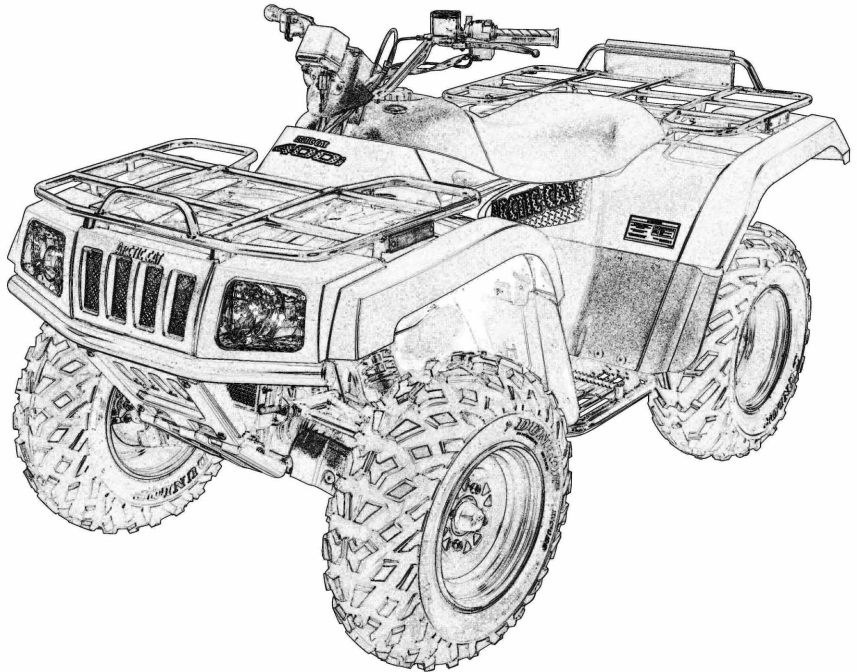


ATV
Illustrated Parts Manual
2003 ARCTIC CAT®



500 FIS
(Automatic Transmission)

Model No.	A2003ISM4BUSR	(Red)
Model No.	A2003ISM4BUSG	(Green)

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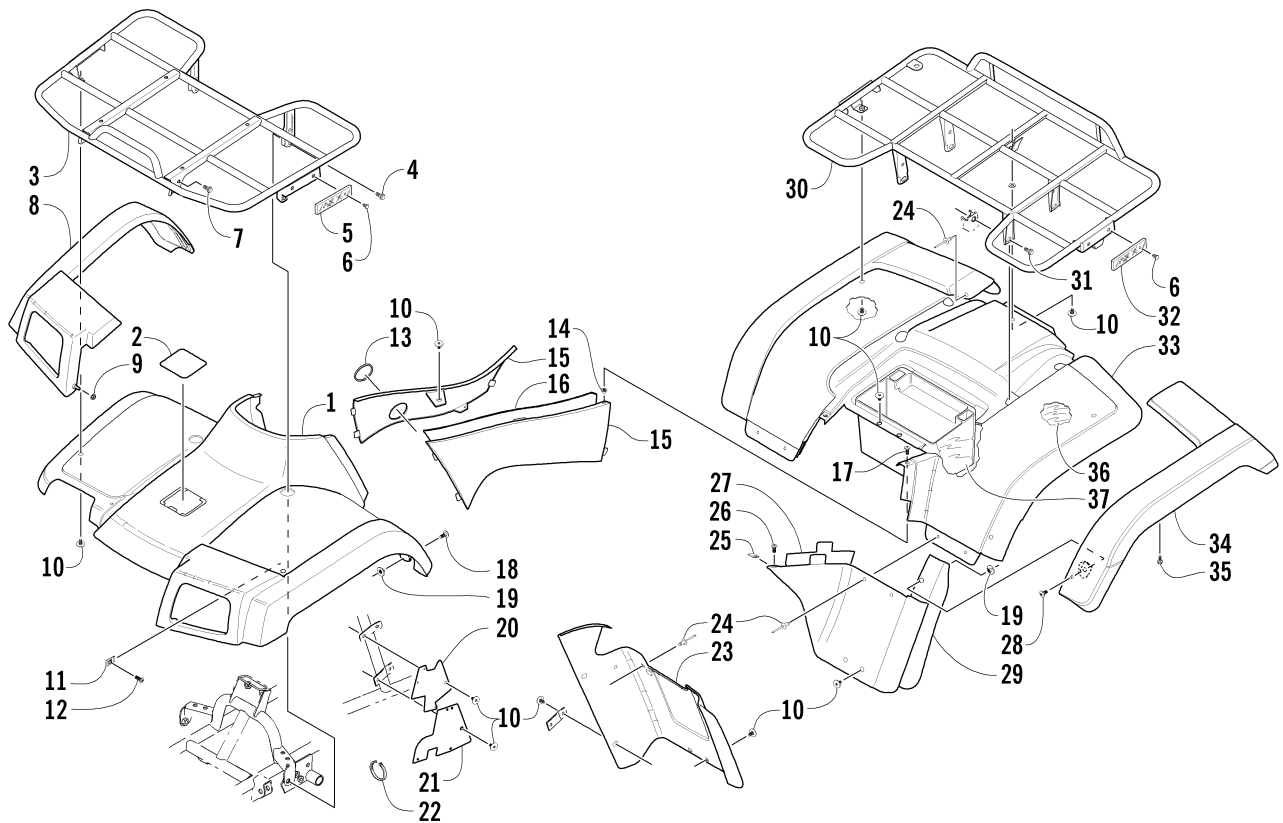
2003 ATV 500 FIS Automatic Transmission

Red (Model No. A2003ISM4BUSR)

Green (Model No. A2003ISM4BUSG)

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■ **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

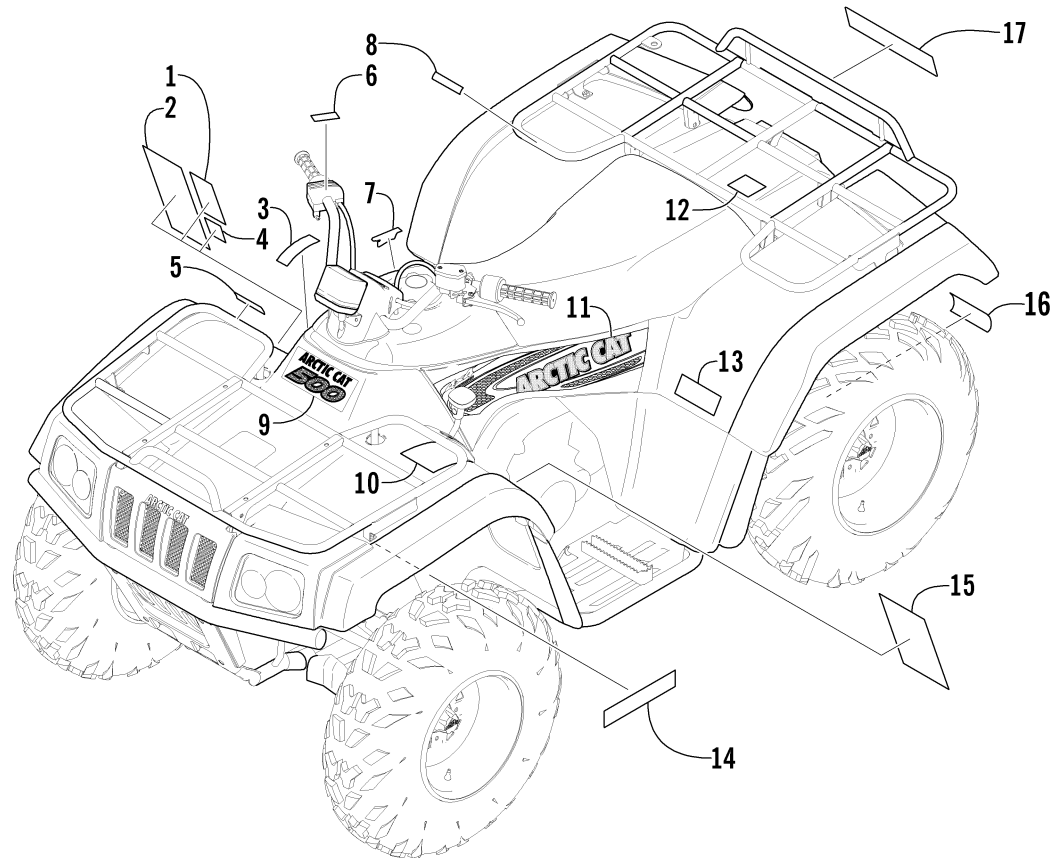
0737-567

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	<u>1406-142</u>	1	● Cover, Access		1406-064	1	Panel, Fender - Inner - Left
	<u>1406-141</u>	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		0506-630	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	<u>1506-042</u>	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	<u>0506-821</u>	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



(Complete Taillight Assembly p/n 0409-002)

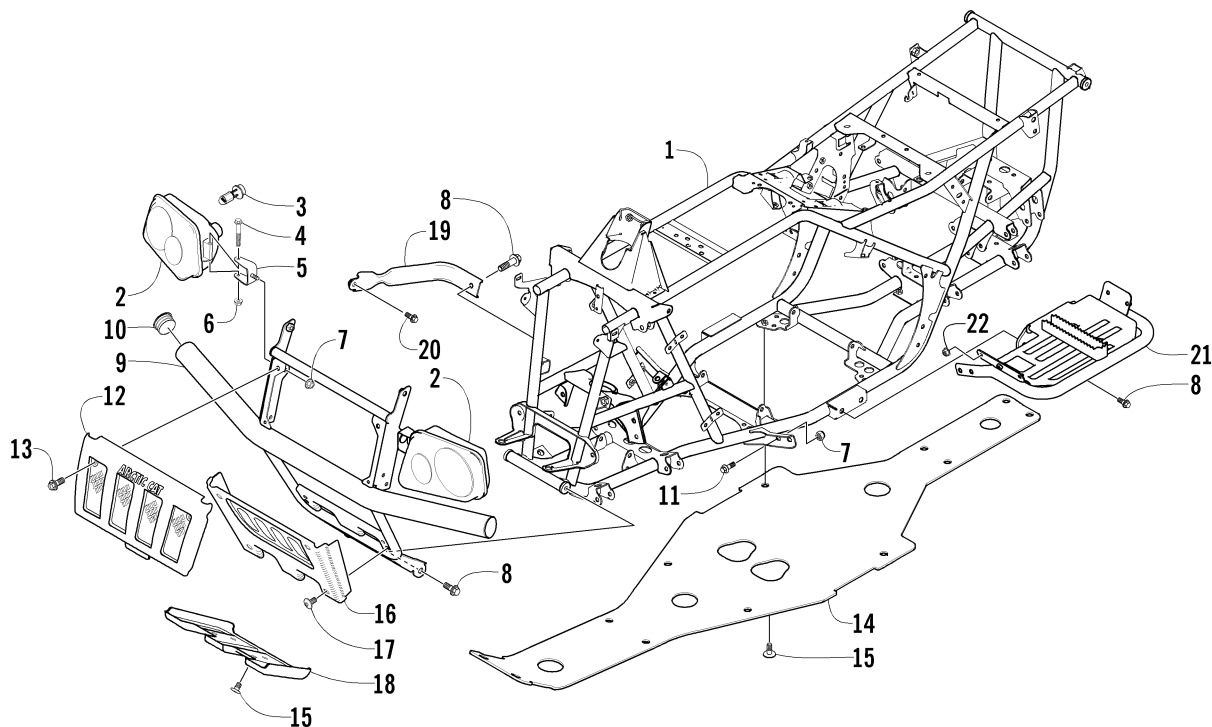
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0109-460	1	Bulb, Stop/Taillight	5	0409-010	2	Screw, Machine
2	0409-011	1	Taillight w/Socket Assembly	6	0623-301	2	Screw, Self-Tapping
3	0409-012	1	Gasket, Taillight Lens	7	8053-212	2	Washer, Lock - External Tooth
4	0409-007	1	Lens, Taillight				



DECALS

0737-691

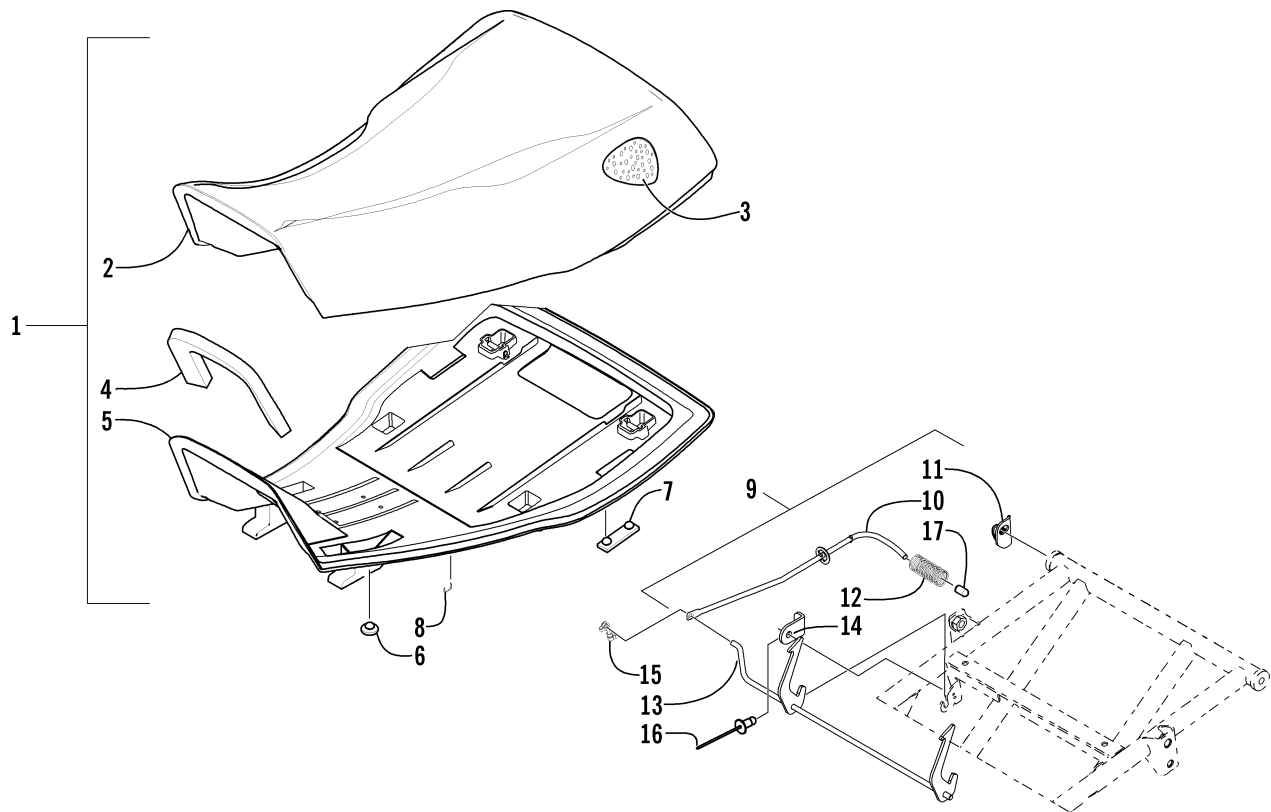
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0411-008	1	Decal, Warning - Reverse/Pre-Ride	11	<u>0411-523</u>	1	Decal, Side - Right
2	0411-045	1	Decal, Warning - Turn		<u>0411-524</u>	1	Decal, Side - Left
3	0411-426	1	Decal, Warning - Clutch Cover		<u>0411-521</u>	1	Decal, Side - Right (Green)
4	0411-011	1	Decal, Caution - Electrical		<u>0411-522</u>	1	Decal, Side - Left (Green)
5	0411-006	1	Decal, Warning - Front Rack Load	12	0411-435	1	Decal, Passenger
6	0411-324	1	Decal, Instruction - Start In Gear	13	0411-430	1	Decal, Warning - Tire Pressure
7	<u>0411-507</u>	1	Decal, "Duramatic"	14	<u>0411-506</u>	1	Decal, CA Emissions
8	0411-007	1	Decal, Warning - Rear Rack Load	15	0411-218	1	Decal, Warning - General
9	<u>0411-538</u>	1	Decal, Front	16	0411-267	1	Decal, Warning - Towing
	<u>0411-537</u>	1	Decal, Front (Green)	17	<u>0411-501</u>	1	Decal, "Arctic Cat"
10	0411-401	1	Decal, Warning - Age				



FRAME AND RELATED PARTS

0737-129

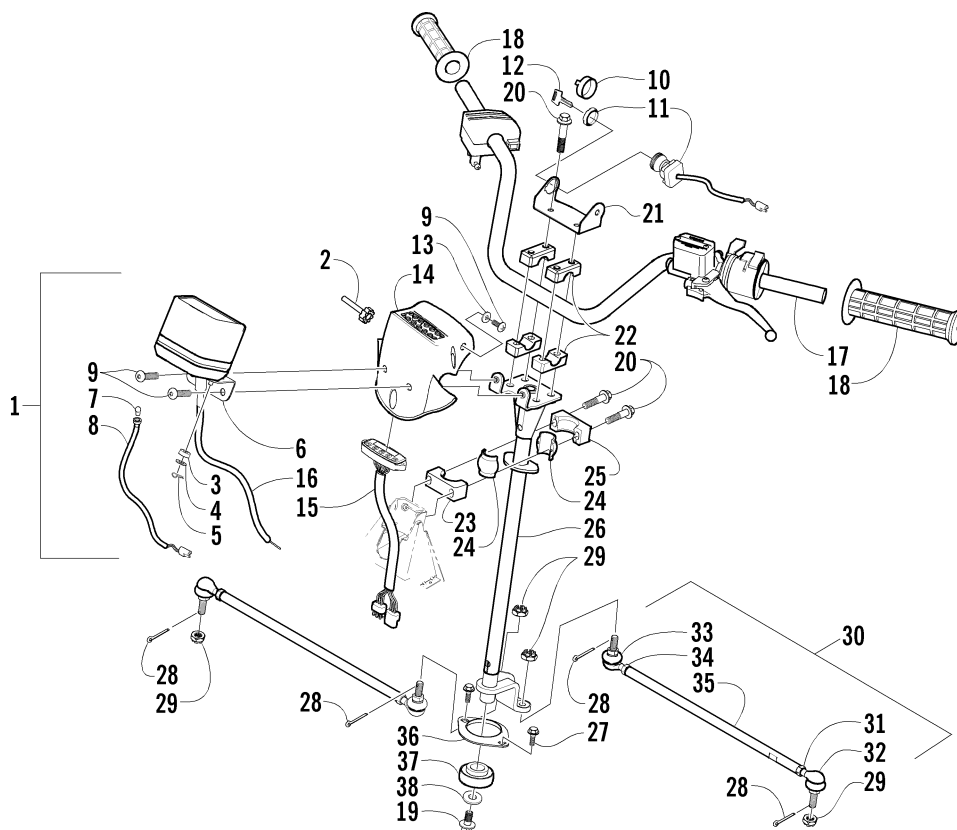
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-815	1	Frame, Main	12	0406-832	1	Grille, Upper
2	0409-032	2	Headlight Assembly - Right (inc. 3-6)	13	0423-361	2	Screw, Machine
	0409-031	2	Headlight Assembly - Left (inc. 3-6)	14	1406-030	1	Panel, Belly
3	0409-045	4	● Bulb, Headlight	15	0423-101	AR	Screw, Body
4	8410-860	2	● Screw, Cap	16	0406-833	1	Grille, Bumper - 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	8424-802	6	Nut	19	0506-653	2	Channel, Bumper Mounting
8	8409-020	8	Screw, Cap	20	8408-812	2	Screw, Cap
9	0506-544	1	Bumper	21	0506-534	1	Footrest - Right
10	0406-130	2	Cap, Bumper		0506-732	1	Footrest - Left
11	8408-816	4	Screw, Cap	22	8424-602	2	Nut



SEAT ASSEMBLY

0737-561

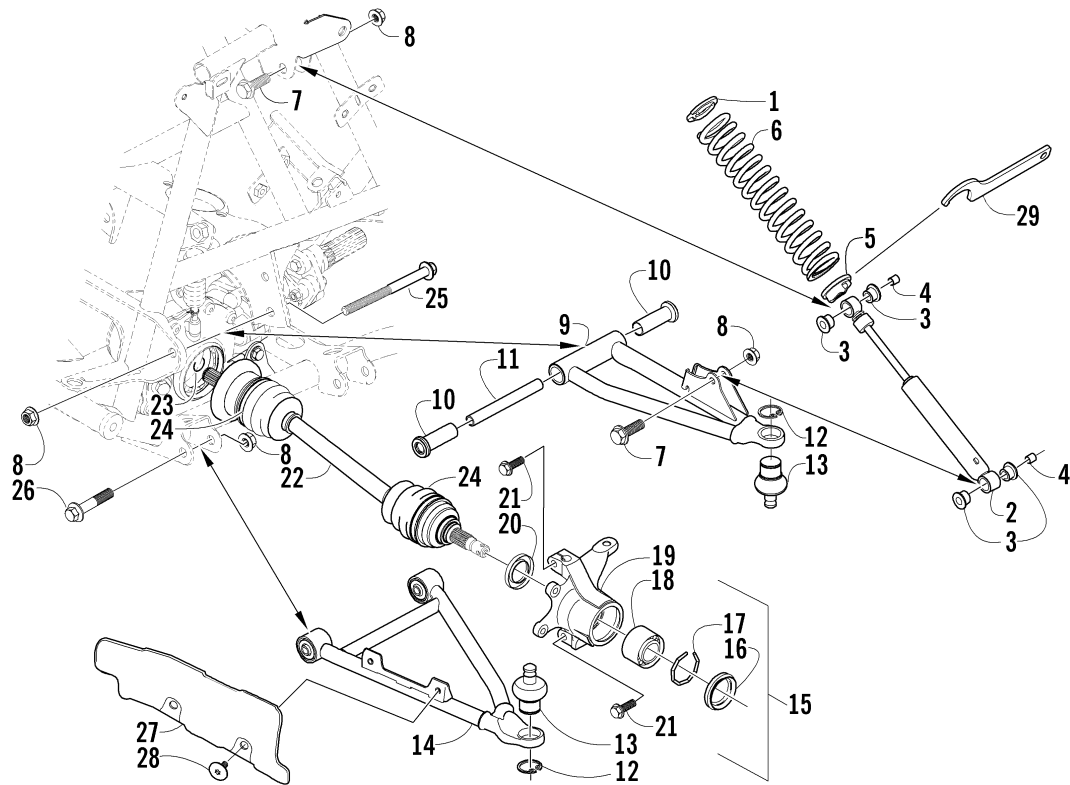
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-558	1	Seat Assembly (inc. 2-8)	10	0506-701	1	● Rod, Seat Release
2	0506-556	1	● Cover, Seat	11	1406-004	1	● Bracket, Seat Release
3	0506-555	1	● Foam, Seat	12	1406-005	1	● Spring, Seat Release
4	1406-060	1	● Foam, Sound	13	<u>0506-796</u>	1	Latch, Seat
5	0406-878	1	● Base, Seat Assembly (inc. 6-7)	14	<u>1406-087</u>	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

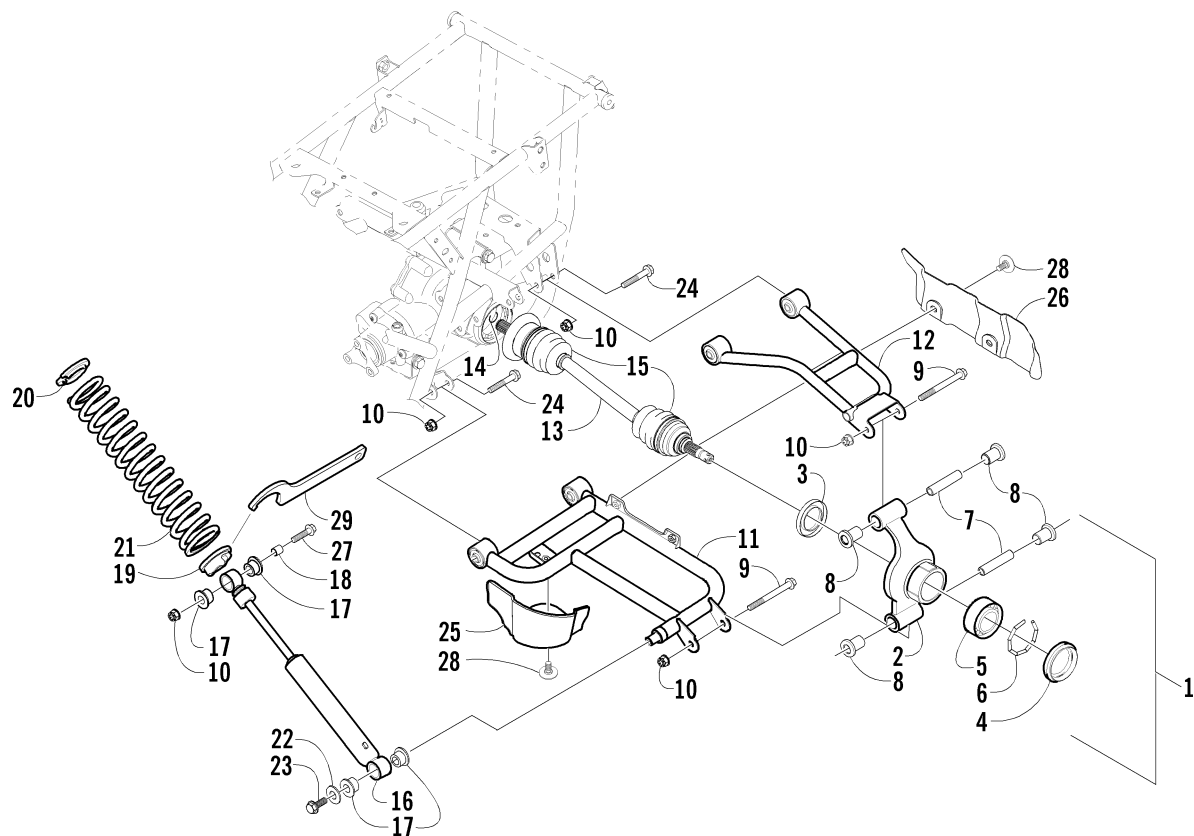
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0420-041	1	Speedometer (inc. 2-8)	19	8409-020	1	Screw, Cap
2	0420-027	1	● Knob, Speedometer Trip	20	8408-860	6	Screw, Cap
3	0420-016	2	● Mount, Rubber	21	0506-348	1	Bracket, Key Switch
4	0420-017	2	● Washer	22	0405-035	4	Cap, Steering Adjuster
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	0505-425	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	0505-408	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	0405-107	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	0505-410	1	Tube, Handlebar	38	0423-073	1	Washer
18	0405-106	2	Grip, Handlebar				



FRONT SUSPENSION ASSEMBLY

0737-695

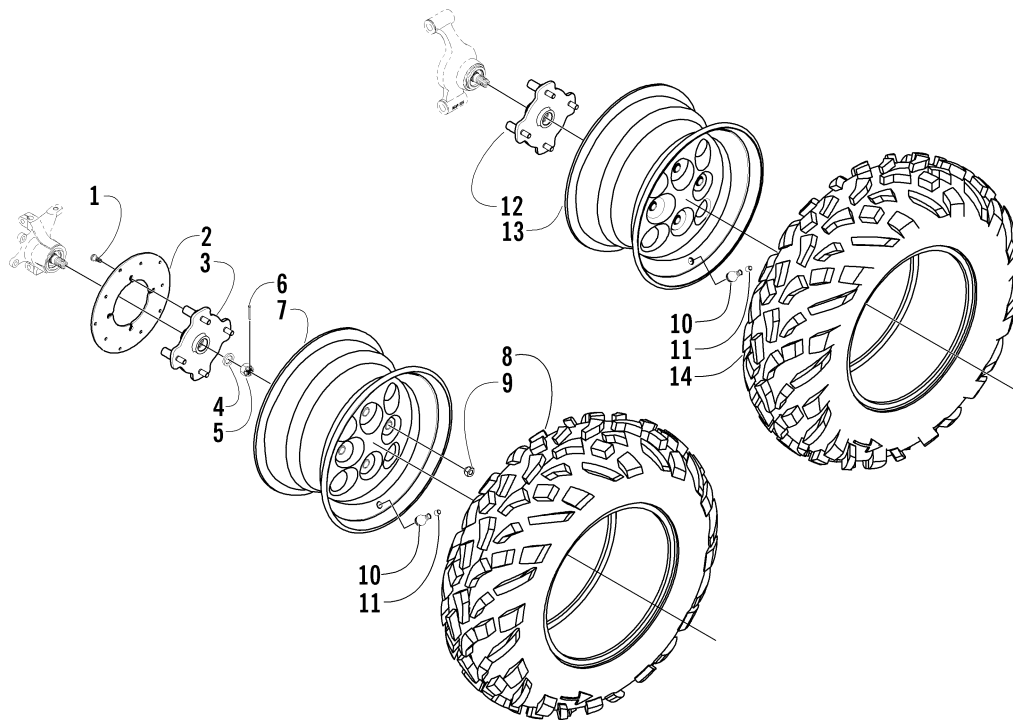
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1603-889	2	Retainer, Spring	16	0402-089	2	● Seal, Wheel Bearing - Front
2	<u>0403-111</u>	2	Shock Absorber - Front (inc. 3-4)	17	0423-034	2	● Clip, Bearing
3	0604-310	8	● Bushing, Shock Absorber	18	0402-275	2	● Bearing, Wheel Hub - Front
4	0403-028	4	● Sleeve, Shock	19	0505-062	1	● Knuckle, Steering - Right
5	<u>0403-102</u>	2	Cam, Spring Adjuster		0505-063	1	● Knuckle, Steering - Left
6	0403-091	2	Spring, Shock Absorber	20	0402-069	2	● Seal, Wheel Bearing - Rear
7	8409-040	4	Screw, Cap	21	8409-030	4	Screw, Cap
8	8428-002	10	Nut, Lock	22	0402-907	2	Axle, Drive - Front (inc. 23-24)
9	0503-128	1	A-Arm, Upper Right - Assembly (inc. 10-13)	23	0441-400	2	● Clip, Retaining
	0503-129	1	A-Arm, Upper Left - Assembly (inc. 10-13)	24	0436-276	4	● Repair Kit, Boot - Front Axle
10	0403-081	4	● Bushing	25	0423-334	2	Screw, Cap
11	0403-080	2	● Collar	26	8409-060	4	Screw, Cap
12	0423-009	4	● Clip, Ball Joint	27	1406-034	1	Guard, Boot - Axle - Right
13	<u>0405-115</u>	4	● Ball Joint - Front		1406-035	1	Guard, Boot - Axle - Left
14	0503-124	1	A-Arm, Lower Right (inc. 12-13)	28	0423-101	4	Screw, Body
	0503-125	1	A-Arm, Lower Left (inc. 12-13)	29	<u>0441-587</u>	1	Wrench, Spanner
15	0505-026	1	Knuckle - Assembly - Right (inc. 16-20)				
	0505-027	1	Knuckle - Assembly - Left (inc. 16-20)				



REAR SUSPENSION ASSEMBLY

0737-579

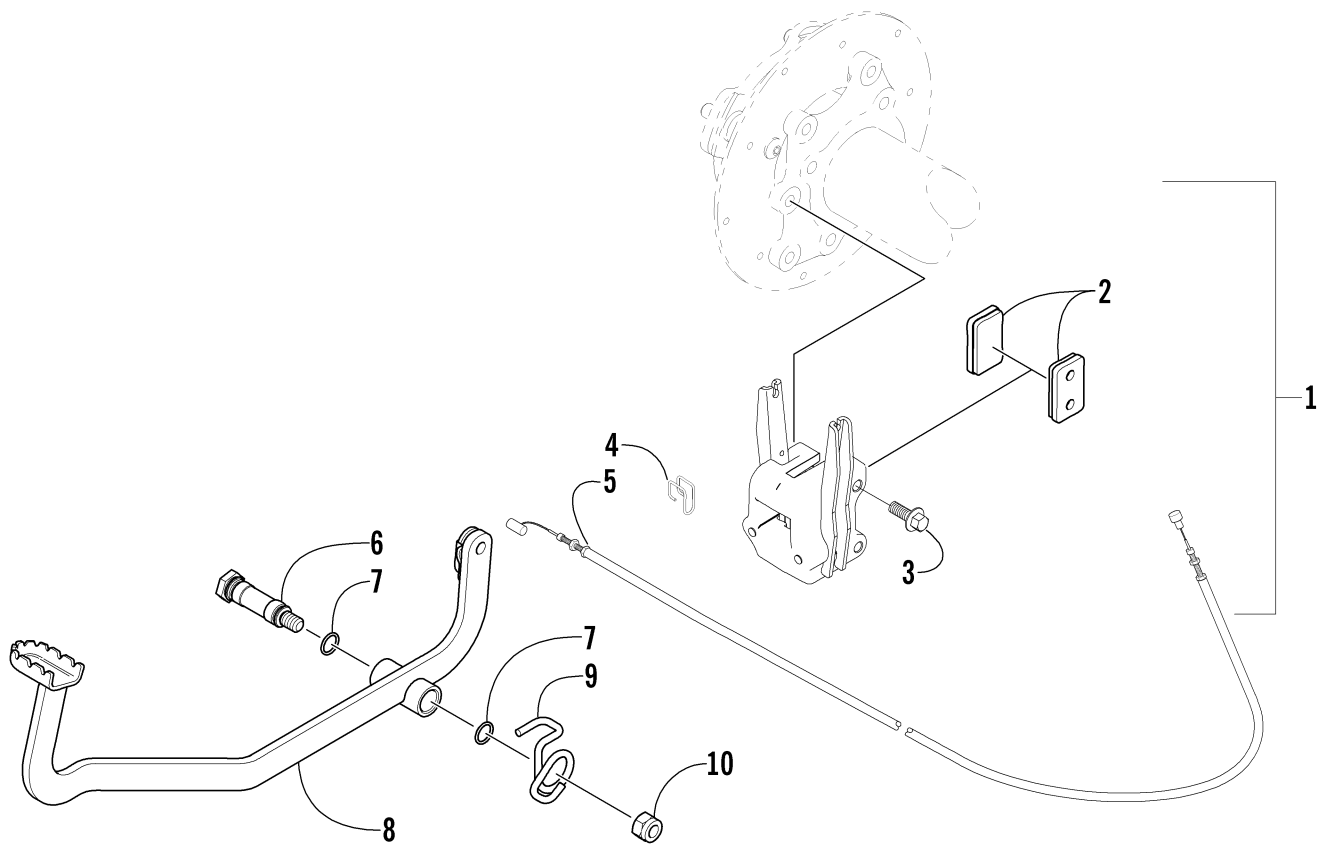
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-226	1	Knuckle, Right Rear - Assembly (inc. 2-6)	15	0436-276	4	● Repair Kit, Boot - Rear Axle
	0504-227	1	Knuckle, Left Rear - Assembly (inc. 2-6)	16	0404-045	2	Shock Absorber - Rear (inc. 17-18)
2	0504-224	1	● Knuckle - Right	17	0604-310	8	● Bushing, Shock Absorber
	0504-225	1	● Knuckle - Left	18	0403-028	2	● Sleeve, Shock Absorber
3	0402-069	2	● Seal, Wheel Bearing - Rear	19	0404-057	2	Cam, Spring Adjuster
4	0402-089	2	● Seal, Wheel Bearing - Front	20	1603-889	2	Retainer, Spring
5	0402-275	2	● Bearing, Wheel	21	0404-046	2	Spring, Suspension
6	0423-034	2	● Clip, Bearing	22	0423-087	2	Washer
7	0403-038	4	Collar, Suspension Bushing	23	8408-820	2	Screw, Cap
8	0403-032	8	Bushing, Suspension	24	8409-060	8	Screw, Cap
9	8409-000	4	Screw, Cap	25	1406-071	1	Guard, Boot - Right
10	8428-002	14	Nut, Lock		1406-072	1	Guard, Boot - Left
11	0504-228	1	A-Arm, Rear - Lower Right	26	1406-068	1	Guard, Boot - Right
	0504-229	1	A-Arm, Rear - Lower Left		1406-069	1	Guard, Boot - Left
12	0504-232	1	A-Arm, Rear - Upper Right	27	8409-040	2	Screw, Cap
	0504-233	1	A-Arm, Rear - Upper Left	28	0423-101	6	Screw, Body
13	0402-907	2	Axle, Drive (inc. 14-15)	29	0441-587	1	Wrench, Spanner
14	0441-400	2	● Clip, Retaining				



WHEEL AND TIRE ASSEMBLY

0737-698

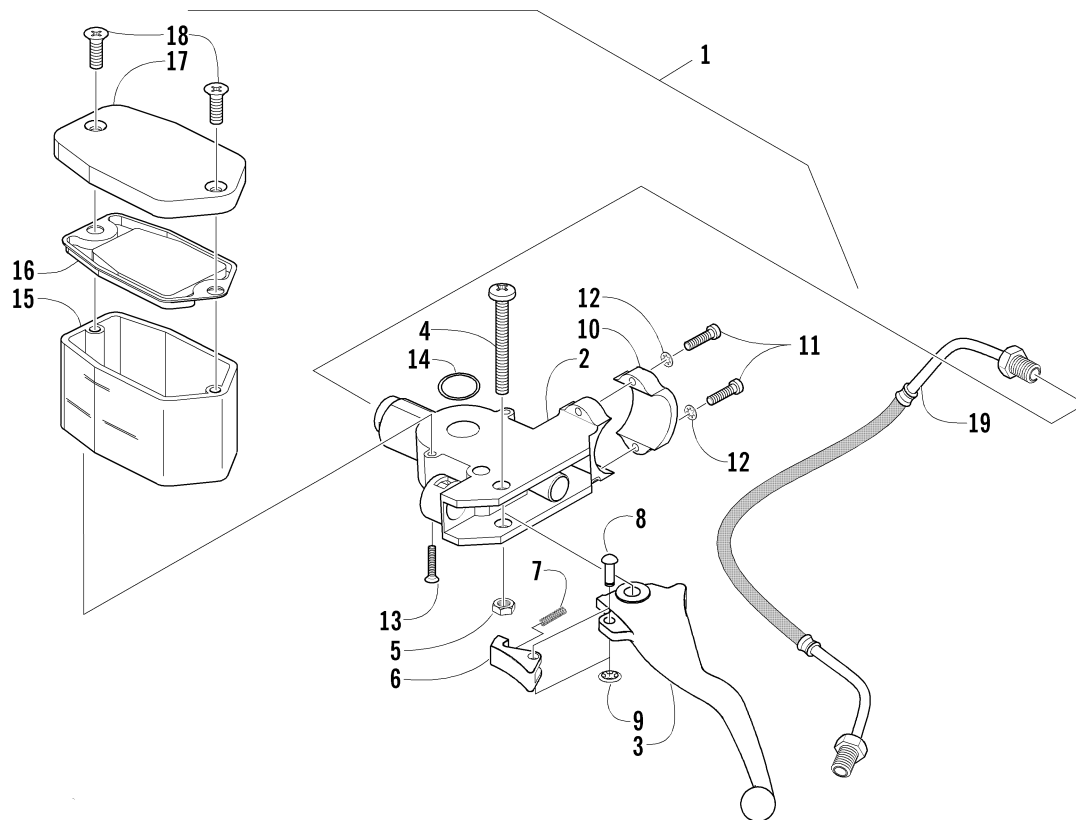
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-029	12	Screw, Machine	9	0423-408	16	Nut, Mounting - Wheel
2	0402-874	3	Disc, Brake	10	0402-064	4	Stem, Valve (inc. 11)
3	<u>0502-360</u>	2	Hub, Wheel - Front	11	0402-140	4	● Cap, Valve Stem
4	0402-181	4	Seal, Hub	12	<u>0502-359</u>	1	Hub, Wheel - Left
5	0423-394	4	Nut, Castle		<u>0502-360</u>	1	Hub, Wheel - Right
6	0423-407	4	Pin, Cotter	13	0402-858	2	Wheel - Rear
7	0402-856	2	Wheel - Front	14	0402-926	2	Tire - Rear
8	0402-890	2	Tire - 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	8408-825	2	Screw, Cap	8	0502-236	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

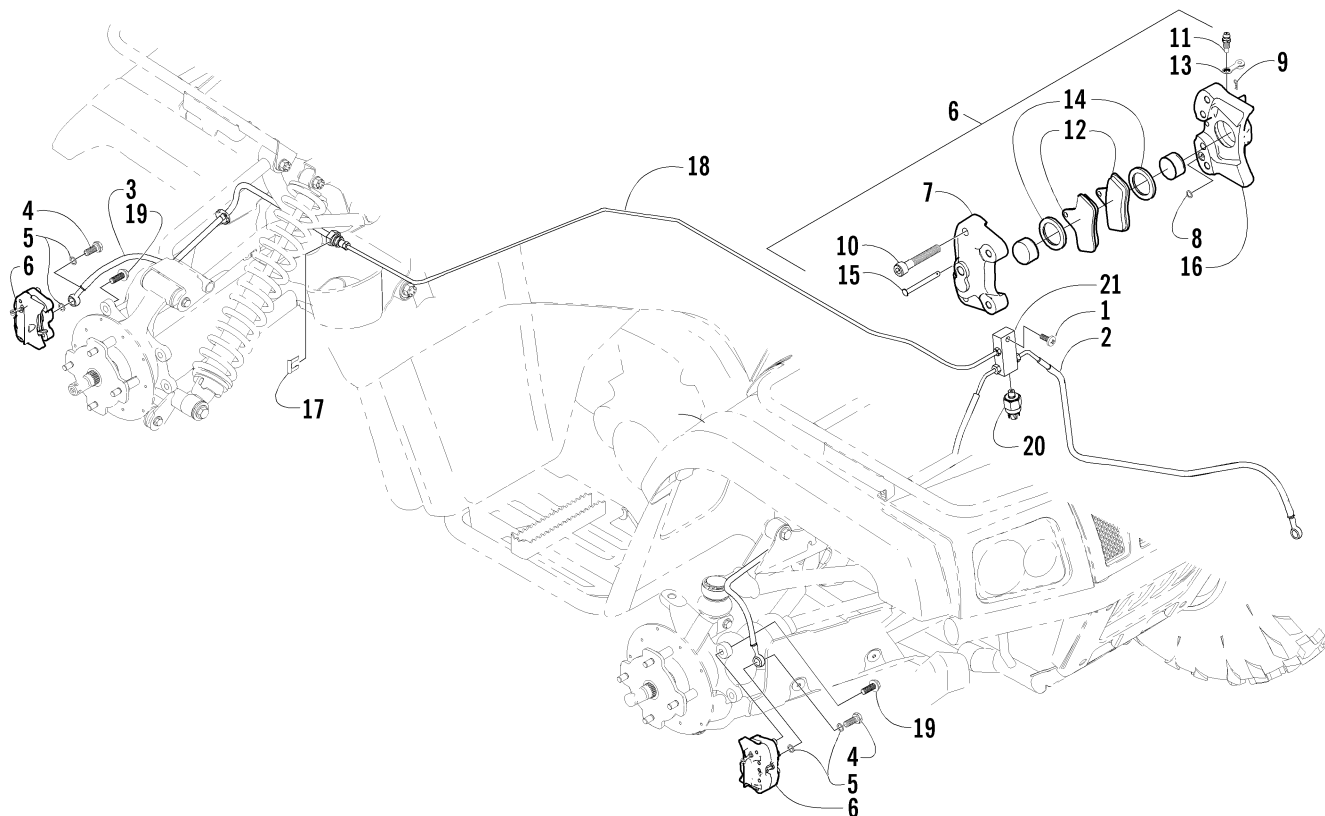


HYDRAULIC HAND BRAKE ASSEMBLY

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

0737-682 *Not a Service Part

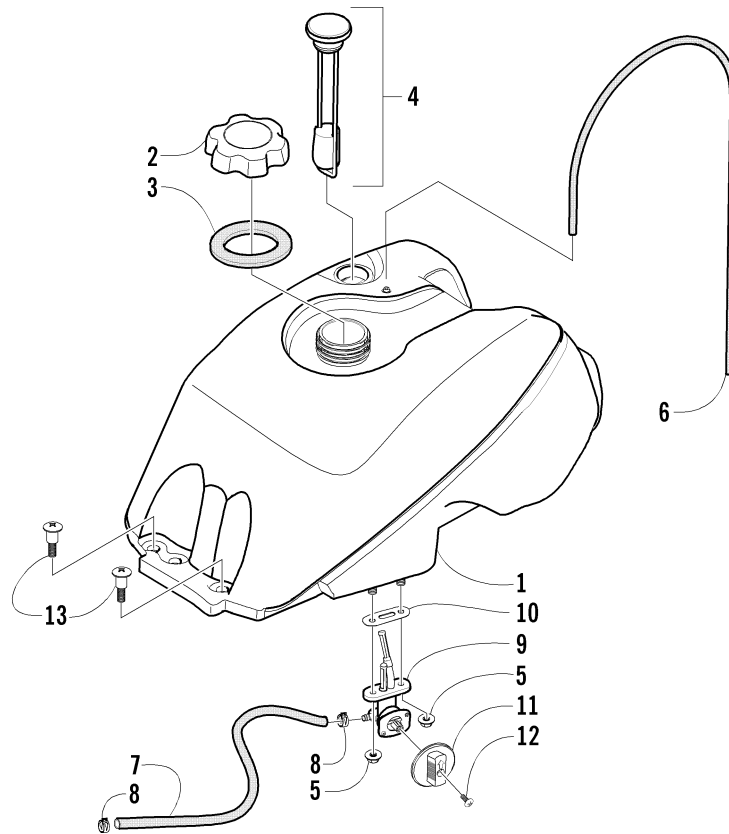
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-387</u>	1	Brake Assembly (inc. 2-18)	11	0623-613	2	● Screw, Machine
2	*	1	● Master Cylinder	12	8052-212	2	● Washer, Lock - Internal Tooth
3	0402-818	1	● Lever, Brake	13	0623-432	2	● Screw, Master Cylinder Mounting
4	0623-430	1	●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



HYDRAULIC BRAKE ASSEMBLY

0737-869 *Not a Service Part

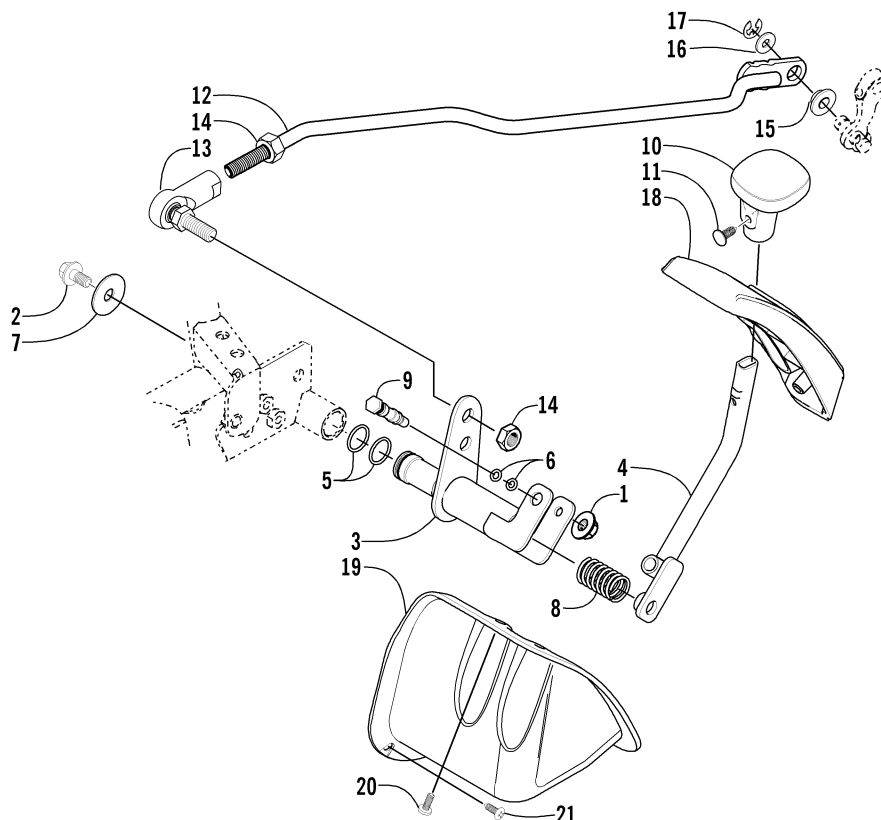
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8476-630	1	Screw, Cap	11	0402-493	3	● Cap, Bleed Valve
2	0402-961	2	Hose, Brakeline - Front	12	0402-882	6	● Pad, Brake
3	0402-956	1	Hose, Brakeline - Rear	13	0402-491	3	● Valve, Bleed
4	0423-413	3	Bolt, Banjo Fitting	14	0402-980	6	● O-Ring, 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	<u>1402-008</u>	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>1402-005</u>	1	Block, Junction



GAS TANK ASSEMBLY

0736-991

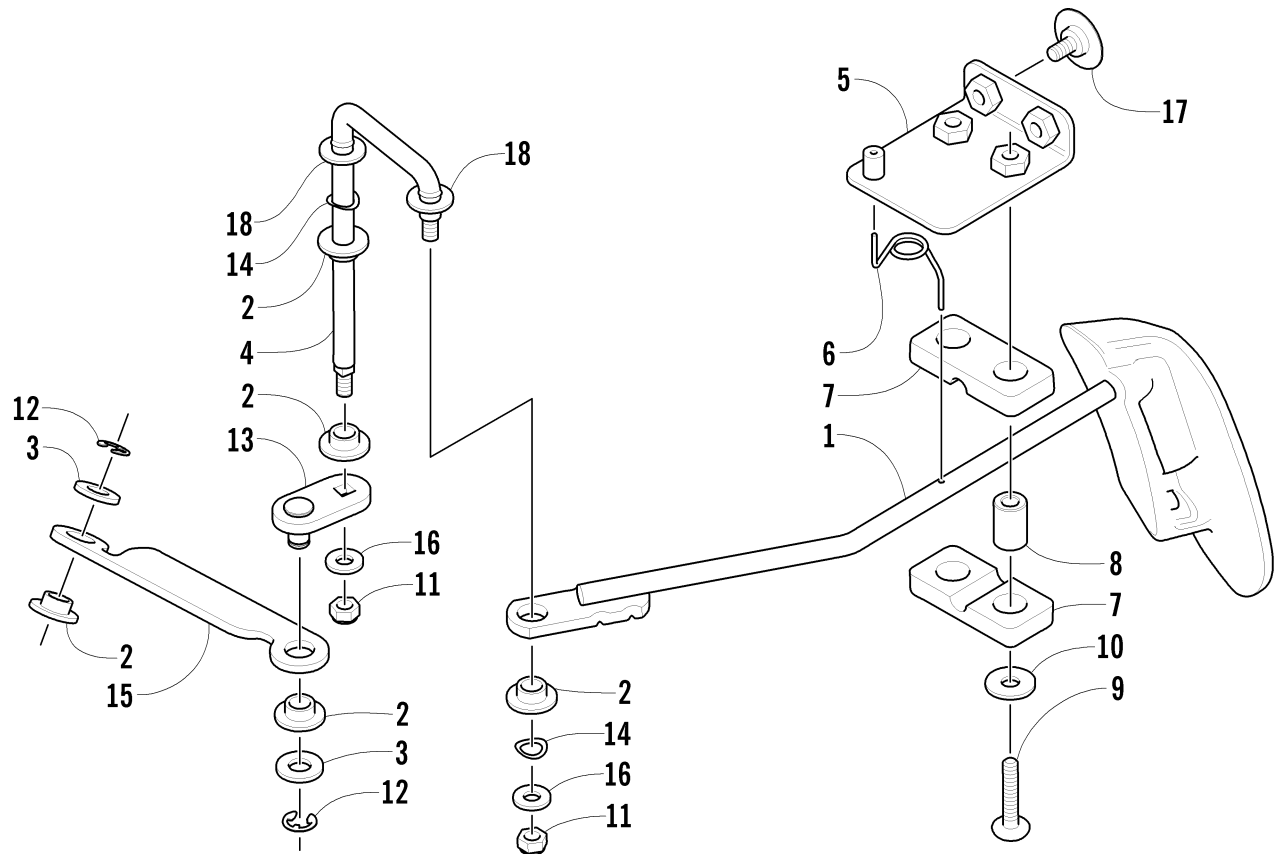
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0570-066	1	Tank, Gas - Assembly (inc. 2-10)	8	0423-152	2	● Clamp, Hose - Spring
2	0470-438	1	● Cap, Gas Tank (inc. 3)	9	0470-445	1	● Valve, Fuel Shut-Off (inc. 10)
3	0109-733	1	●● Gasket, Tank Cap	10	0470-364	1	●● Gasket, Fuel Shut-Off Valve
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

0737-699

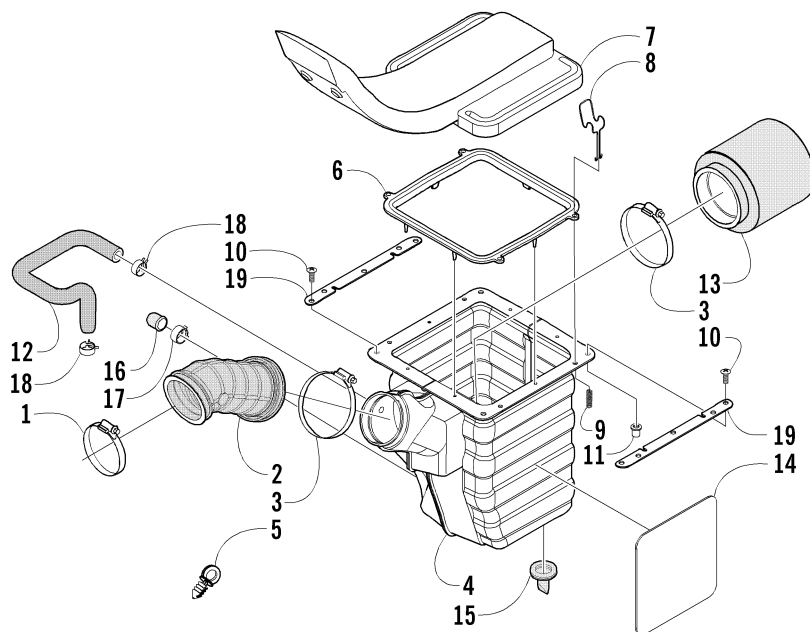
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8424-602	1	Nut	12	0502-146	1	Linkage, Shift
2	8408-812	1	Screw, Cap	13	0402-844	1	End, Rod
3	0502-187	1	Axle, Reverse Shift Lever	14	0623-294	2	Nut
4	0502-185	1	Lever, Reverse Shift	15	0423-091	1	Bushing, Shift Linkage
5	0423-299	2	O-Ring	16	8050-242	1	Washer
6	0423-182	2	O-Ring	17	0423-063	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

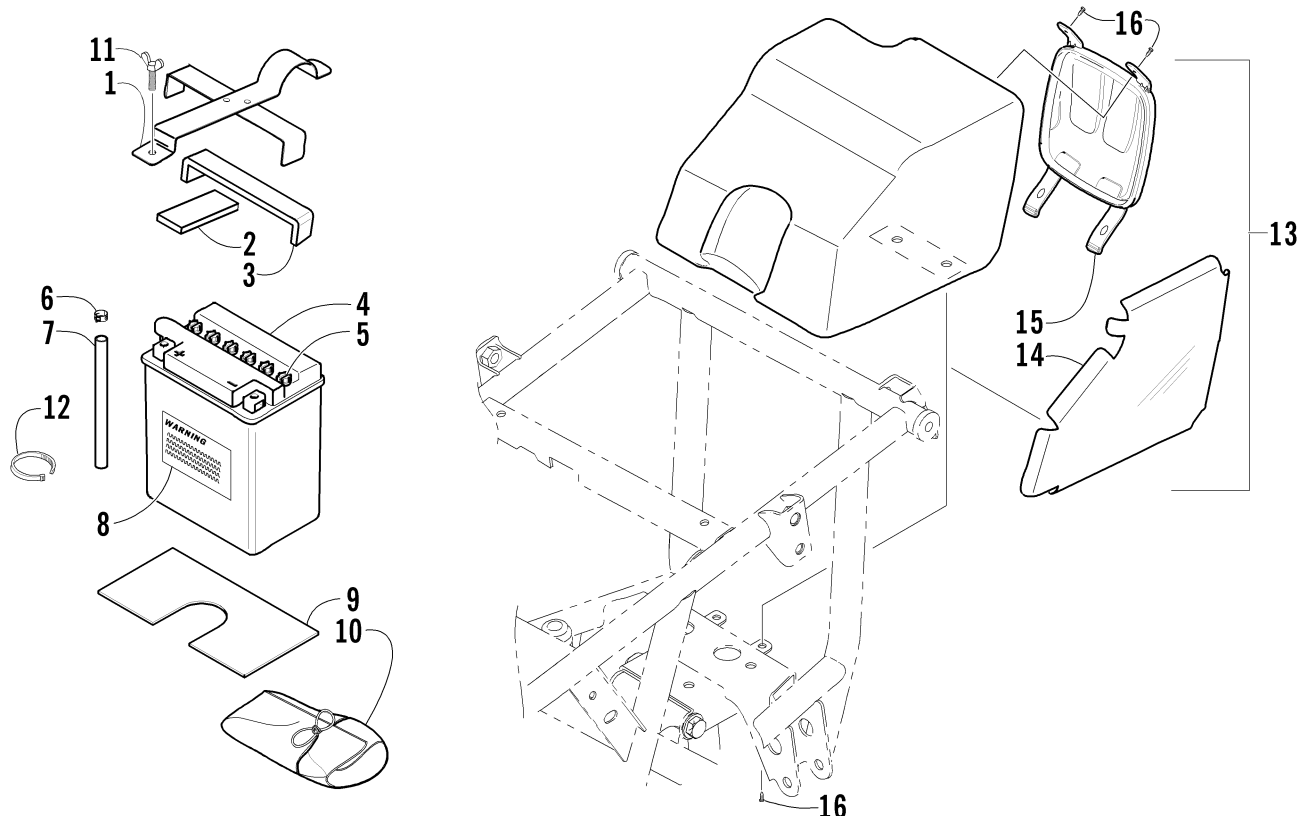
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-291	1	Shifter	10	8050-222	2	Washer
2	0423-091	5	Bushing	11	0624-250	2	Nut, Lock
3	8050-247	2	Washer	12	0124-057	2	E-Ring
4	0402-821	1	Arm, Shifter	13	0502-295	1	Arm, Selector
5	0502-234	1	Plate, Mounting	14	0423-368	2	Washer, Wave
6	0402-828	1	Spring, Torsion	15	<u>0502-396</u>	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

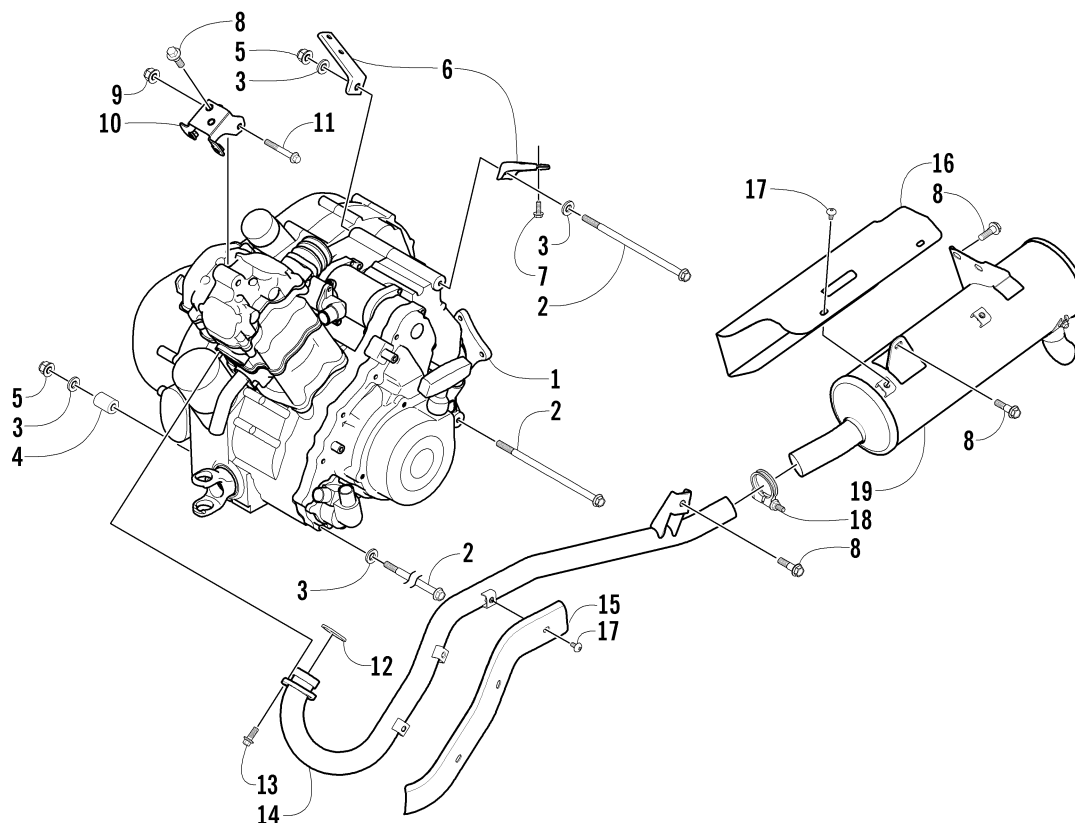
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-019	1	Clamp	11	0123-010	4	Nut, Expansion
2	0470-455	1	Boot, Air Intake	12	0410-004	1	Hose, Crankcase Vent
3	0423-018	2	Clamp	13	<u>0470-460</u>	1	Filter, Air
4	0470-446	1	Housing, Air Intake	14	0412-141	1	Shield, Heat
5	0623-101	1	Clip, Retaining	15	0470-442	1	Valve, Drain
6	0470-343	1	Gasket	16	1673-272	1	Cap, Drain Tube
7	<u>0470-459</u>	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

0737-887

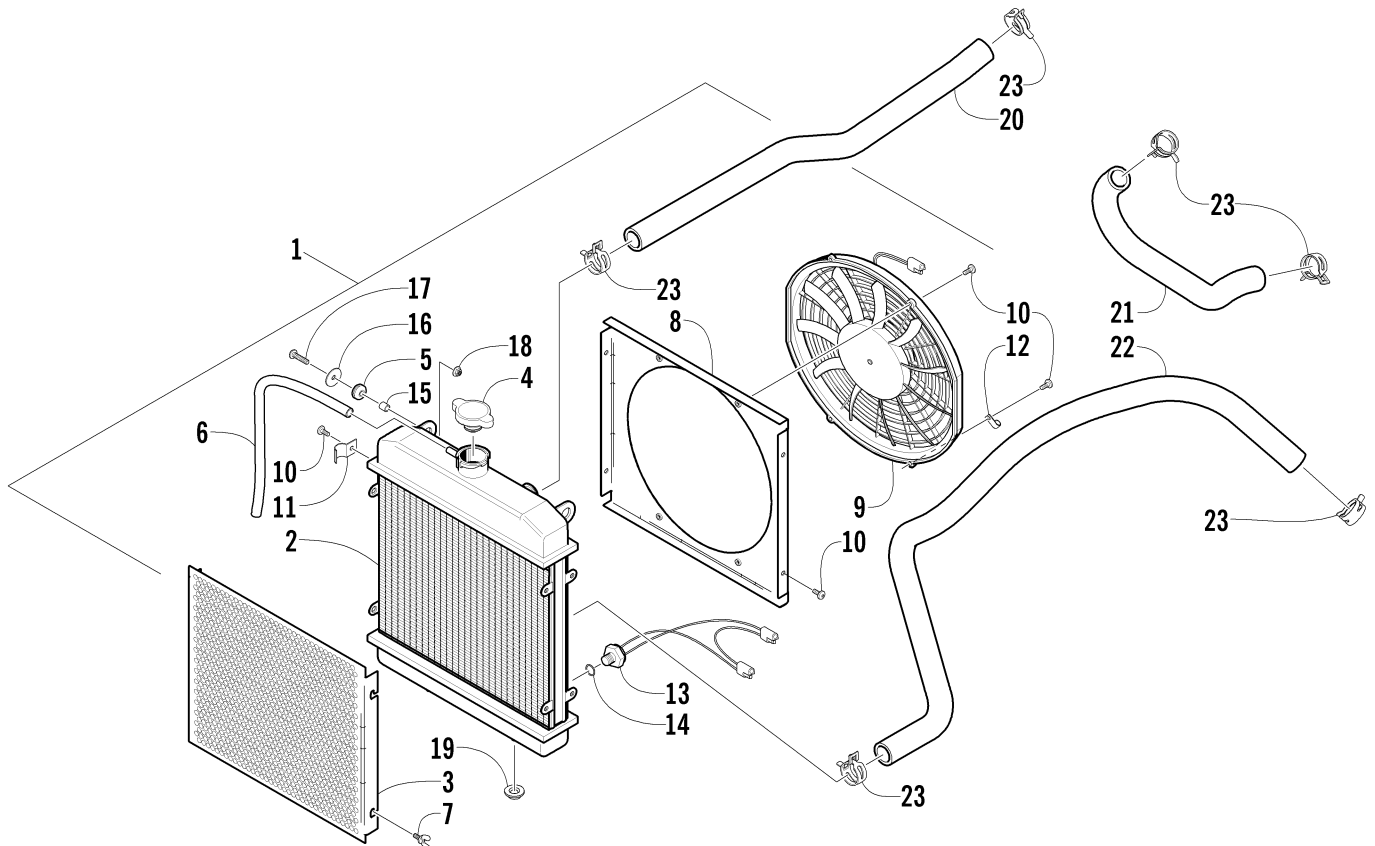
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-178	1	Strap, Battery w/Pads (inc. 2-3)	9	0406-227	1	Pad, Battery - Lower
2	0406-288	1	● Pad, Battery - Upper Front	10	0444-122	1	Kit, Tool
3	0406-289	1	● Pad, Battery - Upper Rear	11	<u>0423-428</u>	1	Screw, Machine
4	0745-045	1	Battery Assembly (inc. 5-8)	12	0123-903	2	Cable Tie - 11.5 in.
5	0645-045	6	● Cap, Battery	13	<u>0506-797</u>	1	Storage Box - Assembly (inc. 14)
6	0645-152	1	● Clamp, Hose	14	<u>1406-140</u>	1	● Shield, Heat
7	0645-263	1	● Hose, Battery Vent	15	<u>1406-078</u>	1	Cover, Storage Box
8	0645-151	1	● Label, Warning - Battery	16	0623-797	4	Screw, Self-Tapping



ENGINE AND EXHAUST

0737-700

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0462-023</u>	1	Engine	10	0506-546	1	Bracket, Engine - Upper
2	3423-009	3	Screw, Cap	11	8408-860	1	Screw, Cap
3	0423-050	4	Washer, Engine	12	0412-007	1	Seal, Exhaust
4	0423-042	1	Spacer, Engine	13	8408-820	2	Screw, Cap
5	8428-002	3	Nut, Lock	14	<u>0512-076</u>	1	Pipe, Exhaust
6	<u>1506-024</u>	1	Bracket, Engine - Right	15	<u>0412-189</u>	1	Cover, Exhaust
	<u>1506-025</u>	1	Bracket, Engine - Left	16	<u>0412-187</u>	1	Cover, Muffler
7	8408-616	4	Screw, Cap	17	8477-610	7	Screw, Machine
8	8408-816	6	Screw, Cap	18	0423-150	1	Clamp, Exhaust
9	8424-802	1	Nut	19	<u>0412-190</u>	1	Muffler

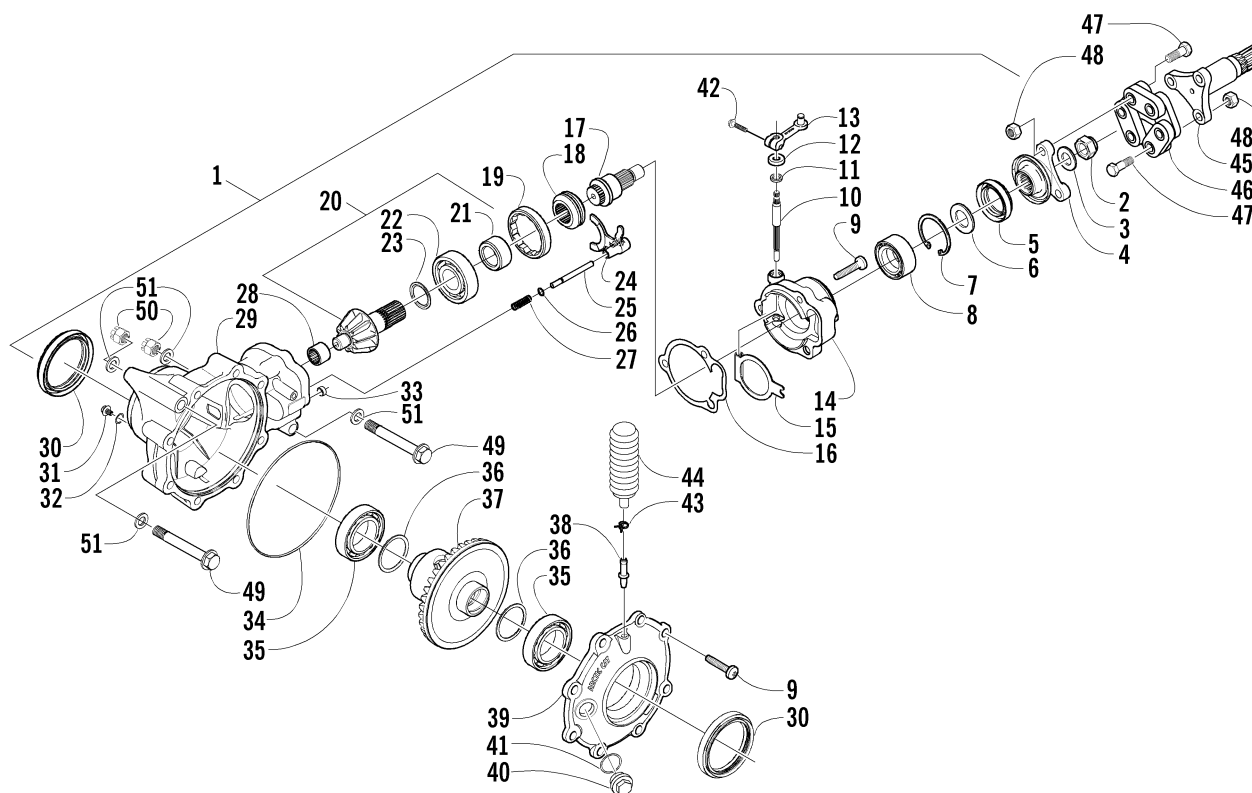


COOLING ASSEMBLY

0737-884 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-038	1	Radiator Assembly (inc. 2-15)	13	0413-045	1	● Sender, Temperature - Coolant
2	*	1	● Radiator	14	0423-390	1	● O-Ring
3	0413-007	1	● Screen, Radiator	15	0423-036	2	● Collar
4	0413-002	1	● Cap, Radiator	16	0623-184	2	Washer
5	0423-030	2	● Grommet	17	8476-625	2	Screw, Cap
6	0610-016	AR	● Hose - 25 ft	18	0623-038	2	Nut w/Washer
7	0413-009	4	● Screw, Thumb	19	0423-028	2	Bushing, Stem
8	0413-046	2	● Shroud, Fan	20	0410-002	1	Hose, Coolant - Upper
9	0413-044	1	● Fan, Cooling	21	0410-022	1	Hose, Coolant - Crossover
10	8475-512	8	● Screw, Machine	22	0410-041	1	Hose, Coolant - Lower
11	0423-351	1	● Clamp, Wire	23	0423-070	6	Clamp, Hose
12	0123-397	1	● Clamp, Cable				

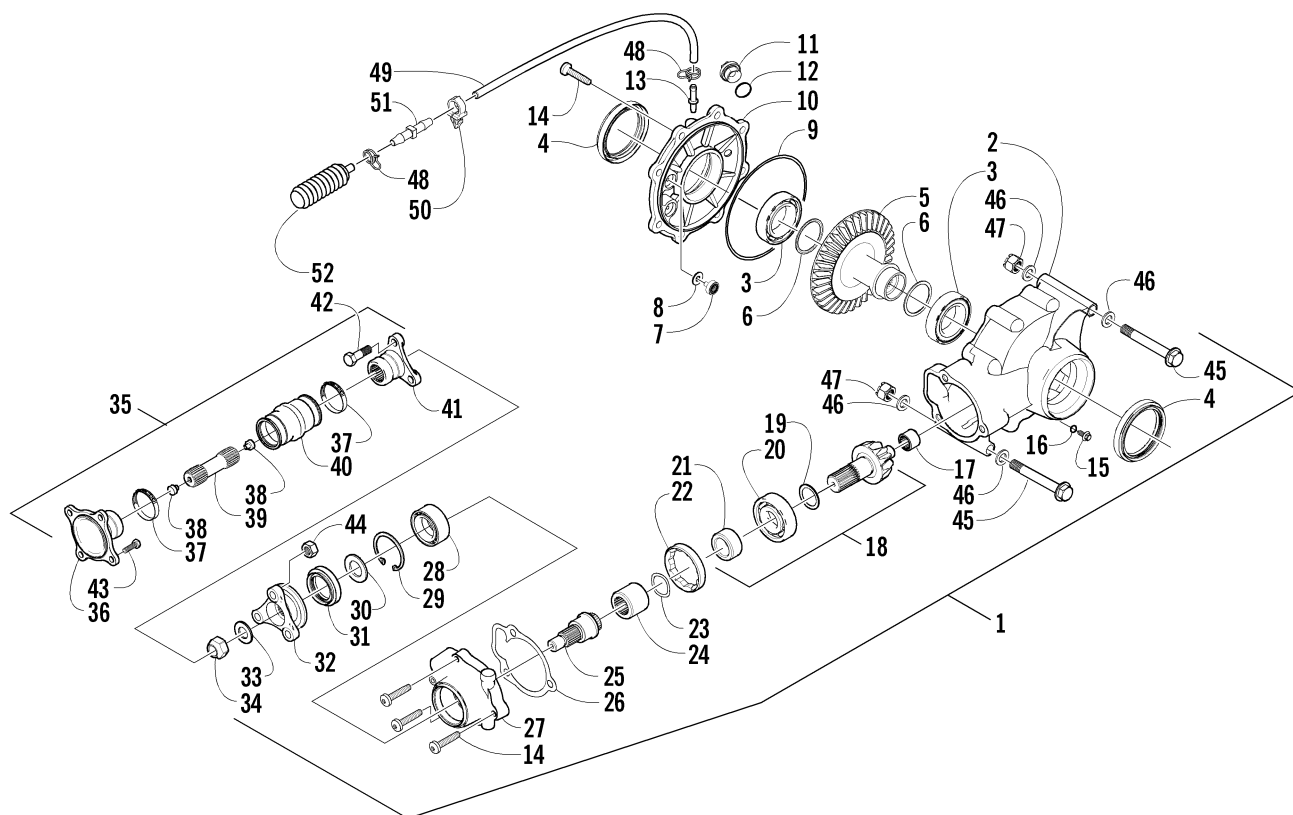
20



FRONT DRIVE GEARCASE ASSEMBLY

0737-587

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-153	1	Gearcase, Front Drive - Assembly (inc. 2-42)	26	0423-147	1	● O-Ring
2	0423-135	1	● Nut	27	0402-418	1	● Spring, Return
3	0423-134	1	● Washer	28	0402-328	1	● Bearing
4	0402-422	1	● Flange, Drive	29	0502-120	1	● Housing, Gearcase
5	0402-395	1	● Seal	30	0402-394	2	● Seal
6	0402-346	1	● Spacer, Drive	31	0402-450	1	● Plug, Magnetic (inc. 32)
7	0402-332	1	● Ring, Retaining	32	0423-153	1	● ● O-Ring
8	0402-003	1	● Bearing	33	0402-411	1	● Pin, Dowel
9	0423-118	11	● Screw, Self-Tapping	34	0423-149	1	● O-Ring
10	0402-412	1	● Shaft, Selector	35	0402-393	2	● Bearing
11	0402-416	1	● Seal	36	0402-405	AR	● Shim
12	0402-398	1	● Plate, Selector Shaft		0402-406	AR	● Shim
13	0502-092	1	● Arm, Selector		0402-407	AR	● Shim
14	0502-122	1	● Housing, Selector		0402-408	AR	● Shim
15	0402-414	1	● Plate, Spring - Selector		0402-409	AR	● Shim
16	0402-947	1	● Gasket, Flange	37	0502-199	1	● Gear, Ring - 34T
17	0402-410	1	● Shaft, Thrust	38	0402-871	1	● Fitting
18	0402-413	1	● Coupler, Drive	39	0502-121	1	● Cover, Gearcase
19	0402-357	1	● Collar, Lock	40	0402-333	1	● Plug, Fill (inc. 41)
20	0502-155	1	● Gear, Pinion - Assembly - 11T (inc. 21-23)	41	0423-154	1	● ● O-Ring
21	0402-336	1	● ● Collar, Retaining	42	8410-620	1	● Screw, Cap
22	0402-327	1	● ● Bearing	43	0423-315	1	Clamp, Fitting
23	0402-424	AR	● ● Shim	44	0402-147	1	Bladder, Gearcase
	0402-425	AR	● ● Shim	45	0502-200	1	Shaft, Propeller
	0402-426	AR	● ● Shim	46	3435-007	1	Coupler, Propeller Shaft
	0402-427	AR	● ● Shim	47	3423-182	6	Screw, Cap
	0402-428	AR	● ● Shim	48	3004-491	6	Nut
24	0402-420	1	● Fork, Selector	49	0423-404	2	Screw, Cap
25	0402-417	1	● Shaft, Shuttle	50	8428-002	2	Nut, Lock
				51	0423-426	4	Washer

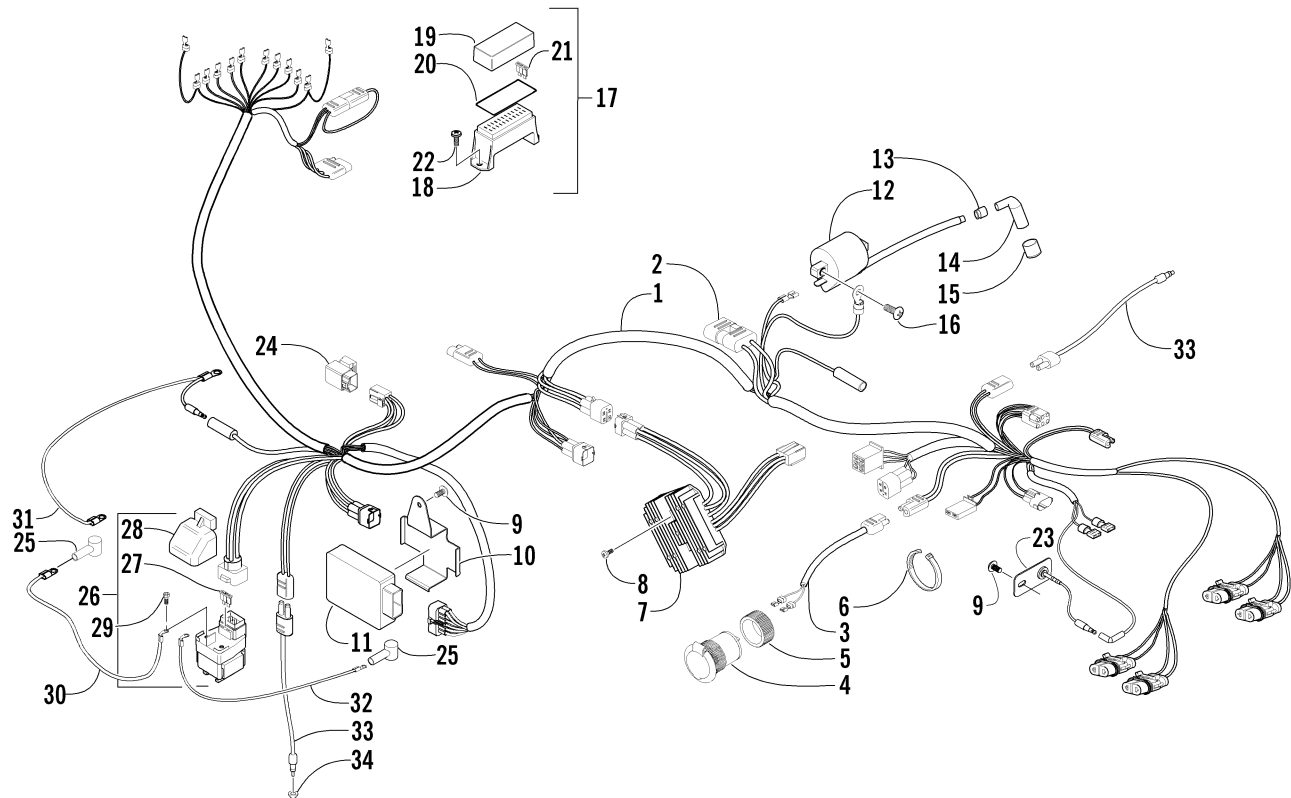


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 0502-293)

0737-708 *Not a Service Part

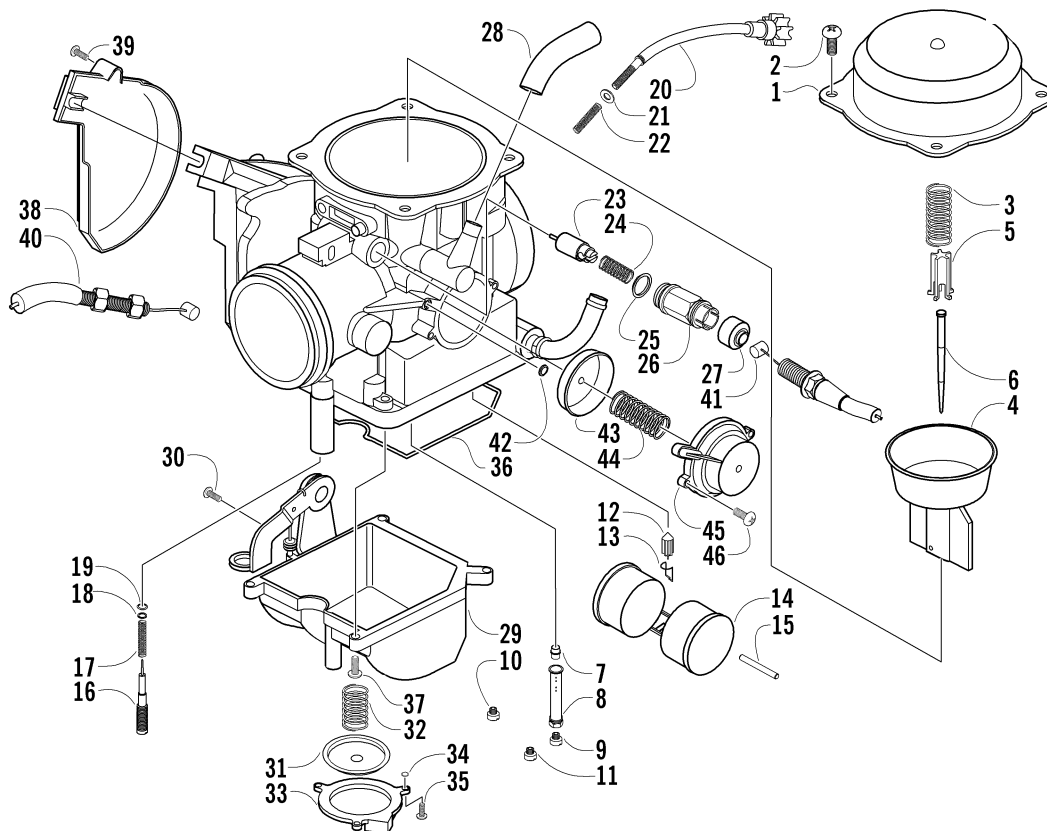
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-293	1	Gearcase, Rear Drive - Assembly (inc. 2-34)	21	0402-336	1	● Collar, Retaining
2	0502-352	1	● Housing, Gearcase	22	0402-331	1	● Collar, Lock
3	0402-393	2	● Bearing	23	0402-982	1	● Washer, Wave
4	0402-394	2	● Seal	24	0402-981	1	● Collar, Shaft
5	0402-964	1	● Gear, Ring - 34T	25	0402-410	1	● Shaft, Thrust
6	0402-405	AR	● Shim	26	0402-947	1	● Gasket, Flange
	0402-406	AR	● Shim	27	0502-345	1	● Housing, Pinion
	0402-407	AR	● Shim	28	0402-003	1	● Bearing
	0402-408	AR	● Shim	29	0402-332	1	● Ring, Retaining
	0402-409	AR	● Shim	30	0402-346	1	● Spacer, Drive
7	0402-326	1	● Button, Thrust	31	0402-395	1	● Seal
8	0402-429	AR	● Shim	32	0402-422	1	● Flange, Drive - Assembly
	0402-430	AR	● Shim	33	0423-134	1	● Washer
	0402-431	AR	● Shim	34	0423-135	1	● Nut
	0402-432	AR	● Shim	35	0502-325	1	Coupler, Drive (inc. 36-41)
	0402-433	AR	● Shim	36	*	1	● Flange, Output
9	0423-149	1	● O-Ring	37	0423-393	2	● Clamp, Boot
10	0502-346	1	● Cover, Gearcase	38	0673-618	2	● Bumper, Propeller Shaft
11	0402-333	1	● Plug, Fill (inc. 12)	39	*	1	● Shaft, Propeller
12	0423-154	1	● O-Ring	40	0402-953	1	● Boot
13	0402-871	1	● Fitting	41	*	1	● Flange, Input
14	0423-118	11	● Screw, Self-Tapping	42	8409-030	3	Screw, Cap
15	0402-450	1	● Plug, Magnetic (inc. 16)	43	8408-820	4	Screw, Cap
16	0423-153	1	● O-Ring	44	0423-157	3	Nut, Lock
17	0402-328	1	● Bearing	45	0423-404	2	Bolt
18	0502-155	1	● Gear, Pinion - Assembly - 11T (inc. 19-21)	46	0423-426	4	Washer
19	0402-424	AR	● Shim	47	8428-002	2	Nut, Lock
	0402-425	AR	● Shim	48	0423-315	3	Clamp, Fitting
	0402-426	AR	● Shim	49	0410-048	AR	Hose, Vent - 10 ft
	0402-427	AR	● Shim	50	0623-101	1	Clip, Routing - Snap-In
	0402-428	AR	● Shim	51	0470-462	1	Fitting, Vent
20	0402-327	1	● Bearing	52	0402-147	1	Bladder, Gearcase



WIRING HARNESS ASSEMBLY

0737-711 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-098</u>	1	Harness, Main (inc. 2)	19	*	1	● Cover, Fuse Block
2	0486-029	1	● Diode (Start in Gear)	20	0411-271	1	Decal, Fuse Block
3	0486-004	1	Harness, 12V Receptacle	21	0630-057	4	Fuse, 10 Amp
4	0445-022	1	Receptacle, 12V (inc. 5)		0630-058	2	Fuse, 15 Amp
5	0445-034	1	● Nut, Retainer	22	0623-361	2	Screw, Self-Tapping
6	0123-788	AR	Cable Tie - 7 in.	23	<u>0509-011</u>	1	Diode Assembly
7	3530-028	1	Regulator, Voltage	24	3530-008	1	Relay, Neutral Start - Assembly
8	8476-625	2	Screw, Machine	25	0645-019	2	Boot, Terminal
9	8476-616	2	Screw, Machine	26	3530-001	1	Relay, Starter Motor - Assembly (inc. 27-28)
10	<u>0506-987</u>	1	Bracket, CDI Unit				
11	<u>3530-039</u>	1	CDI Unit	27	0630-098	1	● Fuse, 30 Amp
12	3530-027	1	Coil, Ignition - Assembly	28	3530-010	1	● Cover, Starter Motor Relay
13	3430-009	1	Seal, High Tension Wire	29	3423-020	2	Screw, Cap
14	3430-007	1	Cap, Spark Plug	30	0445-003	1	Cable, Battery/Electric Start Relay
15	3430-008	1	Seal, Spark Plug	31	0445-002	1	Cable, Battery/Ground
16	8476-620	2	Screw, Machine	32	0445-032	1	Cable, Electric Start Relay/Starter
17	0530-001	1	Block, Fuse - Assembly (inc. 18-19)	33	0409-009	2	Switch, Brake
18	*	1	● Block, Fuse	34	<u>0402-991</u>	1	Retainer, Brake Switch

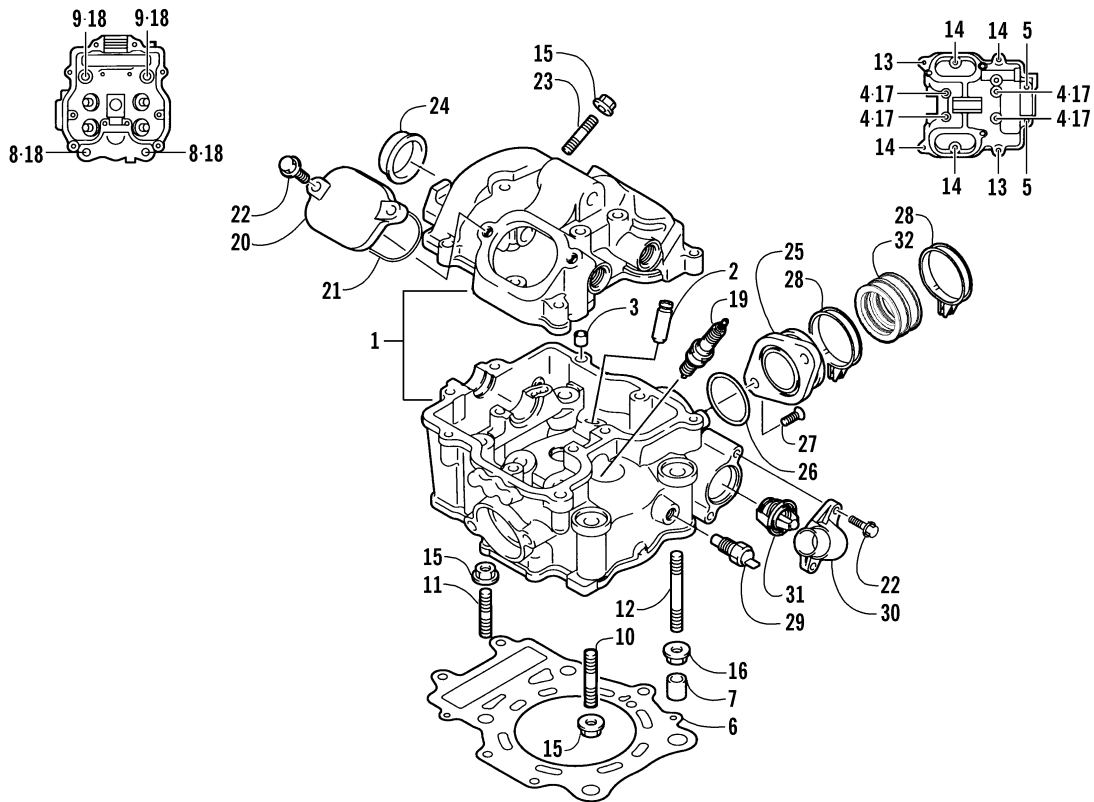


CARBURETOR

(Complete Assembly p/n 0470-458)

0737-883 *Not a Service Part **Optional

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-001	1	Cover, Top	22	5507-029	1	Spring
2	5507-002	4	Screw, Top Cover	23	5507-022	1	Valve, Starter
3	5507-085	1	Spring	24	5507-023	1	Spring
4	<u>5507-099</u>	1	Piston, Vacuum	25	5507-024	1	O-Ring
5	5507-054	1	Spring, Seat	26	5507-025	1	Cap
6	<u>5507-100</u>	1	Jet Needle	27	5507-026	1	Cap, Rubber
7	5507-007	1	Needle Jet	28	5507-084	1	Tube, Vinyl
8	5507-047	1	Holder, Needle Jet	29	5507-065	1	Chamber, Float - Assembly (inc. 30-36)
9	5507-086	1	Main Jet - 148	30	5507-050	1	● Screw, Drain
	5507-009	1	Main Jet - 150**	31	5507-031	1	● Diaphragm Assembly
	5507-041	1	Main Jet - 147**	32	5507-032	1	● Spring
	5507-043	1	Main Jet - 142**	33	*	1	● Housing, Pump
	5507-044	1	Main Jet - 140**	34	5507-034	1	● U-Ring
10	<u>5507-101</u>	1	Slow Jet	35	5507-035	3	● Screw
11	5507-092	1	Starter Jet - 90	36	5507-067	1	● O-Ring, Float Chamber
12	<u>5507-107</u>	1	Valve, Float - Set (inc. 13)	37	5507-089	4	Screw
13	*	1	● Clip	38	5507-036	1	Cover
14	5507-039	1	Float Set (inc. 15)	39	5507-037	1	Screw
15	*	1	● Pin, Float	40	0487-021	1	Cable, Throttle
16	<u>5507-108</u>	1	Screw, Pilot Air - Set (inc. 17-19)	41	0487-016	1	Cable, Choke
17	*	1	● Spring	42	<u>5507-102</u>	1	U-Ring
18	*	1	● Washer	43	<u>5507-103</u>	1	Diaphragm Assembly
19	*	1	● O-Ring	44	<u>5507-104</u>	1	Spring
20	5507-027	1	Screw, Idle Adjust	45	<u>5507-105</u>	1	Cover
21	5507-028	1	Washer	46	<u>5507-106</u>	2	Screw

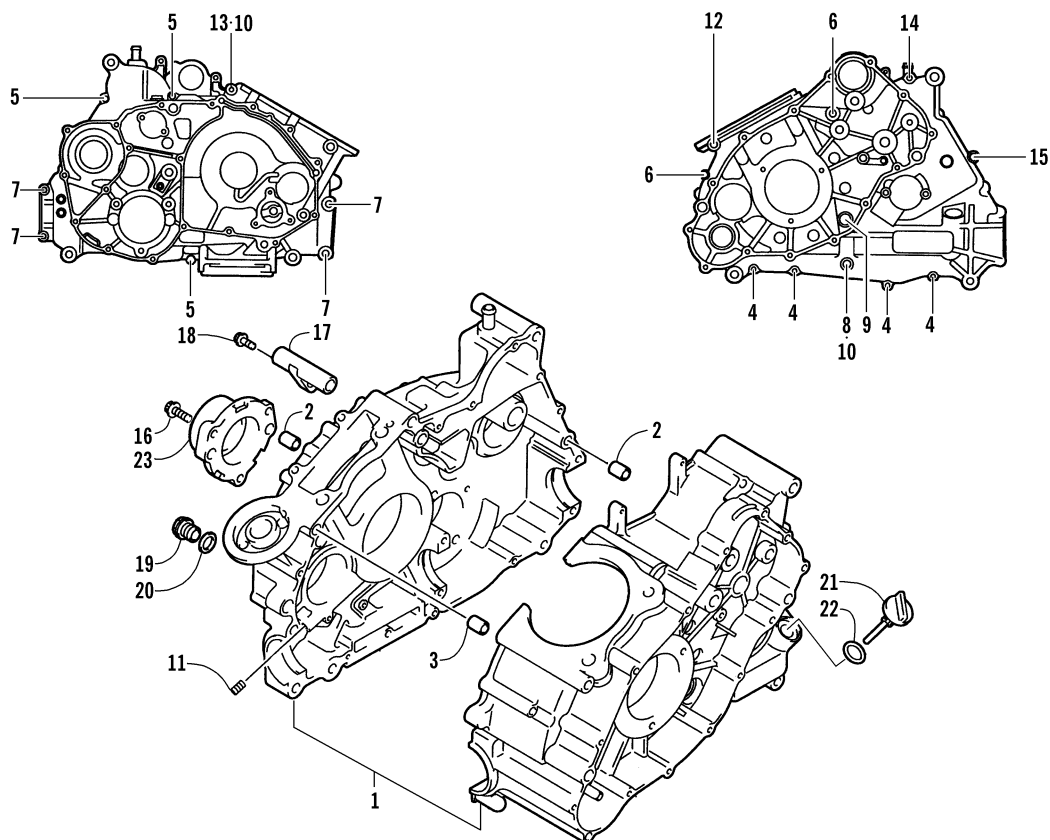


CYLINDER HEAD ASSEMBLY

0737-755 *Not Illustrated

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-098	1	Head, Cylinder - Assembly (inc. 2-5)	18	3402-010	4	Gasket, Head Nut
2	3402-099	4	● Guide, Valve	19	0217-632	1	Spark Plug (NGK CR6E)
3	3423-043	2	● Pin, Dowel	20	3402-100	2	Cap, Inspection
4	3423-006	4	● Screw, Cap	21	3402-101	2	O-Ring
5	3008-376	2	● Screw, Cap	22	3004-341	5	Screw, Cap
6	3402-362	1	Gasket, Cylinder Head	23	3423-383	1	Bolt, Stud
7	3423-088	2	Pin, Dowel	24	3402-035	1	Plug, Cylinder Head
8	3423-015	2	Screw, Cap	25	3402-706	1	Pipe, Intake - Assembly (inc. 26)
9	3423-016	2	Screw, Cap	26	3423-353	1	● O-Ring
10	3423-089	2	Bolt, Stud	27	3423-347	2	Screw, Cap
11	3423-087	2	Bolt, Stud	28	0423-317	2	Clamp
12	3423-203	1	Bolt, Stud	29	3530-038	1	Switch, Water Temperature - Assembly
13	3423-007	2	Screw, Cap	30	3413-004	1	Cover, Thermostat
14	3004-376	4	Screw, Cap	31	3413-012	1	Thermostat
15	3004-488	5	Nut	32	0470-412	1	Tube, Intake
16	3004-326	1	Nut	*	3402-048	1	Plug, Frost
17	3003-290	4	Gasket				

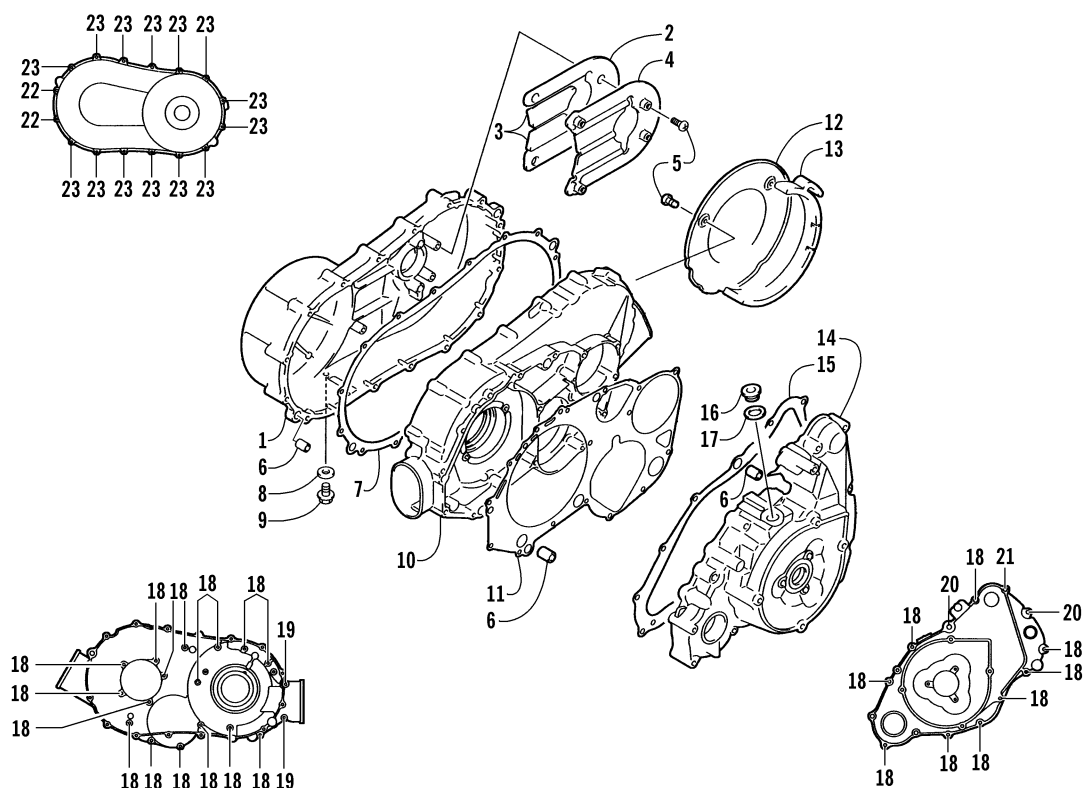
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CRANKCASE ASSEMBLY

0737-757

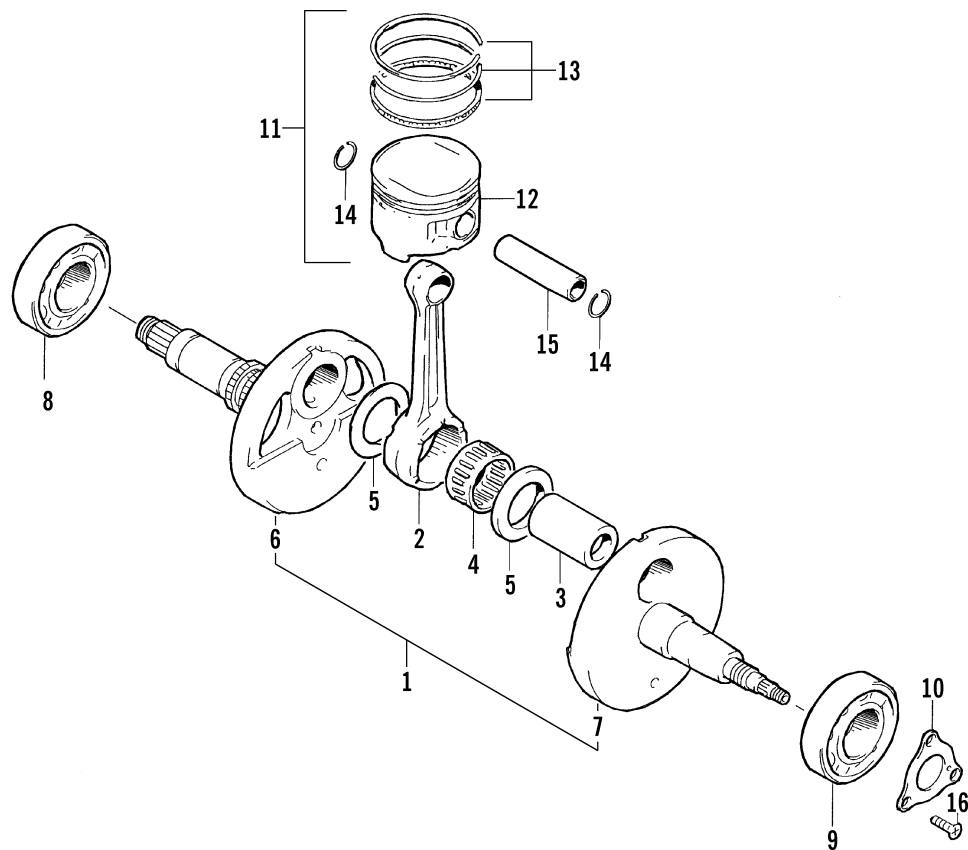
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-786</u>	1	Crankcase Assembly (inc. two No. 2 and 3-15)	12	3423-387	1	● Bolt
2	3423-088	4	● Pin, Dowel	13	3423-388	1	● Bolt
3	3004-822	1	● Pin, Dowel	14	<u>3423-531</u>	1	● Bolt
4	3423-091	4	● Bolt	15	<u>3423-508</u>	1	● Bolt
5	3423-119	3	● Bolt	16	3423-390	3	Bolt
6	3423-092	2	● Bolt	17	3402-437	1	Pipe, Breather
7	3004-880	4	● Bolt	18	3423-389	1	Bolt, Breather Pipe
8	3005-332	1	● Bolt	19	3402-214	1	Plug, Oil Pressure
9	3423-385	1	● Bolt	20	3402-012	1	Gasket, Oil Pressure Plug
10	3402-436	2	● Gasket	21	3402-438	1	Stick, Oil Level
11	3423-386	1	● Plug	22	3423-055	1	O-Ring, Oil Level Stick
				23	3402-439	1	Housing, Secondary Shaft Bearing



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0737-759

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-710</u>	1	Cover, V-Belt	13	<u>3402-699</u>	1	Cushion, Air Intake Plate
2	<u>3402-711</u>	1	Damper, V-Belt Cover	14	<u>3402-714</u>	1	Cover, Magneto
3	<u>3402-712</u>	2	Damper, V-Belt Cover	15	<u>3402-715</u>	1	Gasket, Magneto Cover
4	<u>3402-713</u>	1	Plate, V-Belt Cover	16	3402-041	1	Plug, Oil Filler
5	3004-552	7	Screw	17	3402-013	1	Gasket, Oil Filler Plug
6	3423-088	6	Pin, Dowel	18	3423-098	25	Bolt
7	3402-443	1	Gasket, V-Belt Cover	19	3423-092	2	Bolt
8	3402-444	1	Gasket, Drain Plug	20	3004-756	2	Bolt
9	3004-705	1	Plug, Drain	21	3006-094	1	Bolt
10	<u>3402-787</u>	1	Cover, Clutch	22	3423-119	2	Bolt
11	3402-441	1	Gasket, Clutch Cover	23	3423-091	14	Bolt
12	3402-445	1	Plate, Air Intake				

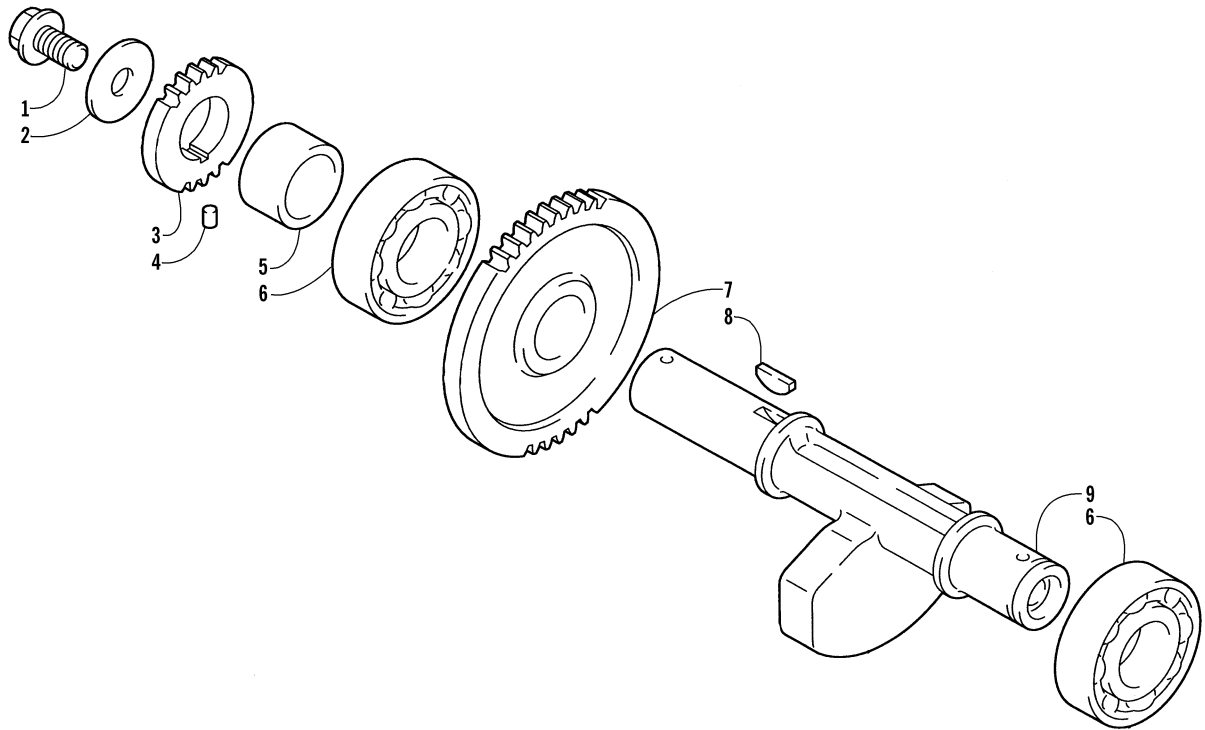


CRANKSHAFT ASSEMBLY

0737-077

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-716</u>	1	Crankshaft Assembly (inc. 2-7)	9	3402-054	1	Bearing - Left
2	3402-376	1	● Rod, Connecting	10	3402-188	1	Retainer, Oil Seal - Left
3	3402-377	1	● Pin, Crank	11	<u>3402-788</u>	1	Piston Set (inc. 12-14)
4	<u>3402-717</u>	1	● Bearing	12	<u>3402-719</u>	1	● Piston
5	3423-351	2	● Washer	13	<u>3402-720</u>	1	● Ring, Piston - Set
6	<u>3402-718</u>	1	● Crankshaft - Right	14	3423-344	2	● Circlip, Piston Pin
7	<u>3402-705</u>	1	● Crankshaft - Left	15	3402-375	1	Pin, Piston
8	3402-058	1	Bearing - Right	16	3423-018	3	Screw

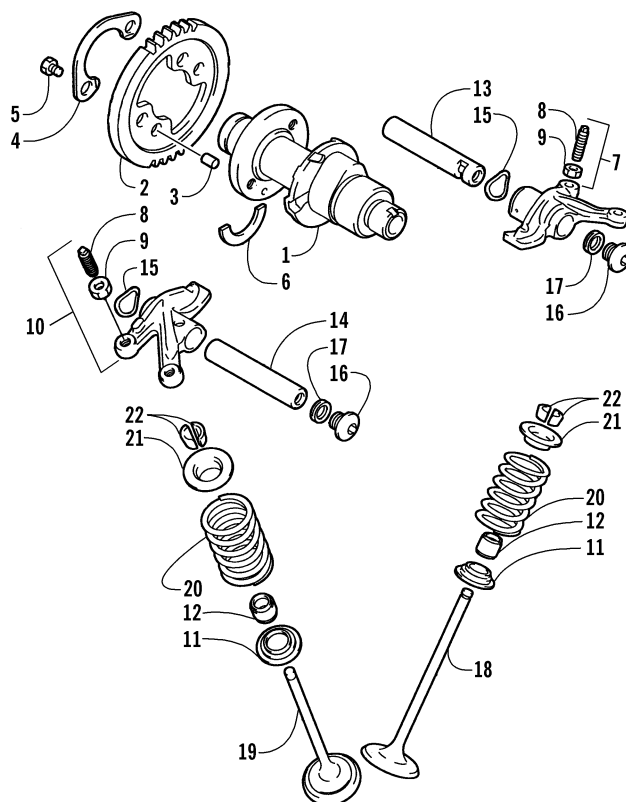
30



CRANK BALANCER ASSEMBLY

0737-762

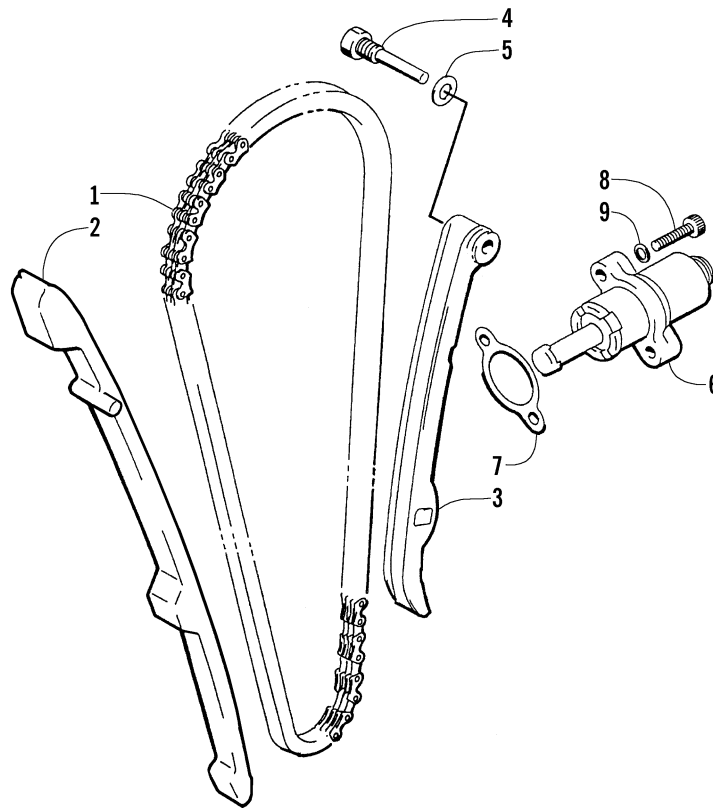
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3423-400	1	Bolt	6	3402-050	2	Bearing
2	3423-401	1	Washer	7	3402-722	1	Gear, Driven
3	3402-390	1	Gear, Oil Pump Drive	8	3004-540	1	Key
4	3423-110	1	Pin	9	3402-458	1	Balancer, Crank
5	3402-461	1	Spacer				



CAMSHAFT/VALVE ASSEMBLY

0737-800

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-789</u>	1	Camshaft	11	3402-148	4	Seat, Spring
2	3402-352	1	Sprocket	12	3402-078	4	Seal, Oil
3	3423-047	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	<u>3402-725</u>	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	<u>3402-726</u>	4	Spring, Valve
				21	3402-146	4	Retainer, Spring
				22	3402-147	8	Cotter, Valve



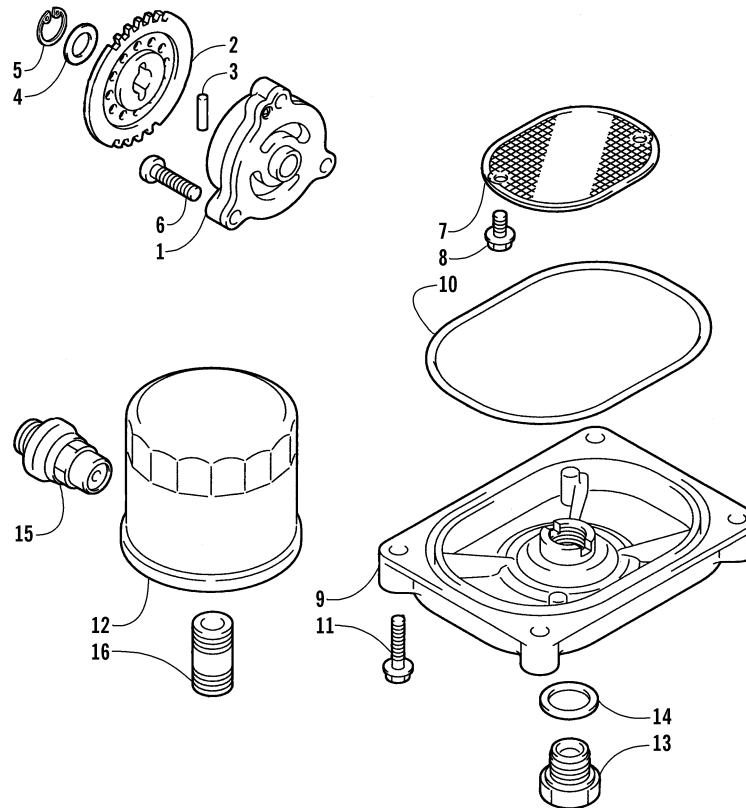
CAM CHAIN ASSEMBLY

0732-308

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-353	1	Chain, Cam	6	3402-136	1	Adjuster, Tensioner - Assembly
2	3402-355	1	Guide, Chain	7	3402-137	1	Gasket
3	3402-356	1	Tensioner, Chain	8	3004-475	2	Screw, Cap
4	3423-074	1	Bolt	9	3003-290	2	Gasket
5	3003-188	1	Washer				

0737-764

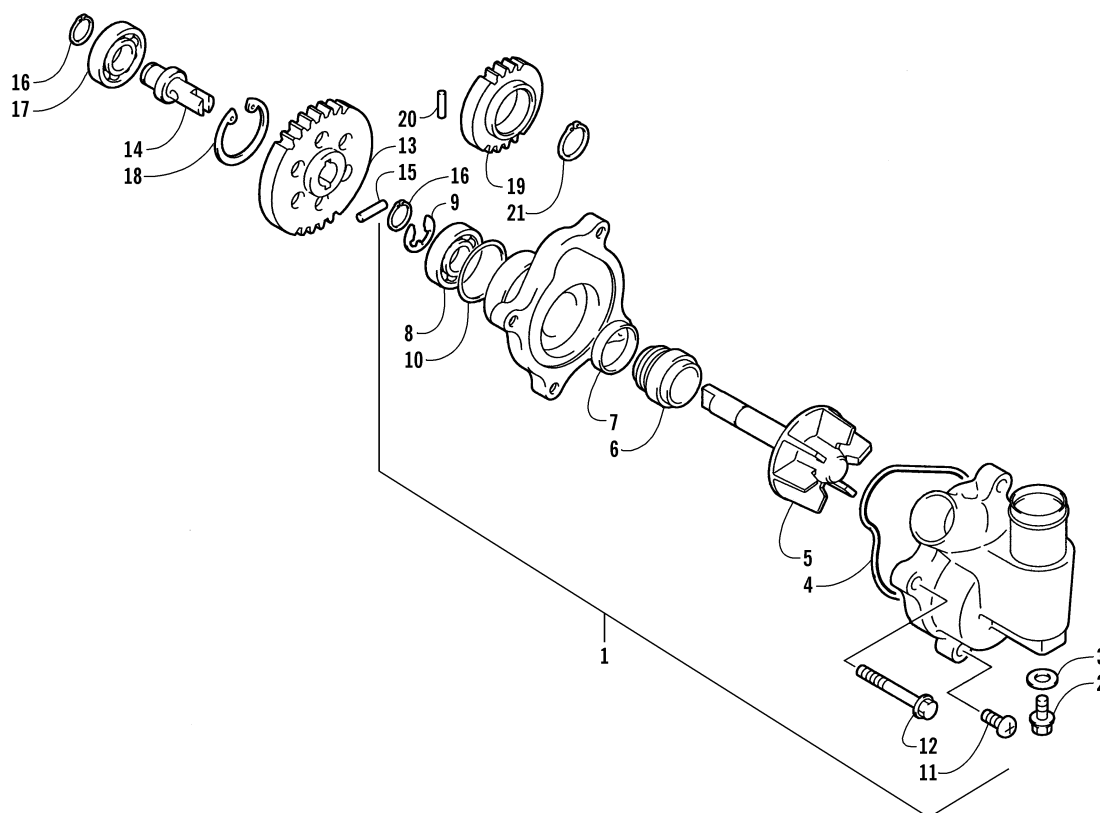
34



OIL FILTER/PUMP ASSEMBLY

0737-765

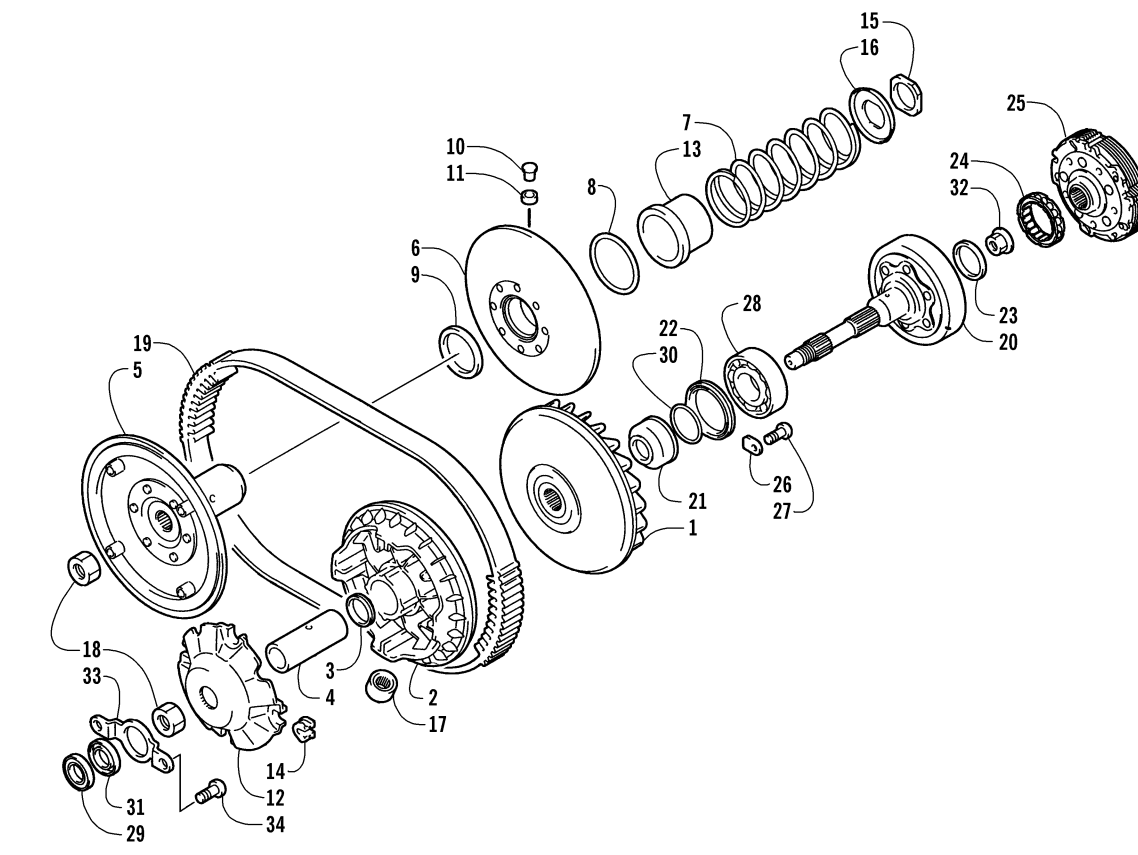
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-790	1	Pump, Oil	9	3402-157	1	Cap, Oil Strainer
2	3402-463	1	Gear, Driven	10	3423-077	1	O-Ring
3	3423-046	1	Pin	11	3004-756	4	Screw, Cap
4	3423-115	1	Washer	12	0436-146	1	Filter, Oil
5	3423-184	1	Circlip	13	3402-036	1	Plug, Drain
6	3423-113	3	Screw, Cap	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, Cap	16	3402-158	1	Union, Oil Filter



WATER PUMP ASSEMBLY

0737-766

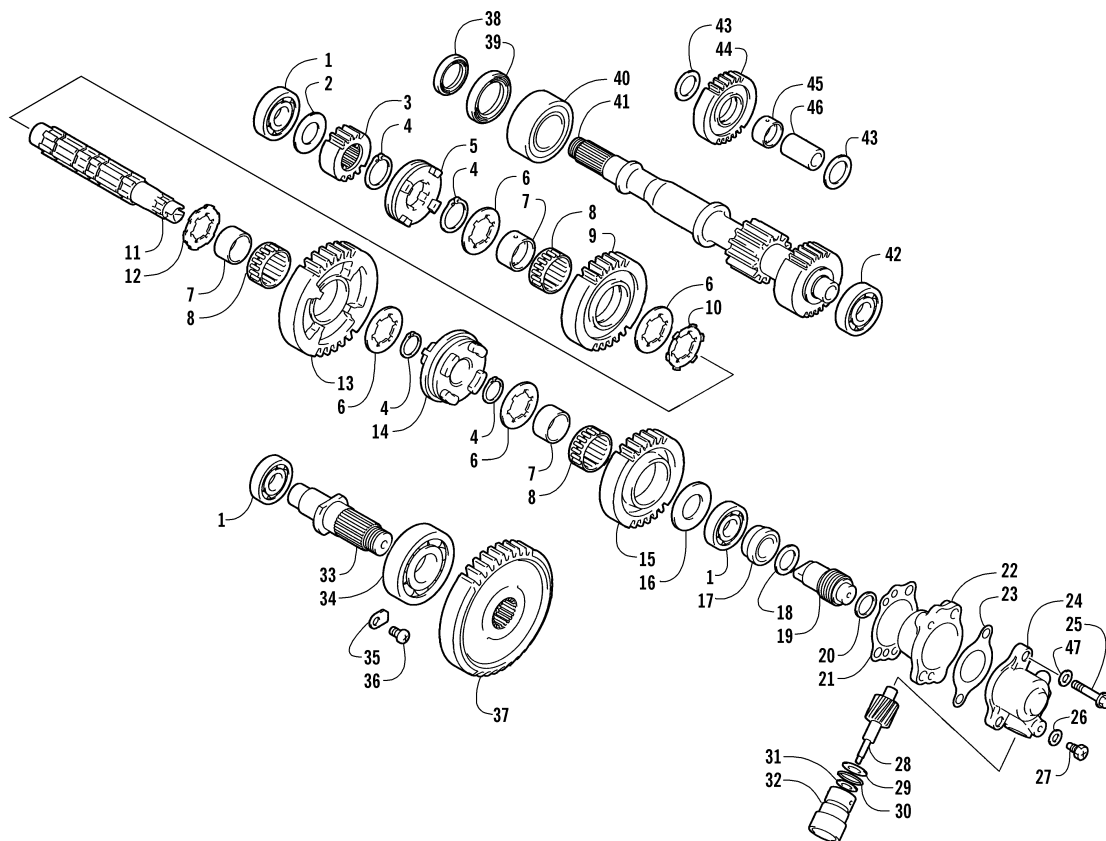
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-464	1	Pump, Water - Assembly (inc. 2-11)	12	3423-308	2	Screw, Cap
2	3423-343	1	● Screw, Cap	13	3402-026	1	Gear, Driven
3	3003-188	1	● Gasket	14	3402-466	1	Shaft, Driven Gear
4	3423-402	1	● O-Ring	15	3423-046	1	Pin, Driven Gear
5	3413-014	1	● Impeller/Shaft	16	3423-184	2	Circlip, Driven Gear
6	3005-909	1	● Seal, Mechanical	17	3402-467	1	Bearing, Shaft
7	3402-465	1	● Seal, Oil	18	3423-405	1	Circlip, Shaft Bearing
8	3003-615	1	● Bearing	19	3402-390	1	Gear, Water Pump Drive
9	3423-403	1	● E-Ring	20	3423-110	1	Pin, Drive Gear
10	3423-404	1	● O-Ring	21	3423-189	1	Circlip, Drive Gear
11	3003-484	2	● Screw				



TRANSMISSION ASSEMBLY

0737-771

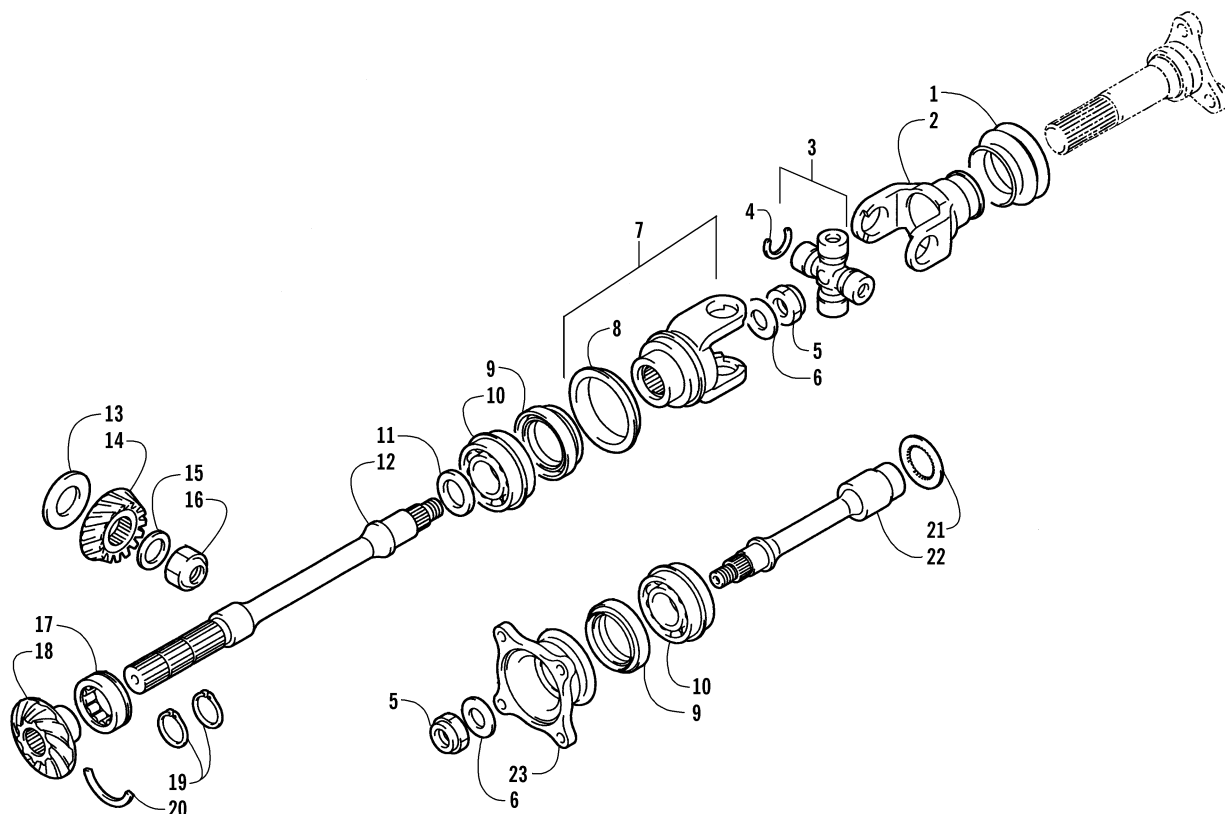
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-750</u>	1	Face, Fixed Drive	18	3402-514	2	Nut
2	<u>3402-751</u>	1	Face, Movable Drive	19	<u>3402-757</u>	1	V-Belt
3	3402-470	2	Seal, Movable Drive Face	20	<u>3402-758</u>	1	Housing, Clutch
4	3402-471	1	Spacer, Movable Drive Face	21	3402-544	1	Spacer, Fixed Drive Face
5	<u>3402-752</u>	1	Face, Fixed Driven	22	<u>3402-695</u>	1	Seal, Clutch Housing - Center
6	<u>3402-753</u>	1	Face, Movable Driven	23	3402-488	1	Seal, Clutch Housing - Left
7	<u>3402-754</u>	1	Spring, Movable Driven Face	24	3446-003	1	Clutch, One Way
8	3402-475	2	O-Ring, Movable Driven Face	25	<u>3402-760</u>	1	Shoe, Clutch - Assembly
9	3402-476	2	Seal, Movable Driven Face	26	3446-031	2	Retainer, Bearing
10	3402-477	4	Pin, Movable Driven Face	27	3004-552	2	Screw, Bearing Retainer
11	3402-478	4	Spacer, Movable Driven Face	28	3402-567	1	Bearing
12	<u>3402-755</u>	1	Plate, Movable Drive Face	29	<u>3402-759</u>	1	Bearing
13	<u>3402-756</u>	1	Sleeve, Movable Driven Face	30	3423-353	1	O-Ring
14	3402-481	4	Damper, Movable Drive Face	31	<u>3402-761</u>	2	Seal, Clutch Housing - Right
15	3423-406	1	Nut, Driven Pulley	32	3423-501	1	Nut
16	3402-482	1	Holder, Movable Driven Face Spring	33	<u>3402-730</u>	1	Retainer, Bearing
17	3402-483	8	Roller, Movable Drive Face	34	3423-018	2	Screw



SECONDARY TRANSMISSION ASSEMBLY

0737-772

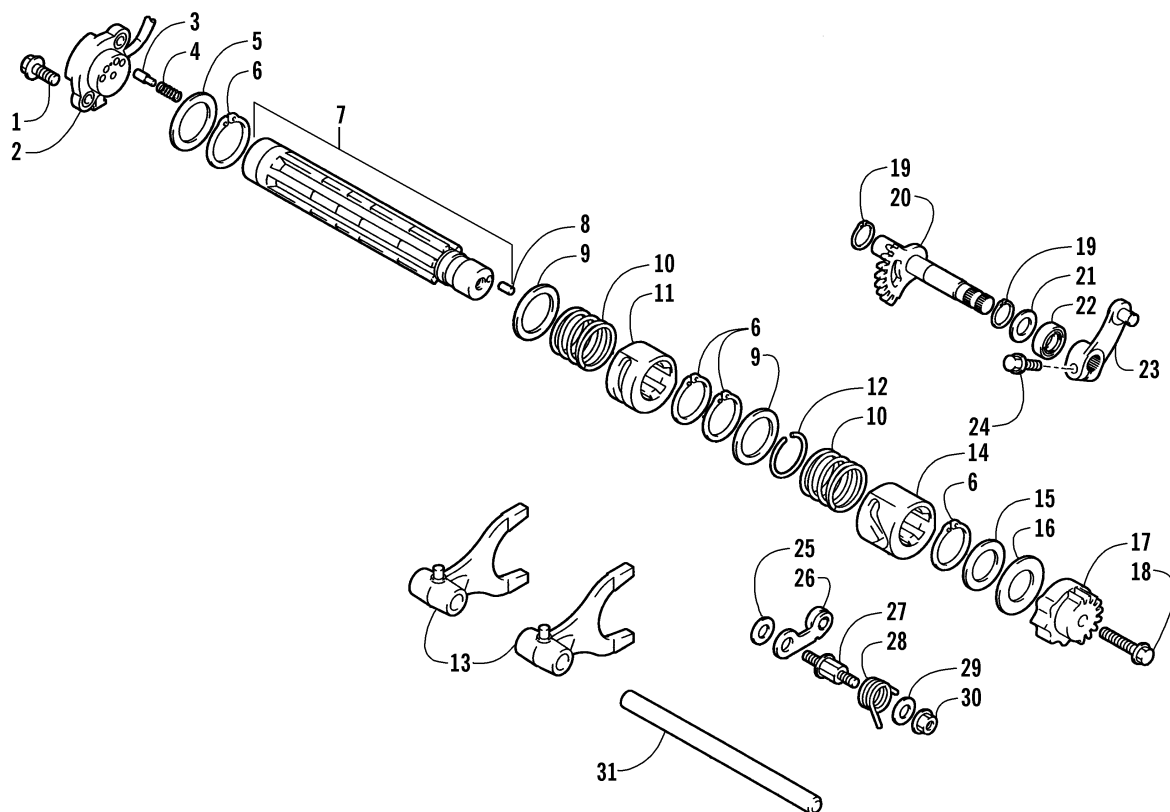
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-045	3	Bearing, Shaft	25	3423-307	2	Bolt, Housing
2	3423-411	1	Washer, Drive Gear No. 2 - Right	26	3402-009	1	Washer, Driven Gear
3	3402-497	1	Gear, Drive - No. 2	27	3423-143	1	Screw, Driven Gear
4	3423-066	4	Circlip	28	3402-509	1	Gear, Speedometer Driven
5	<u>3402-737</u>	1	Dog, Reverse Driven Gear	29	3423-144	1	Washer, Driven Gear
6	3423-263	4	Washer	30	3423-056	1	O-Ring
7	3402-494	3	Bushing	31	3402-077	1	Seal, Driven Gear
8	3402-498	3	Bearing	32	3446-058	1	Sleeve
9	<u>3402-736</u>	1	Gear, Reverse Driven	33	3402-591	1	Shaft, Output
10	3423-266	1	Washer, Lock	34	3402-502	1	Bearing, Output Shaft
11	<u>3402-732</u>	1	Countershaft	35	3446-031	2	Retainer, Bearing
12	3423-262	1	Washer, Lock	36	3004-552	2	Screw, Bearing Retainer
13	3402-668	1	Gear, Driven - Low	37	3402-534	1	Gear, Driven - No. 2
14	<u>3402-734</u>	1	Dog, Sliding	38	<u>3402-791</u>	1	Seal, Driveshaft - Right
15	<u>3402-733</u>	1	Gear, Driven - High	39	3402-537	1	Seal, Driveshaft - Left
16	3423-412	1	Washer, Drive Gear - Left	40	3402-499	1	Bearing, Driveshaft - Right
17	3446-114	1	Spacer, Driven Gear	41	<u>3402-731</u>	1	Driveshaft
18	3423-146	1	Washer, Drive Gear - Center	42	3003-261	1	Bearing, Driveshaft - Left
19	3402-508	1	Gear, Speedometer Drive	43	3402-195	2	Washer, Reverse Idle Gear
20	3423-145	1	Washer, Drive Gear - Right	44	3402-503	1	Gear, Reverse Idle
21	<u>3446-289</u>	1	Gasket	45	3446-103	1	Bushing, Reverse Idle Gear
22	<u>3446-288</u>	1	Joint, Speedometer Gear	46	3402-507	1	Shaft, Reverse Idle
23	3446-244	1	Gasket	47	3402-555	2	Gasket
24	3446-057	1	Housing, Speedometer Gear				



SECONDARY DRIVE ASSEMBLY

0737-773

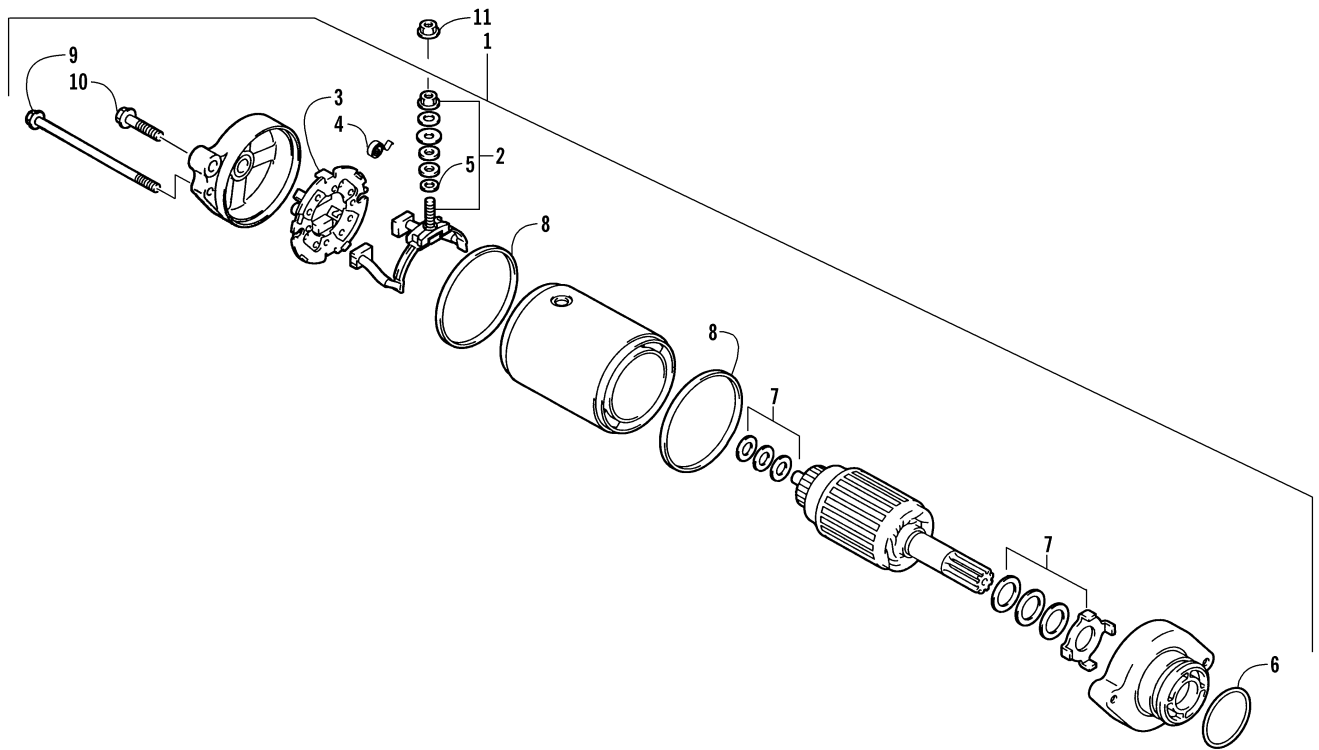
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-518	1	Boot, Propeller Shaft		3402-025	AR	Shim, 25 x 34 x 1.00 mm
2	3402-744	1	Yoke, Propeller Shaft Joint		3402-028	AR	Shim, 25 x 34 x 1.05 mm
3	3435-562	1	Joint, Universal - Set (inc. 4)		3402-029	AR	Shim, 25 x 34 x 1.10 mm
4	3423-179	4	● Circlip		3402-030	AR	Shim, 25 x 34 x 1.15 mm
5	3423-025	2	Nut, Rear Output Joint		3402-031	AR	Shim, 25 x 34 x 1.20 mm
6	3423-028	2	Washer, Rear Output Flange	12	3402-740	1	Shaft, Secondary Driven - Front
7	3402-742	1	Yoke, Drive Output - Front (inc. 8)	13	3446-035	1	Shim, Secondary Drive Gear - Set
8	3402-743	1	● Plate, Output Yoke	14	3402-738	1	Gear, Secondary Drive
9	3402-072	2	Seal, Oil - Driven Shaft	15	3005-372	1	Washer
10	3402-067	2	Bearing, Driven Shaft	16	3423-023	1	Nut
11	3402-017	AR	Shim, 25 x 34 x 0.60 mm	17	3402-515	1	Bearing, Driven Gear
	3402-018	AR	Shim, 25 x 34 x 0.65 mm	18	3402-739	1	Gear, Secondary Driven
	3402-019	AR	Shim, 25 x 34 x 0.70 mm	19	3423-340	2	Circlip, Secondary Driven Gear
	3402-020	AR	Shim, 25 x 34 x 0.75 mm	20	3423-072	1	Ring, Driven Bearing
	3402-021	AR	Shim, 25 x 34 x 0.80 mm	21	3423-415	1	Washer, Driven Shaft
	3402-022	AR	Shim, 25 x 34 x 0.85 mm	22	3402-513	1	Shaft, Secondary Driven - Rear
	3402-023	AR	Shim, 25 x 34 x 0.90 mm	23	3402-514	1	Flange, Output Joint - Rear
	3402-024	AR	Shim, 25 x 34 x 0.95 mm				



GEAR SHIFTING ASSEMBLY

0737-777

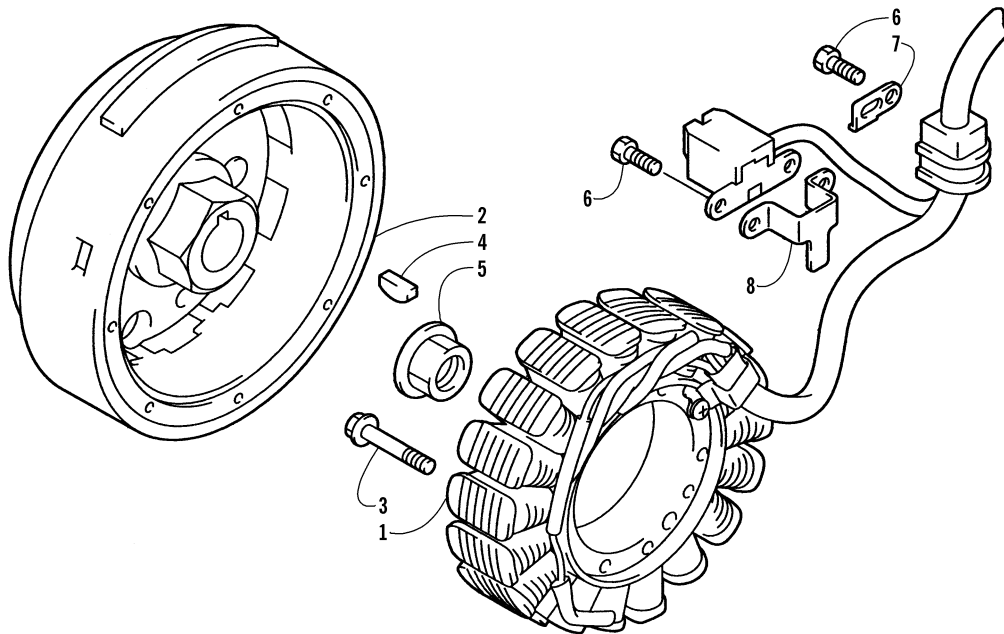
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3423-418	2	Bolt	17	3402-642	1	Plate, Gear Shift Cam
2	3530-031	1	Base, Gear Shift - Assembly	18	3004-376	1	Bolt, Gear Shift Cam Plate
3	3423-044	2	Contact	19	3423-358	2	Circlip, Sub-Gear Shift Shaft
4	3402-087	2	Spring	20	<u>3402-747</u>	1	Shaft, Sub-Gear Shift
5	3423-421	1	Washer, Shift Shaft	21	1691-043	2	Washer, Sub-Gear Shift Shaft
6	3423-191	4	Circlip, Cam Spring	22	3402-076	1	Seal, Sub-Gear Shift Shaft
7	<u>3402-749</u>	1	Shaft, Gear Shift (inc. 8)	23	3402-434	1	Arm, Select
8	3423-114	1	● Pin	24	3004-341	1	Bolt, Select Arm
9	3402-382	2	Washer, Cam Spring	25	3423-141	1	Washer, Cam Stopper
10	3446-280	2	Spring, Cam	26	<u>3402-746</u>	2	Stopper, Cam
11	<u>3402-745</u>	1	Cam, Reverse	27	3446-048	1	Support, Cam Stopper
12	3423-116	1	C-Ring, Cam	28	<u>3423-511</u>	1	Spring, Cam Stopper
13	3446-073	2	Fork, Shift	29	3423-438	2	Washer, Cam Stopper Spring
14	<u>3402-748</u>	1	Cam, Gear Shift	30	3004-488	1	Nut, Cam Stopper Spring
15	3402-195	1	Washer, Shift Shaft	31	3446-266	1	Shaft, Shift Fork
16	3423-446	1	Washer, Gear Shift Cam Plate				



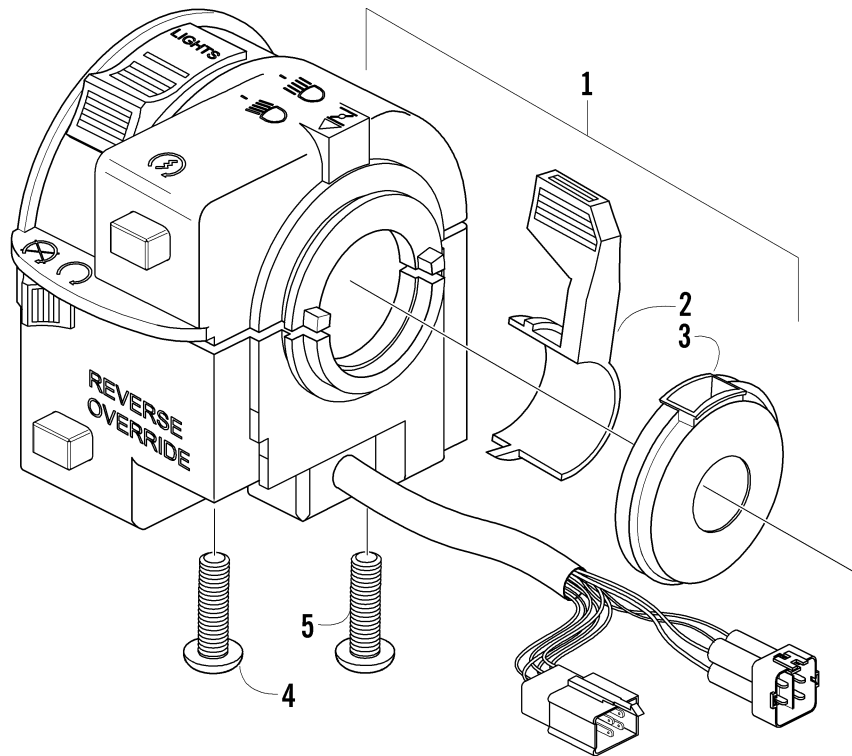
STARTER MOTOR ASSEMBLY

0737-779

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3545-015	1	Motor, Starter Assembly (inc. 2-9)	7	3436-001	1	● Washer Set
2	3008-094	1	● Terminal Set, Brush	8	3008-553	2	● O-Ring
3	3008-095	1	● Holder Set, Brush	9	3423-085	2	● Through-Bolt
4	3008-096	4	● Spring, Brush	10	3423-162	2	Screw, Cap
5	3008-164	1	● O-Ring	11	3423-195	1	Nut
6	3423-084	1	● O-Ring				



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3430-058</u>	1	Stator Assembly	5	3423-086	1	Nut
2	3430-046	1	Rotor/Flywheel	6	3423-005	3	Bolt
3	3423-162	3	Bolt	7	3430-006	1	Clamp (No. 1)
4	0691-785	1	Key	8	3430-005	1	Clamp (No. 2)



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				

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RELATED ITEMS

2003 ATV 500 FIS Automatic Transmission

Red (Model No. A2003ISM4BUSR) Green (Model No. A2003ISM4BUSG)

0436-337	Bag, Rack, Front, Black	0436-228	Snowplow Blade, 50 in. - Straight
0436-336	Bag, Rack, Rear, Black	0436-287	Snowplow Blade, 50 in. - One-Way
0436-185	Bag, Tank, Black	0436-296	Snowplow Blade, 60 in. - Straight
0436-183	Battery, Heavy Duty	0436-360	Snowplow Blade, 60 in. - One-Way
0436-432	Brush Guard/Bumper, Deluxe	0436-356	Snowplow, Push Frame
0436-330	Bumper (Rear)	0436-233	Snowplow Remote Angle Adjust
0436-139	Cargo Trailer - Deluxe	0436-385	Snowplow, Hand Lift Lever Kit
0436-381	Cover, Black and Green	0436-026	Tire Chains, Size B (24 in. and 25 in. Tires)
0436-125	Cover, Gray Universal	0436-027	Tire Chains, Size C (26 in. Tires)
0436-087	Electrical Plug	0402-154	Tire, Titan AT471 (25x8-12, Deep Lug)
0436-035	Engine Block Heater	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)
2256-705	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		

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

