 34 x 1.15 mm	
9	3435-010	1	Joint, Rear Output - Assembly (inc. 10-15)	3402-031	AR	Shim, 25 x 34 x 1.20 mm	
10	3435-066	1	● Boot, Joint - Set (inc. 11-15)	20	3402-515	1	Bearing, Driven Gear
11	3423-210	1	● ● Ring, Snap	21	3402-558	1	Bearing, Front Secondary Driven Shaft
12	3423-211	1	● ● Band	22	3402-067	1	Bearing, Rear Secondary Driven Shaft
13	3435-067	1	● ● Boot	23	3402-072	2	Seal, Oil - Secondary Driven Shaft
14	3423-212	1	● ● Band	24	8408-820	4	Bolt, Output Joint - Rear
15	3423-356	1	● ● Seal, Plate	25	3423-072	1	C-Ring, Driven Bearing
16	3423-025	2	Nut	26	3423-136	1	Nut, Secondary Driven Gear
17	3423-028	2	Washer	27	3402-560	1	Yoke, Drive Output - Front
18	3423-137	1	Washer, Secondary Driven Gear	28	3402-549	1	Yoke, Propeller Shaft
19	3402-017	AR	Shim, 25 x 34 x 0.60 mm	29	3402-562	1	Joint, Universal - Set (inc. 30)
	3402-018	AR	Shim, 25 x 34 x 0.65 mm	30	3423-479	4	● Circlip
	3402-019	AR	Shim, 25 x 34 x 0.70 mm	31	3402-518	2	Boot, Propeller Shaft
	3402-020	AR	Shim, 25 x 34 x 0.75 mm				



GEAR SHIFTING ASSEMBLY

0737-055

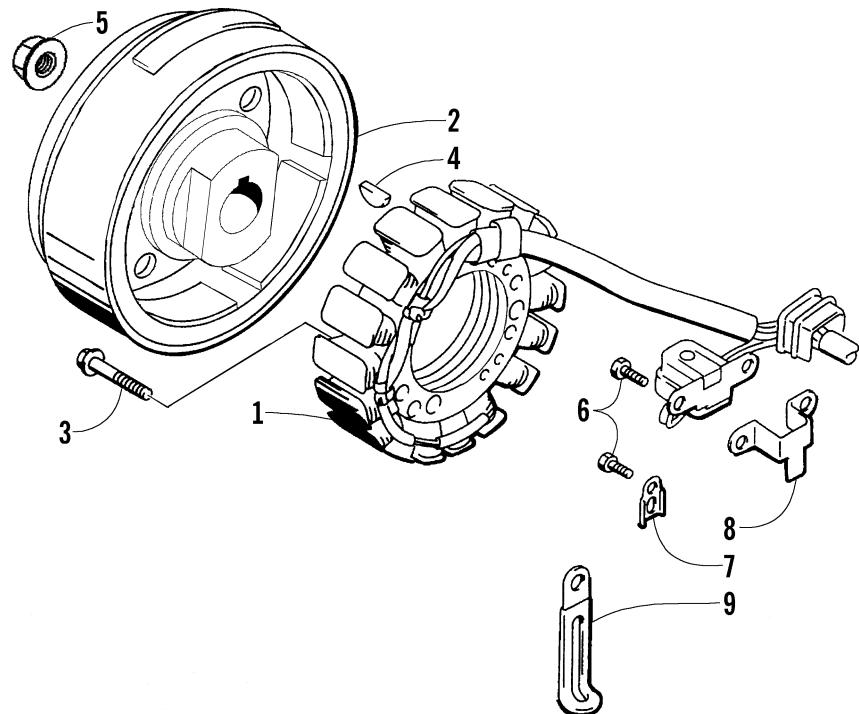
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-640	1	Cam, Reverse	17	3004-376	1	Bolt, Gear Shift Cam Plate
2	3446-043	1	Stopper, Cam	18	3423-141	1	Washer, Cam Stopper
3	3446-283	1	Spring, Cam Stopper	19	3004-488	1	Nut, Cam Stopper Spring
4	3446-048	1	Support, Cam Stopper	20	3423-358	2	Circlip, Sub-Gear Shift Shaft
5	3402-642	1	Plate, Gear Shift Cam	21	3446-280	2	Spring, Cam
6	3402-643	1	Shaft, Shift Fork	22	3423-044	2	Contact
7	3402-644	1	Shaft, Sub-Gear Shift	23	3402-382	2	Washer, Cam Spring
8	3446-073	2	Fork, Shift	24	3423-191	4	Circlip, Cam Spring
9	3002-964	1	Clamp, Wire	25	3402-195	1	Washer, Shift Shaft
10	3402-670	1	Cam, Gear Shift	26	3423-421	1	Washer, Shift Shaft
11	3446-281	1	Shaft, Gear Shift	27	3402-434	1	Arm, Select
12	3423-438	1	Washer, Cam Stopper Spring	28	3423-204	1	Washer, Select Arm
13	1691-043	2	Washer, Sub-Gear Shift Shaft	29	3004-341	1	Bolt, Select Arm
14	3423-446	1	Washer, Gear Shift Cam Plate	30	3423-153	1	E-Ring
15	3402-076	1	Seal, Sub-Gear Shift Shaft	31	3402-686	1	Base, Gear Shift - Assembly
16	3423-416	1	C-Ring, Cam	32	3423-418	2	Bolt
				33	3402-087	2	Spring



STARTER MOTOR ASSEMBLY

0737-056

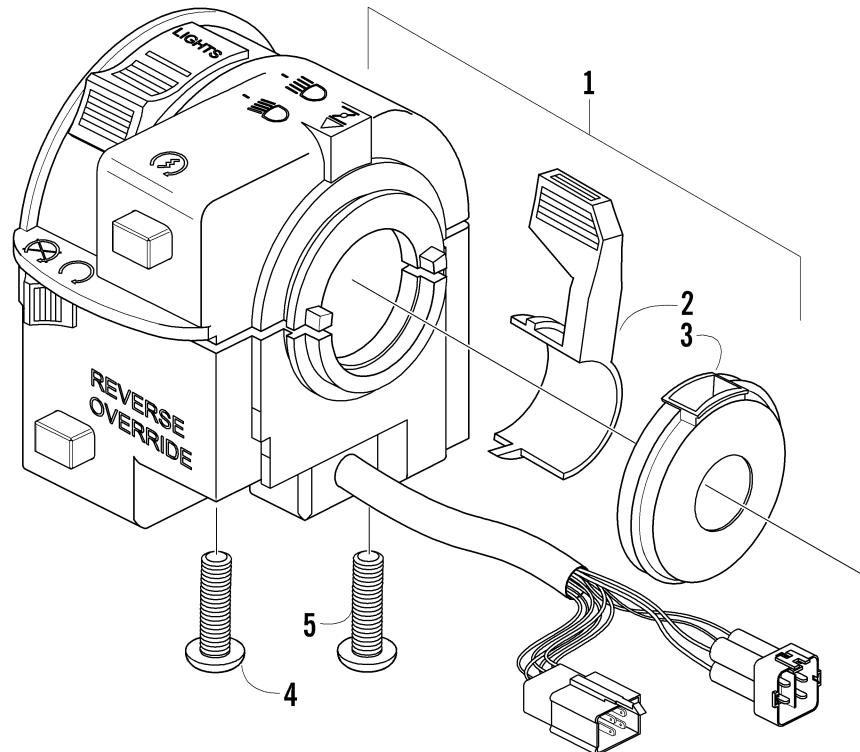
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3545-016	1	Motor, Starter Assembly (inc. 2-10)	7	3008-099	1	● Washer Set
2	3402-671	1	● Terminal Set, Brush	8	3423-497	2	● O-Ring
3	3402-672	1	● Holder Set, Brush	9	3423-498	2	● Through-Bolt (inc. 10)
4	3008-551	4	● ● Spring, Brush	10	3423-496	2	● ● O-Ring
5	3008-164	1	● O-Ring	11	3004-756	2	Bolt
6	3423-272	1	● O-Ring	12	3423-195	1	Nut



MAGNETO ASSEMBLY

0737-033

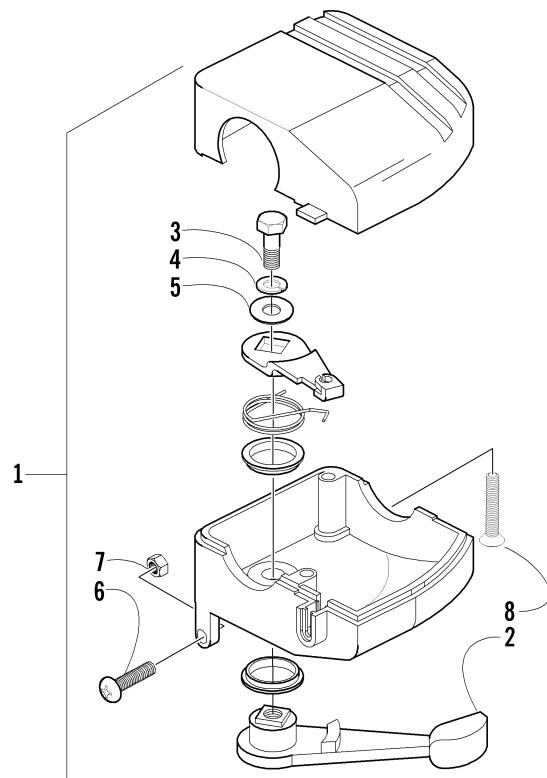
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3430-053	1	Stator Assembly	6	3423-005	3	Bolt
2	3430-054	1	Rotor/Flywheel	7	3430-006	1	Clamp
3	3004-756	3	Bolt	8	3430-005	1	Clamp
4	0691-785	1	Key	9	3002-964	1	Clamp, Wire
5	3423-086	1	Nut				



CONTROL SWITCH HOUSING ASSEMBLY

0737-639

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0409-022	1	Switch, Control - Assembly (inc. 2-5)	4	0409-027	1	● Screw, Cap
2	0409-025	1	● Lever, Choke	5	0409-028	1	● Screw
3	0409-026	1	● Cover, Choke Lever				



THROTTLE CASE ASSEMBLY

0737-633

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3509-003	1	Case, Throttle - Assembly (inc. 2-8)	5	3003-030	1	● Washer
2	3409-001	1	● Lever	6	3423-014	1	● Screw
3	3004-533	1	● Screw, Cap	7	3423-327	1	● Nut
4	3004-447	1	● Washer, Lock	8	3423-199	2	● Screw

RELATED ITEMS

2003 ATV 400 4x4 (Automatic Transmission)

Red (Model No. A2003ATH4BUSR)

Green (Model No. A2003ATH4BUSG)

0436-337	Bag, Rack, Front, Black	0436-287	Snowplow Blade, 50 in. - One-Way
0436-336	Bag, Rack, Rear, Black	0436-296	Snowplow Blade, 60 in. - Straight
0436-185	Bag, Tank, Black	0436-360	Snowplow Blade, 60 in. - One-Way
0436-183	Battery, Heavy Duty	0436-356	Snowplow, Push Frame
0436-432	Brush Guard/Bumper, Deluxe (4x4)	0436-233	Snowplow Remote Angle Adjust
0436-330	Bumper (Rear)	0436-385	Snowplow, Hand Lift Lever Kit
0436-139	Cargo Trailer - Deluxe	0436-026	Tire Chains, Size B (24 in. and 25 in. Tires)
0436-381	Cover, Black and Green	0436-027	Tire Chains, Size C (26 in. Tires)
0436-125	Cover, Gray Universal	0402-154	Tire, Titan AT471 (25x8-12, Deep Lug)
0436-087	Electrical Plug	0402-155	Tire, Titan AT471 (25x10-12, Deep Lug)
0436-199	Gun Scabbard w/Mount	0402-926	Tire, Dunlop KT (25x11-12)
0436-352	Hand/Thumb Warmers	0402-890	Tire, Dunlop KT (25x8-12)
0436-103	Hourmeter	0402-227	Tire, Titan AT495 (26x10.5-12)
2256-690	Illustrated Parts Manual	1402-028	Tire, Titan AT589 (25x8-12, Mud & Snow)
0436-122	Lunch Pack, Black	0402-563	Tire, Titan AT589 (25x10-12, Mud & Snow)
2256-593	Operator's Manual	0436-297	Tool Holder - Double (Pair)
0652-024	Paint, Metal - Black	0436-263	Tool Holder - Single (Pair)
0436-176	Prefilter, Air Filter	0436-068	Winch Accessories Kit
0436-351	Rack Basket (Front)	0436-329	Winch Kit, 2500 lb
0436-350	Rack Basket (Rear)	0436-361	Winch Mounting Kit
0436-349	Rack Extension, 4 in. (Front)	0436-303	Windshield, Clear
0436-225	Rack Extension, 4 in. (Rear)	0436-301	Windshield, Clear w/Accent
0436-226	Rack Extension, 8 in. (Rear)	0436-302	Windshield, Smoke w/Accent
0436-201	Rack Pouch, Standard Rack, Black		
0436-014	Safety Flag		
0436-386	Snowplow Attachment Kit		
0436-228	Snowplow Blade, 50 in. - Straight		

■ NOTE: For a complete list of related items, refer to the current accessory catalog.

