

ARCTIC CAT®



650 H1 LE

(Automatic Transmission)

Model Number A2005IBS4BUS0

ILLUSTRATED
PARTS
MANUAL

2005

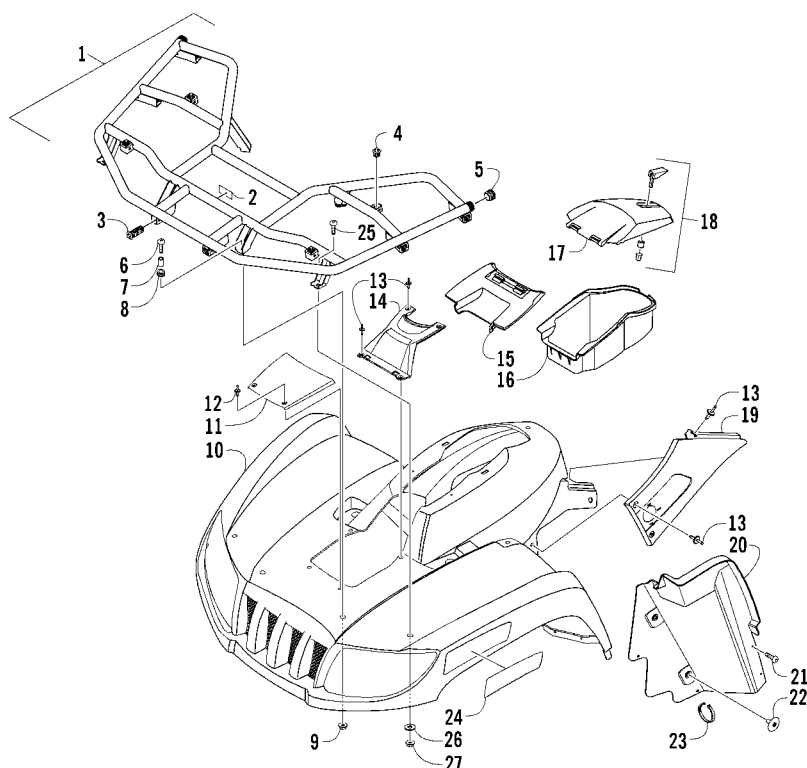
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2005 ATV 650 H1 LE

(Model No. A2005IBS4BUSO)

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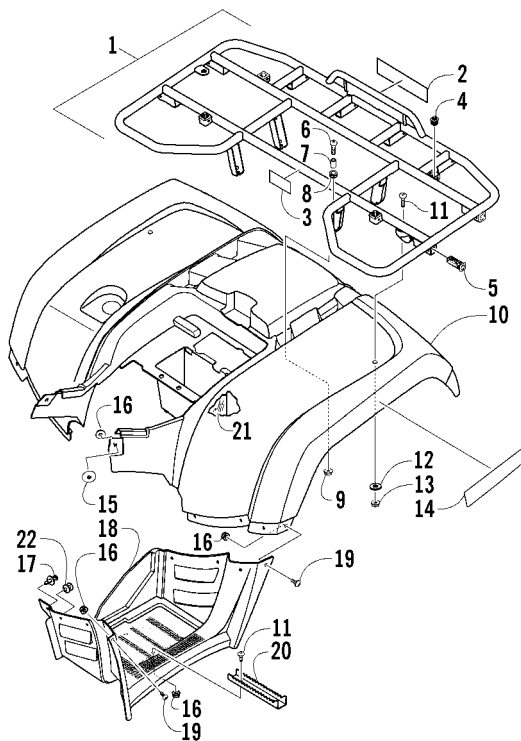
■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2005 model year.



FRONT BODY PANEL ASSEMBLY

0740-568

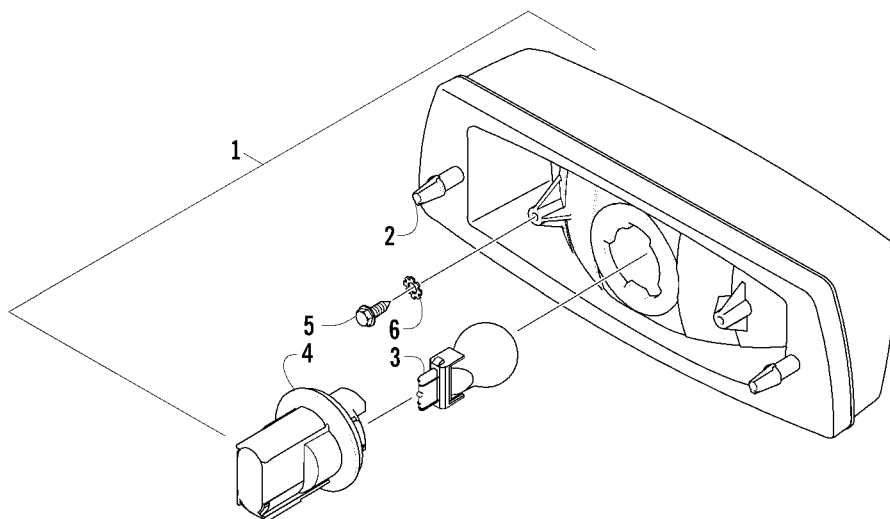
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1506-883</u>	1	Rack - Front - Assembly (inc. 2-5)	16	1406-573	1	Box, Storage
2	0411-576	1	● Decal, Warning - Front Rack Load	17	0470-514	1	Lid, Storage Box
3	<u>2406-014</u>	6	● Bushing, Rack	18	1406-599	1	Latch, Storage Box
4	0441-592	4	● Bushing, Rack	19	1406-313	1	Panel, Side - Right
5	1441-049	2	● Plug, Rack		1406-314	1	Panel, Side - Left
6	0423-362	4	Screw, Machine	20	1406-354	1	Panel, Splash - Right
7	0423-463	4	Spacer		1406-355	1	Panel, Splash - Left
8	0423-465	4	Grommet	21	0623-309	4	Screw, Self-Tapping
9	8432-802	4	Nut, Lock	22	0423-101	3	Screw, Body
10	<u>2406-108</u>	1	Panel, Fender - Front	23	0123-788	AR	Cable Tie - 7.5 in.
11	1406-358	1	Cover, Access	24	<u>0411-818</u>	1	Decal, Reflector - Front - Right
12	0423-535	2	Rivet, Reinstallable		<u>0411-819</u>	1	Decal, Reflector - Front - Left
13	0623-362	10	Rivet, Reinstallable	25	0423-355	2	Screw, Shoulder
14	1406-484	1	Cover, Steering Post	26	8050-222	2	Washer
15	0470-513	1	Cover, Storage Box	27	8424-602	2	Nut, Lock



REAR BODY PANEL ASSEMBLY

0740-260

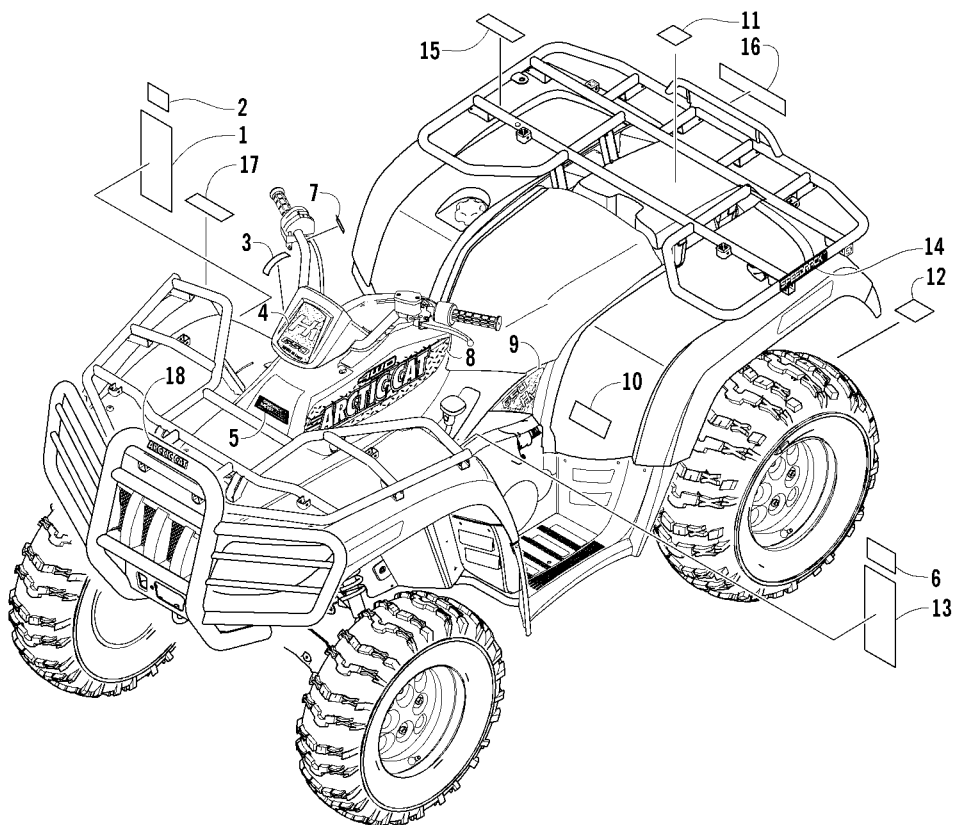
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0541-340</u>	1	Rack - Rear - Assembly (inc. 2-5)	13	8424-602	2	Nut, Lock
2	<u>0411-947</u>	1	● Decal, "Arctic Cat"	14	<u>0411-820</u>	1	Decal, Reflector - Rear - Right
3	0411-648	1	● Decal, Warning - Rear Rack Load		<u>0411-821</u>	1	Decal, Reflector - Rear - Left
4	0441-592	4	● Bushing, Rack	15	0423-101	2	Screw, Body
5	<u>2406-014</u>	8	● Bushing, Rack	16	<u>0423-540</u>	10	Nut, Lock
6	0423-362	4	Screw, Machine	17	0623-362	2	Rivet, Reinstallable
7	0423-463	4	Spacer	18	<u>1406-356</u>	1	Footwell - Right
8	0423-465	4	Grommet		<u>1406-357</u>	1	Footwell - Left
9	8432-802	4	Nut, Lock	19	0423-419	4	Screw, Machine
10	<u>2406-109</u>	1	Panel, Fender - Rear	20	<u>1506-125</u>	2	Footpeg
11	0423-355	6	Screw, Shoulder	21	<u>0412-296</u>	1	Shield, Heat
12	8050-222	2	Washer	22	0423-046	12	Rivet, Plastic



TAILLIGHT ASSEMBLY

0739-667

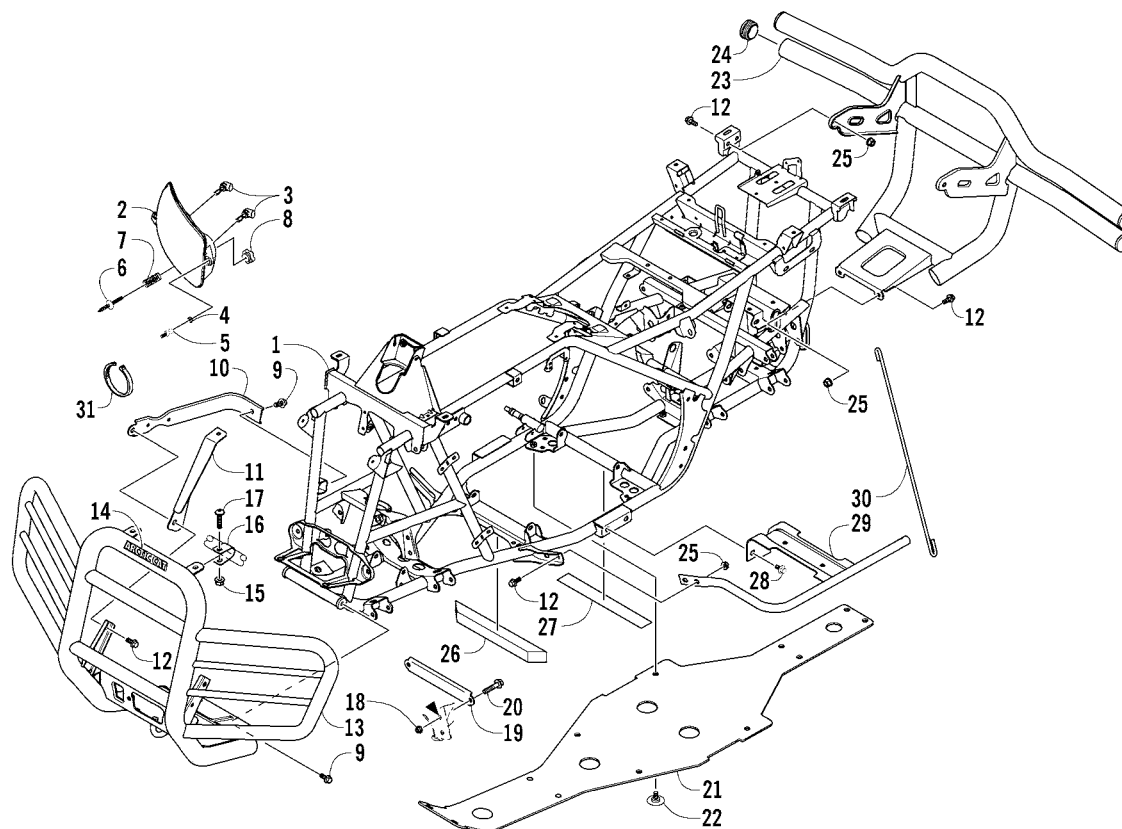
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-022	1	Taillight Assembly (inc. 2-4)	4	0409-057	1	● Socket, Taillight
2	0509-025	1	● Housing, Taillight	5	0623-301	2	Screw, Self-Tapping
3	0409-056	1	● Bulb, Taillight	6	8053-212	2	Washer, Lock - External Tooth



DECALS

0740-362 *Included on Front/Rear Fender Panels

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0411-250</u>	1	Decal, Warning - Reverse/Pre-Ride*	10	0411-430	1	Decal, Warning - Tire Pressure
2	<u>0411-835</u>	1	Decal, Warning - Turn/Hill	11	0411-435	1	Decal, Warning - Passenger
3	0411-426	1	Decal, Warning - Clutch Cover	12	<u>1411-077</u>	1	Decal, Warning - Towing
4	<u>1411-043</u>	1	Decal, Instrument Pod	13	0411-218	1	Decal, Warning - General*
5	<u>0411-964</u>	1	Decal, Crest	14	<u>0411-965</u>	1	Decal, "Speedrack"
6	0411-401	1	Decal, Warning - Age*	15	0411-648	1	Decal, Warning - Rear Rack
7	<u>0411-966</u>	1	Decal, Warning - Differential Lock	16	0411-947	1	Decal, "Arctic Cat"
8	<u>1411-020</u>	1	Decal, Side - Upper Right	17	0411-576	1	Decal, Warning - TRV Rack
	<u>1411-021</u>	1	Decal, Side - Upper Left	18	0411-501	1	Decal, "Arctic Cat" - White
9	<u>1411-028</u>	1	Decal, Side - Lower Right				
	<u>1411-029</u>	1	Decal, Side - Lower Left				

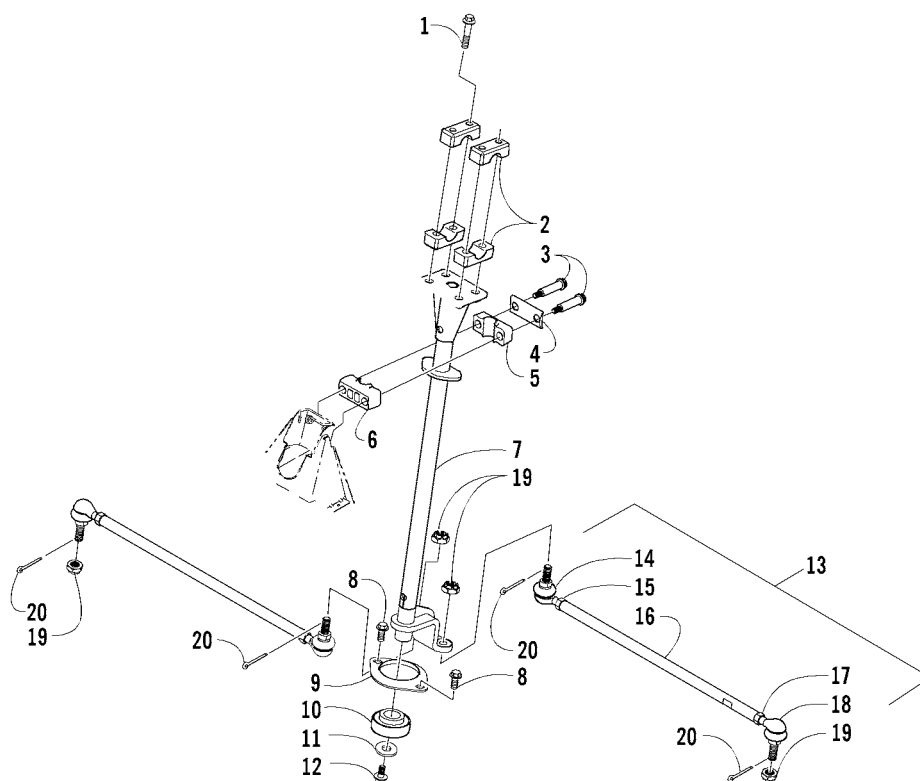


FRAME AND RELATED PARTS

0740-323

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1506-895</u>	1	Frame, Main	16	<u>1506-667</u>	2	Strap, Bumper Support
2	<u>0509-016</u>	1	Headlight Assembly - Right (inc. 3-4)	17	8468-845	2	Screw, Machine
	<u>0509-018</u>	1	Headlight Assembly - Left (inc. 3-4)	18	8428-002	2	Nut, Lock
3	<u>0409-055</u>	4	● Bulb, Headlight	19	<u>1506-429</u>	1	Brace, A-Arm
4	<u>0423-452</u>	4	● Socket, Mounting	20	8409-025	2	Screw, Cap
5	<u>0423-515</u>	4	Stud, Mounting - Headlight	21	1406-030	1	Panel, Belly
6	<u>0423-514</u>	2	Stud, Adjuster - Headlight	22	0423-101	10	Screw, Body
7	<u>0423-522</u>	2	Spring, Adjuster	23	<u>1506-615</u>	1	Bumper, Rear (inc. 24)
8	<u>0423-513</u>	2	Knob, Adjuster	24	0406-130	4	● Cap, Bumper
9	8409-020	4	Screw, Cap	25	8424-802	8	Nut, Flange
10	<u>1506-725</u>	2	Channel, Bumper Mounting	26	1506-067	1	Foam, Frame
11	<u>1506-562</u>	1	Bracket, Mounting - Bumper - Right	27	0406-289	1	Pad, Battery Top
	<u>1506-563</u>	1	Bracket, Mounting - Bumper - Left	28	8409-016	4	Screw, Cap
12	8408-816	10	Screw, Cap	29	<u>1506-380</u>	1	Footrest - Right
13	1506-398	1	Bumper (inc. 14)		<u>1506-379</u>	1	Footrest - Left
14	0411-501	1	● Decal, "Arctic Cat" - White	30	1406-298	2	Rod, Support
15	8424-805	2	Nut, Lock	31	0623-751	1	Cable Tie

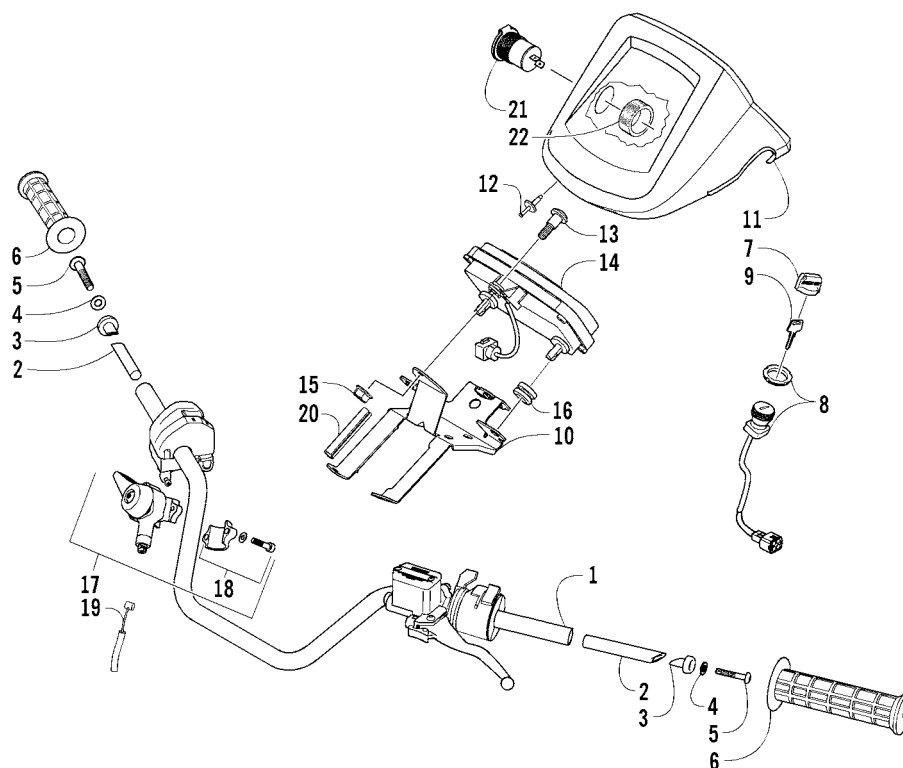
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STEERING POST ASSEMBLY

0739-774

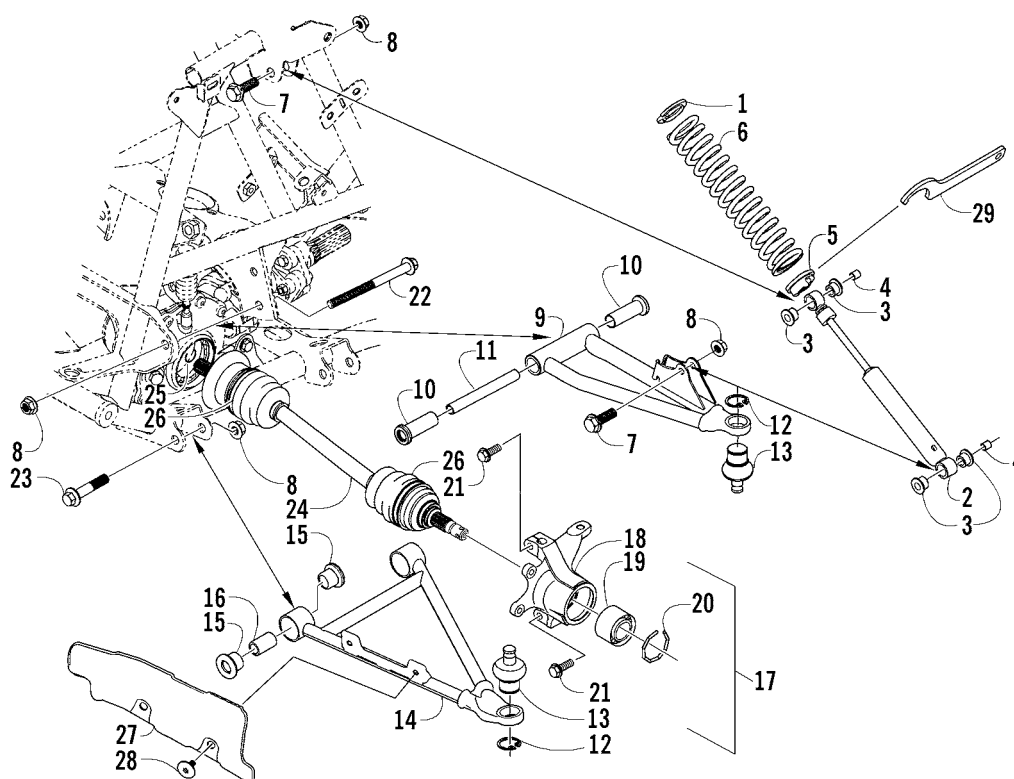
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	11	0423-073	1	Washer
2	0405-035	4	Cap, Steering Adjuster	12	8409-020	1	Screw, Cap
3	<u>0423-505</u>	2	Screw, Shoulder	13	0505-408	2	Tie Rod - Assembly (inc. 14-18)
4	<u>0405-166</u>	1	Cap, Housing	14	0405-083	2	● Ball Joint, Tie Rod - Left
5	<u>0405-138</u>	1	Housing, Lower	15	0423-013	2	● Nut - Left
6	<u>0405-139</u>	1	Housing, Upper	16	0405-107	2	● Tie Rod
7	<u>0505-451</u>	1	Post, Steering	17	8420-002	2	● Nut - Right
8	8408-816	2	Screw, Cap	18	0405-082	2	● Ball Joint, Tie Rod - Right
9	0602-233	1	Flange, Bearing	19	0423-157	4	Nut, Top Lock
10	0405-052	1	Bearing w/Inverted Oil Seal	20	0623-175	4	Pin, Cotter



HANDLEBAR ASSEMBLY

0740-301

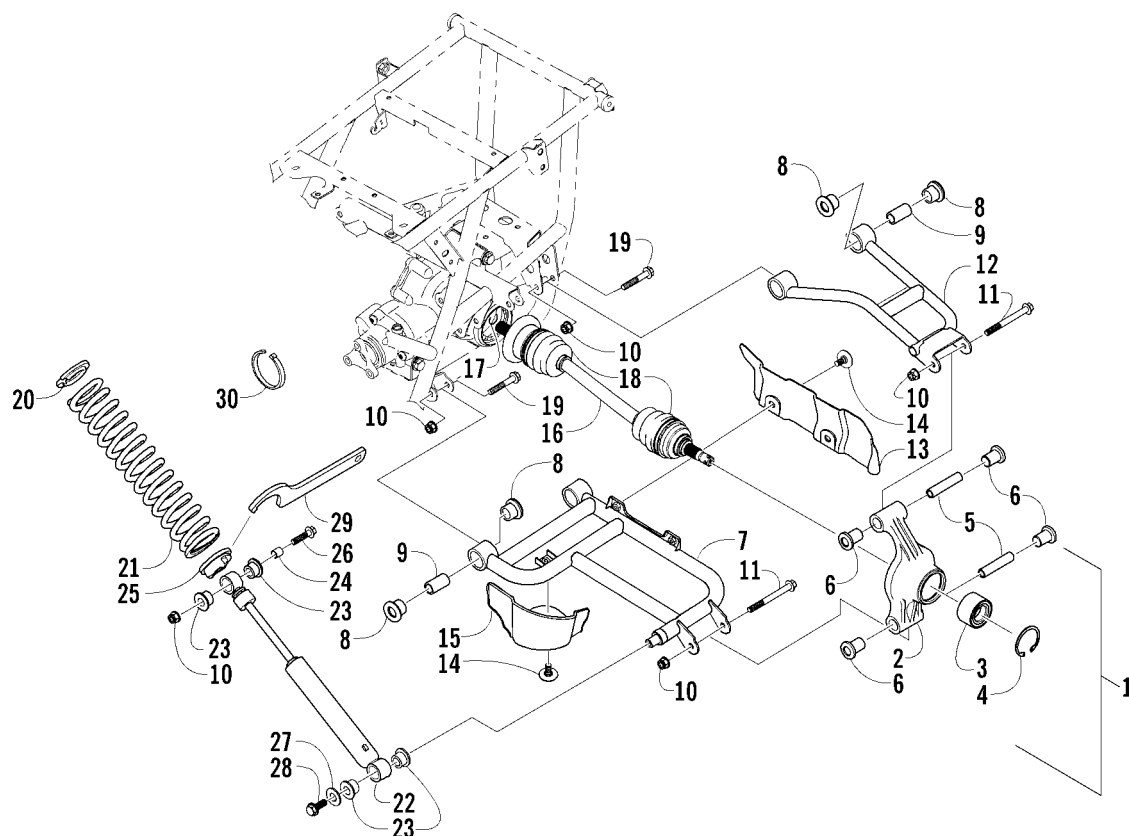
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0505-448</u>	1	Tube, Handlebar	11	<u>0405-174</u>	1	Instrument Pod
2	<u>0405-148</u>	2	Plug, Handlebar	12	0623-362	2	Rivet, Reinstallable
3	<u>0405-149</u>	2	End Cap, Handlebar	13	0423-356	1	Screw, Shoulder
4	8050-247	2	Washer	14	<u>0420-054</u>	1	Gauge, Digital
5	8477-845	2	Screw, Machine	15	8424-602	1	Nut, Flange
6	<u>0405-147</u>	2	Grip, Handlebar	16	0423-448	2	Grommet
7	0409-013	1	Cover, Key	17	<u>0502-527</u>	1	Control, Differential Lock (inc. 18)
8	0430-036	1	Switch, Ignition - Assembly (inc. 9)	18	<u>0502-613</u>	1	● Clamp, Differential Lock Control - Kit
9	3409-007	1	● Key, Ignition - Blank (C Series)	19	<u>0487-030</u>	1	Cable, Differential Lock
	3409-011	1	● Key, Ignition - Blank (D Series)	20	0706-371	1	Trim
	3409-012	1	● Key, Ignition - Blank (E Series)	21	0445-022	1	Receptacle, 12V (inc. 22)
	3409-013	1	● Key, Ignition - Blank (F Series)	22	0445-034	1	● Nut, Retainer
10	<u>1506-592</u>	1	Bracket, Mounting - Instrument Pod				



FRONT SUSPENSION ASSEMBLY

0739-603 *Not a Service Part

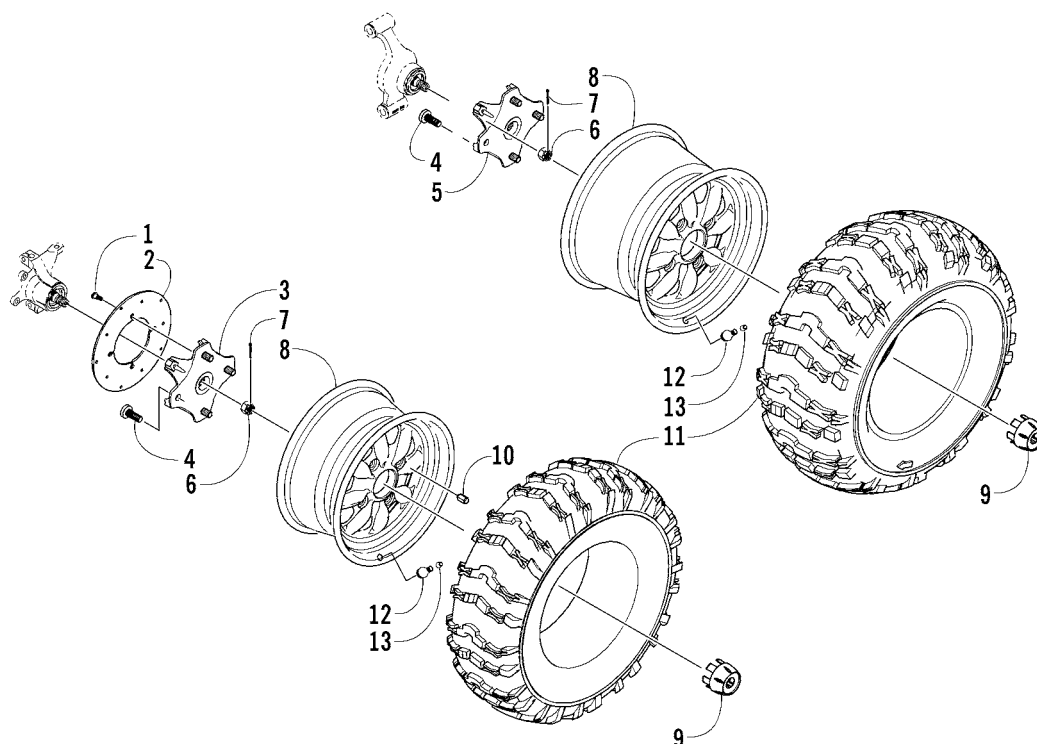
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1603-889	2	Retainer, Spring	16	0403-114	4	● Collar
2	0403-127	2	Shock Absorber - Front (inc. 3-4)	17	<u>0505-446</u>	1	Knuckle - Assembly - Right (inc. 18-20)
3	0604-310	8	● Bushing, Shock Absorber		<u>0505-447</u>	1	Knuckle - Assembly - Left (inc. 18-20)
4	0403-028	4	● Sleeve, Shock	18	*	1	● Knuckle, Steering - Right
5	0403-102	2	Cam, Spring Adjuster		*	1	● Knuckle, Steering - Left
6	0403-129	2	Spring, Shock Absorber - Platinum	19	1402-027	2	● Bearing, Wheel Hub
7	8409-040	4	Screw, Cap	20	0423-423	2	● Ring, Retaining
8	8428-002	10	Nut, Lock	21	8409-030	4	Screw, Cap
9	<u>0503-274</u>	1	A-Arm, Upper Right - Platinum (inc. 10-13)	22	0423-334	2	Screw, Cap
	<u>0503-275</u>	1	A-Arm, Upper Left - Platinum (inc. 10-13)	23	8409-075	4	Screw, Cap
10	0403-081	4	● Bushing	24	<u>0502-542</u>	1	Axle, Drive - Front - Right (inc. 25-26)
11	0403-080	2	● Collar		<u>0502-547</u>	1	Axle, Drive - Front - Left (inc. 25-26)
12	0423-009	4	● Clip, Ball Joint	25	0441-400	4	● Clip, Retaining
13	0405-115	4	● Ball Joint - Front	26	0436-276	2	● Repair Kit, Boot - Front Axle
14	<u>0503-270</u>	1	A-Arm, Lower Right - Platinum (inc. 12-13 and 15-16)	27	1406-034	1	Guard, Boot - Right - Black
	<u>0503-271</u>	1	A-Arm, Lower Left - Platinum (inc. 12-13 and 15-16)		1406-035	1	Guard, Boot - Left - Black
15	0403-115	8	● Bushing	28	0423-101	4	Screw, Body
				29	0441-587	1	Wrench, Spanner



REAR SUSPENSION ASSEMBLY

0740-328 *Not a Service Part

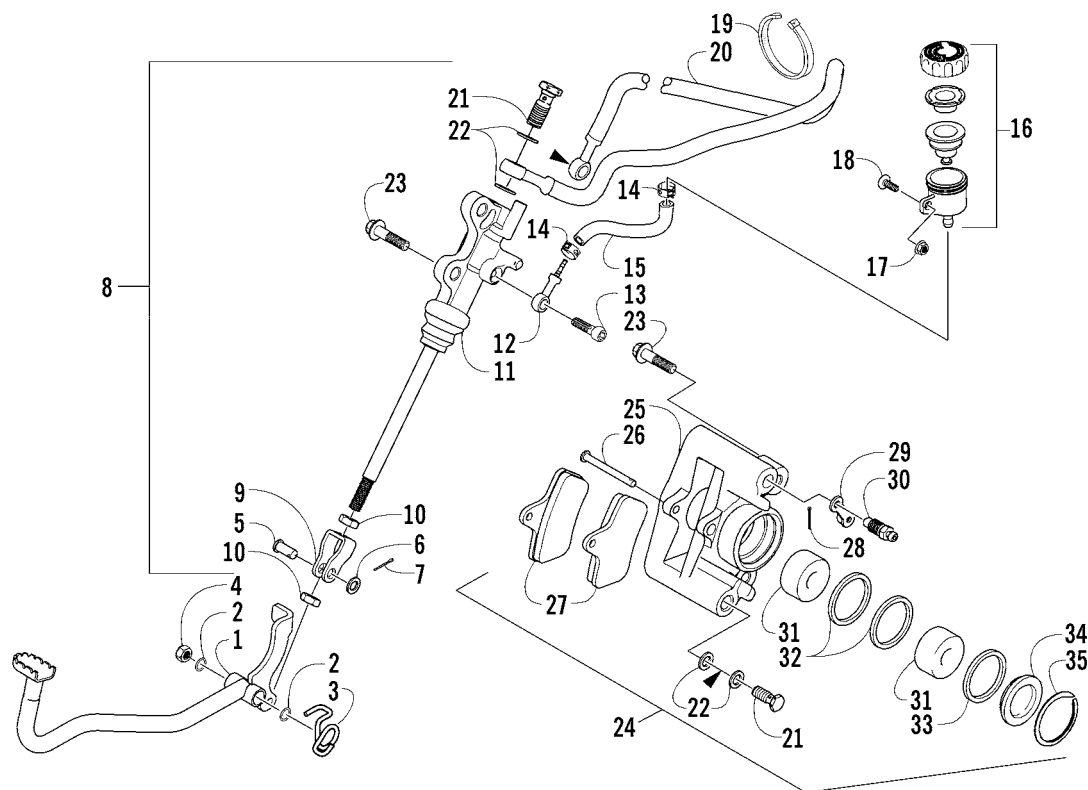
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0504-372</u>	1	Knuckle, Right Rear - Assembly (inc. 2-6)	13	1406-068	1	Guard, Boot - Rear - Right
	<u>0504-373</u>	1	Knuckle, Left Rear - Assembly (inc. 2-6)		1406-069	1	Guard, Boot - Rear - Left
2	*	1	● Knuckle - Right	14	0423-101	6	Screw, Body
	*	1	● Knuckle - Left	15	1406-071	1	Guard, Boot - Right
3	1402-027	2	● Bearing, Wheel Hub		1406-072	1	Guard, Boot - Left
4	0423-423	2	● Ring, Retaining	16	0502-596	2	Axle, Drive (inc. 17-18)
5	0403-038	4	● Collar, Suspension Bushing	17	0441-400	2	● Clip, Retaining
6	0403-032	8	● Bushing, Suspension	18	0436-276	2	● Repair Kit, Boot - Rear Axle
7	<u>0504-328</u>	1	A-Arm, Rear - Lower Right - Platinum (inc. 8-9)	19	8409-075	8	Screw, Cap
	<u>0504-329</u>	1	A-Arm, Rear - Lower Left - Platinum (inc. 8-9)	20	1603-889	2	Retainer, Spring
8	0403-115	16	● Bushing	21	0404-074	2	Spring, Suspension - Platinum
9	0403-114	8	● Collar	22	<u>0404-085</u>	2	Shock Absorber - Rear (inc. 23-24)
10	8428-002	14	Nut, Lock	23	0604-310	8	● Bushing, Shock Absorber
11	8409-000	4	Screw, Cap	24	0403-028	2	● Sleeve, Shock Absorber
12	<u>0504-332</u>	1	A-Arm, Rear - Upper Right - Platinum (inc. 8-9)	25	0404-057	2	Cam, Spring Adjuster
	<u>0504-333</u>	1	A-Arm, Rear - Upper Left - Platinum (inc. 8-9)	26	8409-040	2	Screw, Cap
				27	0423-087	2	Washer
				28	8408-820	2	Screw, Cap
				29	0441-587	1	Wrench, Spanner
				30	0123-788	2	Cable Tie



WHEEL AND TIRE ASSEMBLY

0740-263

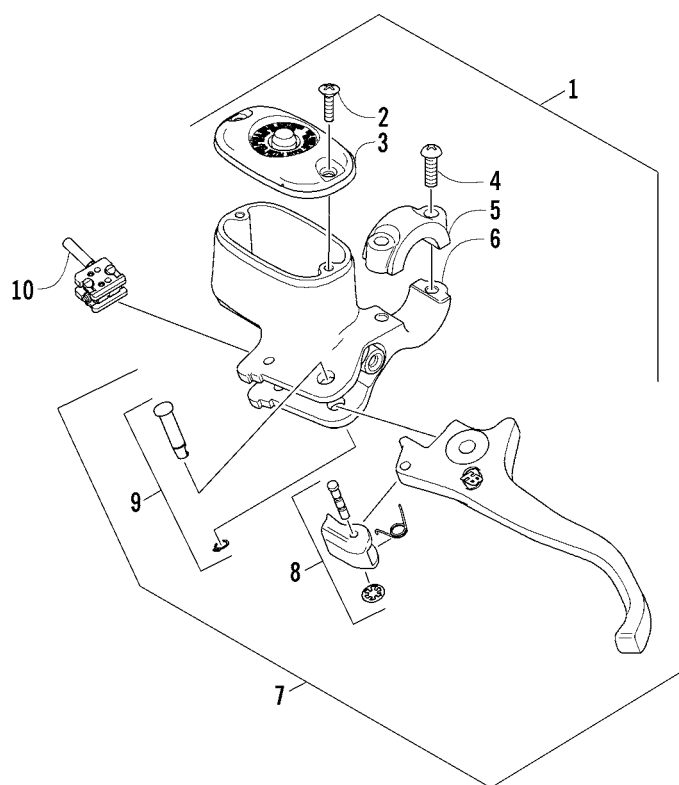
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0423-557</u>	12	Screw, Shoulder w/Loctite	8	<u>1402-286</u>	2	Wheel - Front - Spoked (inc. 9)
2	<u>1402-225</u>	3	Disc, Brake		<u>1402-287</u>	2	Wheel - Rear - Spoked (inc. 9)
3	0502-599	2	Hub, Wheel - Front (inc. 4)	9	<u>1402-325</u>	4	● Cap, Wheel
4	0402-974	16	● Stud, Wheel Hub	10	<u>0423-556</u>	16	Nut, Mounting - Wheel - Chrome
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)	11	1402-201	2	Tire - Front
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)		1402-202	2	Tire - Rear
6	0423-394	4	Nut, Castle	12	0402-064	4	Stem, Valve (inc. 13)
7	0423-407	4	Pin, Cotter	13	0402-140	4	● Cap, Valve Stem



AUXILIARY BRAKE ASSEMBLY

0739-792 *Not a Service Part

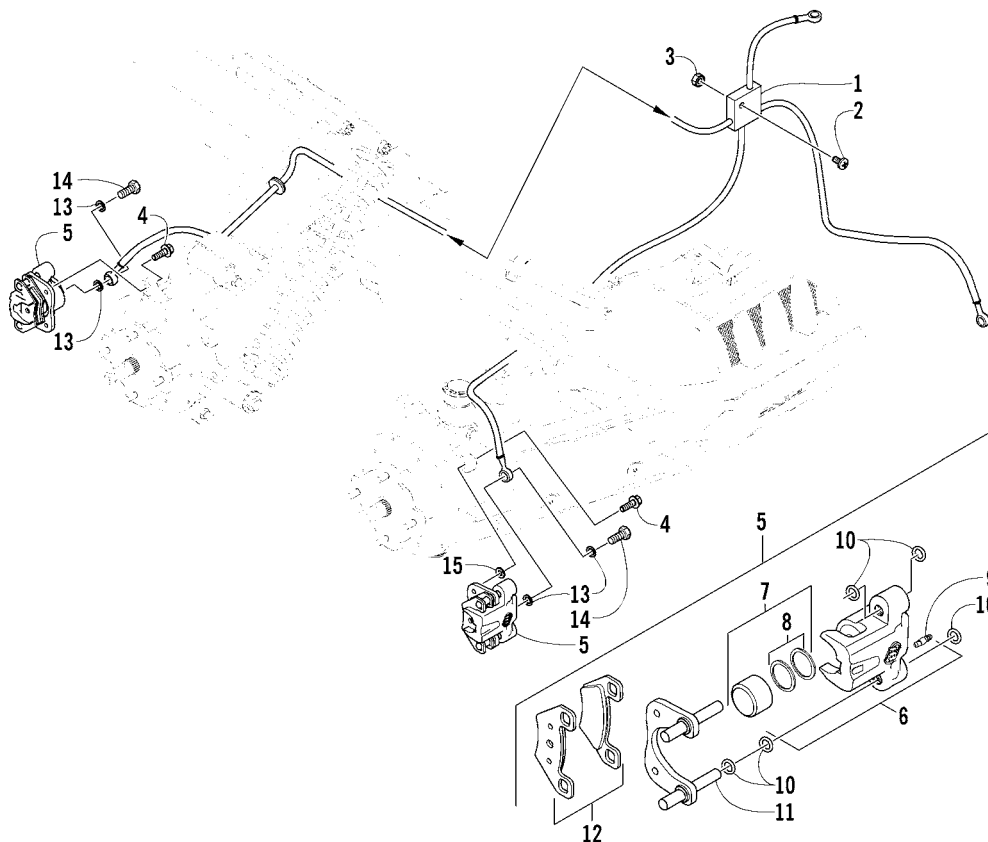
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-656</u>	1	Lever, Brake	19	0123-788	1	Cable Tie - 7.5 in.
2	1602-213	2	O-Ring	20	1402-200	1	Hose, Brake
3	<u>0502-713</u>	1	Spring, Brake Lever	21	0423-413	3	Bolt, Banjo Fitting
4	8422-002	1	Nut	22	0423-178	6	Washer, Crush
5	0402-575	1	Pin, Clevis	23	8408-825	4	Screw, Cap
6	0402-583	1	Washer	24	<u>0502-457</u>	1	Caliper, Brake (inc. 25-35)
7	0402-584	1	Pin, Cotter	25	*	1	● Housing, Caliper
8	<u>0502-665</u>	1	Brake Assembly (inc. 9-16)	26	0402-495	1	● Pin, Brake Caliper
9	0402-580	1	● Actuator, Push Rod	27	<u>1402-126</u>	2	● Pad, Brake
10	0402-592	2	● Nut, Jam	28	0423-495	1	● Pin, Cotter
11	*	1	● Master Cylinder	29	0402-493	1	● Cap, Bleed Valve
12	<u>1402-277</u>	1	● Fitting, Banjo	30	<u>1402-123</u>	1	● Valve, Bleed
13	<u>1402-278</u>	1	● Bolt, Banjo Fitting	31	<u>1402-125</u>	2	● Piston
14	<u>0423-525</u>	2	● Clamp, Hose	32	0402-980	2	● O-Ring, Brake Caliper
15	<u>1402-266</u>	1	● Hose, Brake Reservoir	33	*	1	● O-Ring
16	<u>1402-257</u>	1	● Reservoir, Brake	34	*	1	● Plug
17	8424-602	1	Nut, Flanged	35	*	1	● Ring, Retaining
18	8476-616	1	Screw, Machine				



HYDRAULIC HAND BRAKE ASSEMBLY

0739-479

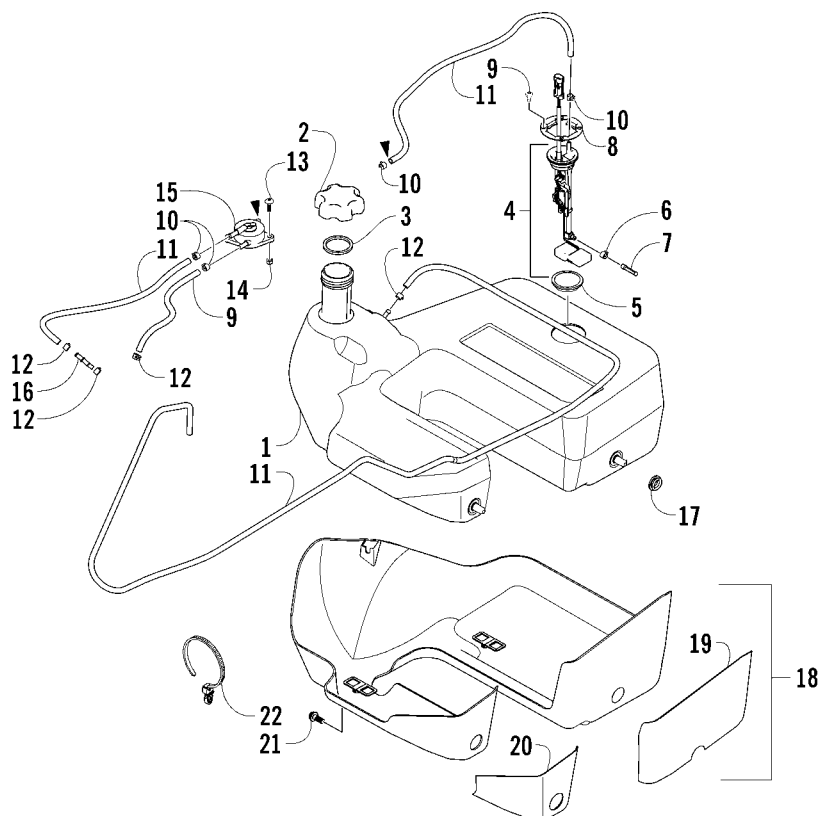
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-703</u>	1	Brake Assembly (inc. 2-10)	6	<u>0502-704</u>	1	● Master Cylinder Assembly - Kit
2	0502-566	1	● Screw, Reservoir Cover - Kit	7	<u>0502-634</u>	1	● Lever Assembly - Kit (inc. 8-9)
3	<u>0502-706</u>	1	● Cover, Reservoir - Kit	8	<u>0502-635</u>	1	● Lock, Brake Lever - Kit
4	0502-568	1	● Screw, Master Cylinder Clamp - Kit	9	0502-580	1	● Lever Pin - Kit
5	<u>0502-705</u>	1	● Clamp, Master Cylinder - Kit	10	0502-564	1	● Switch, Brake - Kit



HYDRAULIC BRAKE ASSEMBLY

0740-604

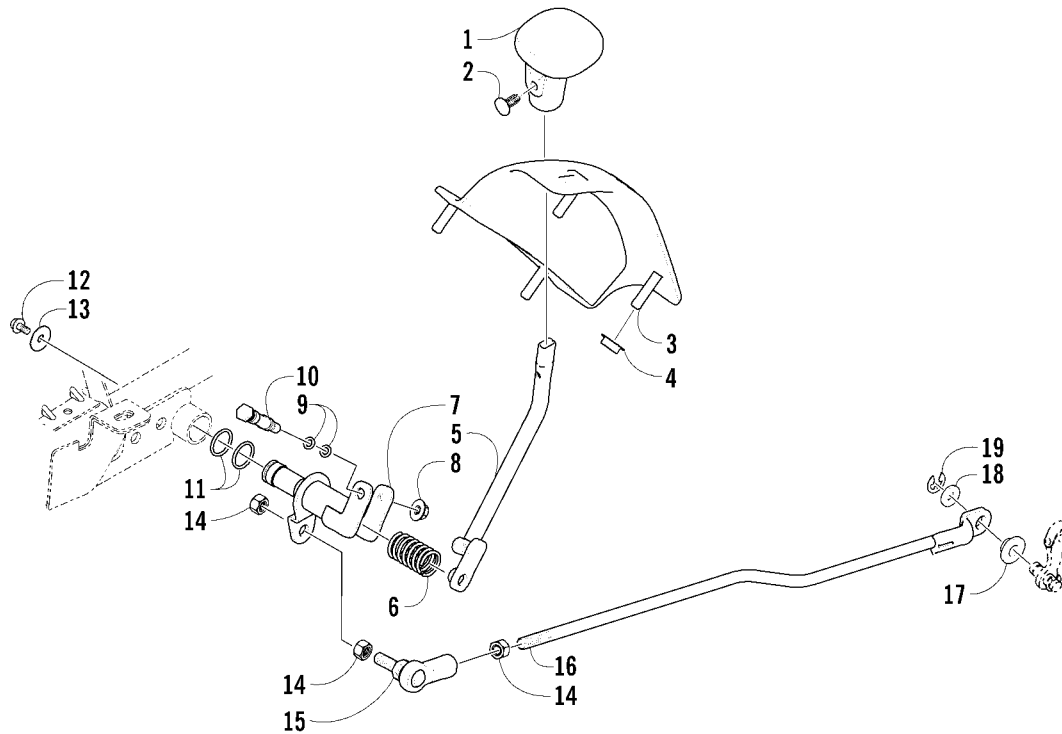
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-627	1	Hose, Brake - Assembly	7	0502-606	3	●● Piston/Seal Set (inc. 8)
2	8476-625	1	Screw, Cap	8	0502-607	3	●●● Seal Set
3	0623-038	1	Nut w/Washer	9	0502-609	3	●● Valve, Bleed
4	8408-820	6	Screw, Cap	10	0502-608	3	● O-Ring, Guide - Set
5	0502-602	1	Caliper, Brake - Right Front (inc. 6-12)	11	0502-605	3	● Bracket Assembly
	0502-610	2	Caliper, Brake - Left Front and Right Rear (inc. 6-12)	12	0502-604	3	● Pad, Brake - Set
6	0502-603	1	● Housing, Caliper - Assembly - Right Front (inc. 7-9)	13	0423-178	6	Washer, Crush
	0502-611	2	● Housing, Caliper - Assembly - Left Front and Right Rear (inc. 7-9)	14	0423-413	3	Bolt, Banjo Fitting
				15	0423-562	4	Washer



GAS TANK ASSEMBLY

0740-265

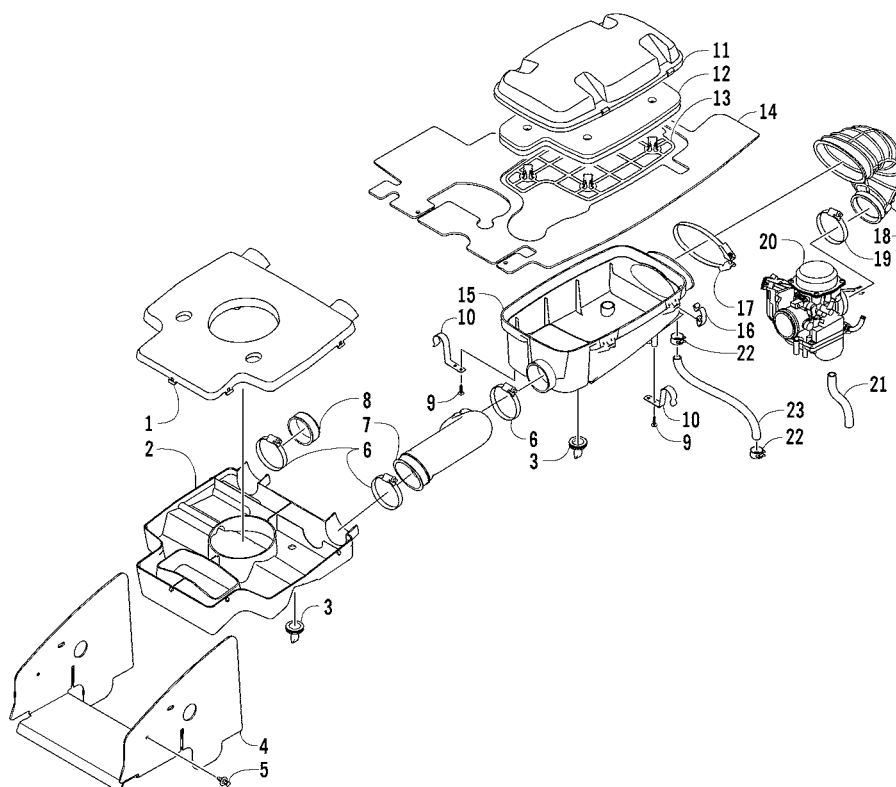
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0570-102</u>	1	Tank, Gas - Assembly (inc. 2-9)	12	<u>1623-233</u>	4	Clamp, Hose
2	0470-438	1	● Cap, Gas Tank (inc. 3)	13	8476-620	2	Screw, Machine
3	0109-733	1	●● Gasket, Tank Cap	14	0623-038	2	Nut, Lock
4	<u>0570-112</u>	1	● Sensor, Fuel Level (inc. 5-7)	15	<u>0470-519</u>	1	Pump, Fuel
5	<u>0470-521</u>	1	●● Seal, Fuel Level Sensor	16	<u>0470-527</u>	1	Fitting, Straight
6	0423-603	1	●● Clamp, Hose	17	0423-460	2	Grommet
7	<u>0470-475</u>	1	●● Filter, Fuel	18	0570-081	1	Shield, Gas Tank - Assembly (inc. 19-20)
8	<u>0470-546</u>	1	● Plate, Mounting - Fuel Level Sensor	19	0470-499	1	● Shield, Heat
9	1623-158	4	● Screw, Self-Tapping	20	0470-498	1	● Shield, Heat
10	0423-461	4	Clamp, Hose	21	8408-816	2	Screw, Cap
11	0410-070	AR	Hose, Gasline - 25 ft	22	0423-075	1	Cable Tie - Push-Mount



REVERSE SHIFT LEVER ASSEMBLY

0739-701

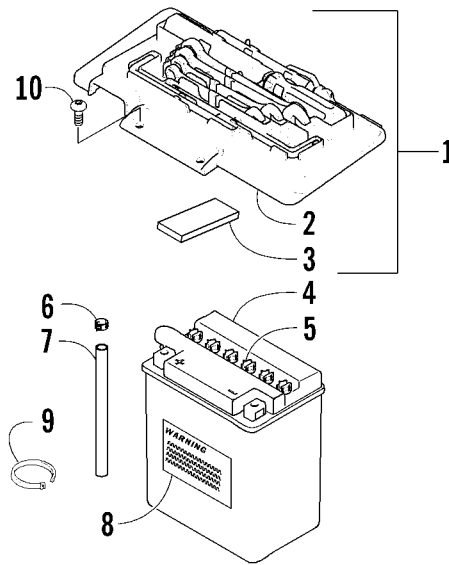
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-843	1	Handle, Reverse Shift Lever	11	0423-299	2	O-Ring
2	0423-345	1	Clip, Push	12	8408-812	1	Screw, Cap
3	<u>1402-110</u>	1	Plate, Shift	13	0423-087	1	Washer
4	0423-357	4	Nut, Stamped	14	0623-294	3	Nut
5	<u>0502-659</u>	1	Lever, Reverse Shift	15	<u>1402-270</u>	1	End, Rod
6	0502-410	1	Spring, Reverse Shift Lever	16	<u>0502-669</u>	1	Linkage, Shift
7	<u>0502-742</u>	1	Axle, Reverse Shift Lever	17	0423-091	1	Bushing, Shift Linkage
8	8424-602	1	Nut	18	8050-242	1	Washer
9	0423-182	2	O-Ring	19	0423-169	1	E-Ring
10	0402-675	1	Axle, Pivot				



AIR INTAKE ASSEMBLY

0740-266

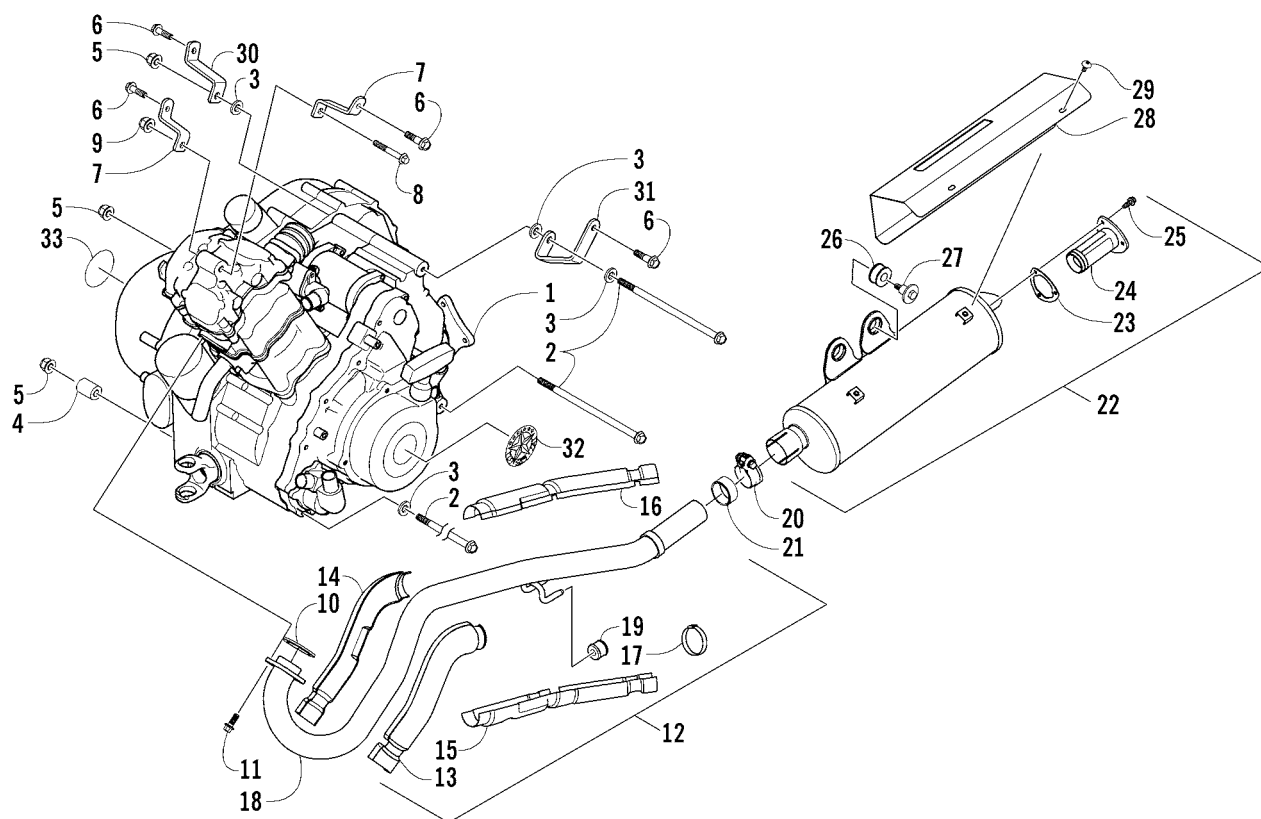
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0413-093</u>	1	Diverter, Air - Top	13	<u>0470-516</u>	1	Screen, Air Filter
2	<u>0413-091</u>	1	Diverter, Air - Bottom	14	<u>2406-009</u>	1	Panel, Shield
3	<u>0470-442</u>	2	Valve, Drain	15	<u>0470-515</u>	1	Housing, Air Intake
4	<u>1406-973</u>	1	Shroud, Splash	16	<u>0423-455</u>	4	Clip, Spring
5	<u>0623-362</u>	2	Rivet, Reinstallable	17	<u>0423-554</u>	1	Clamp, Boot
6	<u>0423-380</u>	3	Clamp	18	<u>0470-511</u>	1	Boot, Carburetor
7	<u>0470-529</u>	1	Boot, Air Intake	19	<u>0423-019</u>	1	Clamp, Boot
8	<u>0413-096</u>	1	Cap, Air Intake - Diverter	20	<u>0470-482</u>	1	Carburetor, CVK40-AE
9	<u>0423-342</u>	4	Screw, Self-Tapping	21	<u>0510-592</u>	1	Hose, Carburetor Drain
10	<u>0423-454</u>	2	Clip, Mounting - Air Intake	22	<u>0423-045</u>	2	Clamp, Hose
11	<u>0470-554</u>	1	Cover, Air Intake	23	<u>0410-079</u>	1	Hose, Vent - Crankcase
12	<u>0470-494</u>	1	Filter, Air				



BATTERY ASSEMBLY

0739-740 *Not Illustrated

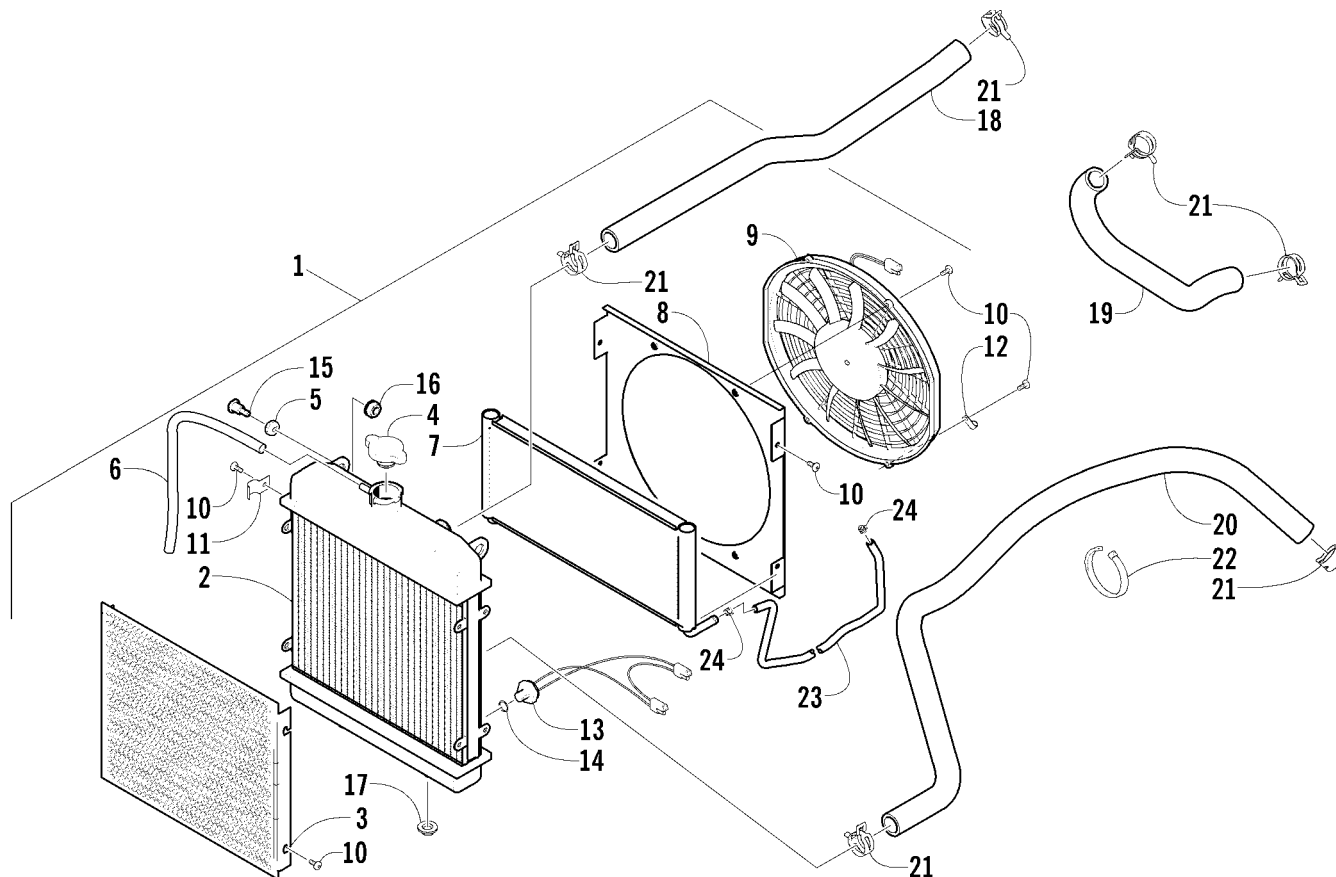
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>5990-839</u>	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	6	0645-152	1	● Clamp, Hose
2	<u>1406-507</u>	1	● Cover, Battery	7	0645-263	1	● Hose, Battery Vent
3	0406-288	2	● Pad, Battery	8	0645-151	1	● Label, Warning - Battery
*	0444-122	1	Kit, Tool	9	0123-903	4	Cable Tie - 11.5 in.
4	0745-045	1	Battery Assembly (inc. 5-8)	10	8476-616	2	Screw, Machine
5	0645-045	6	● Cap, Battery				



ENGINE AND EXHAUST

0740-274

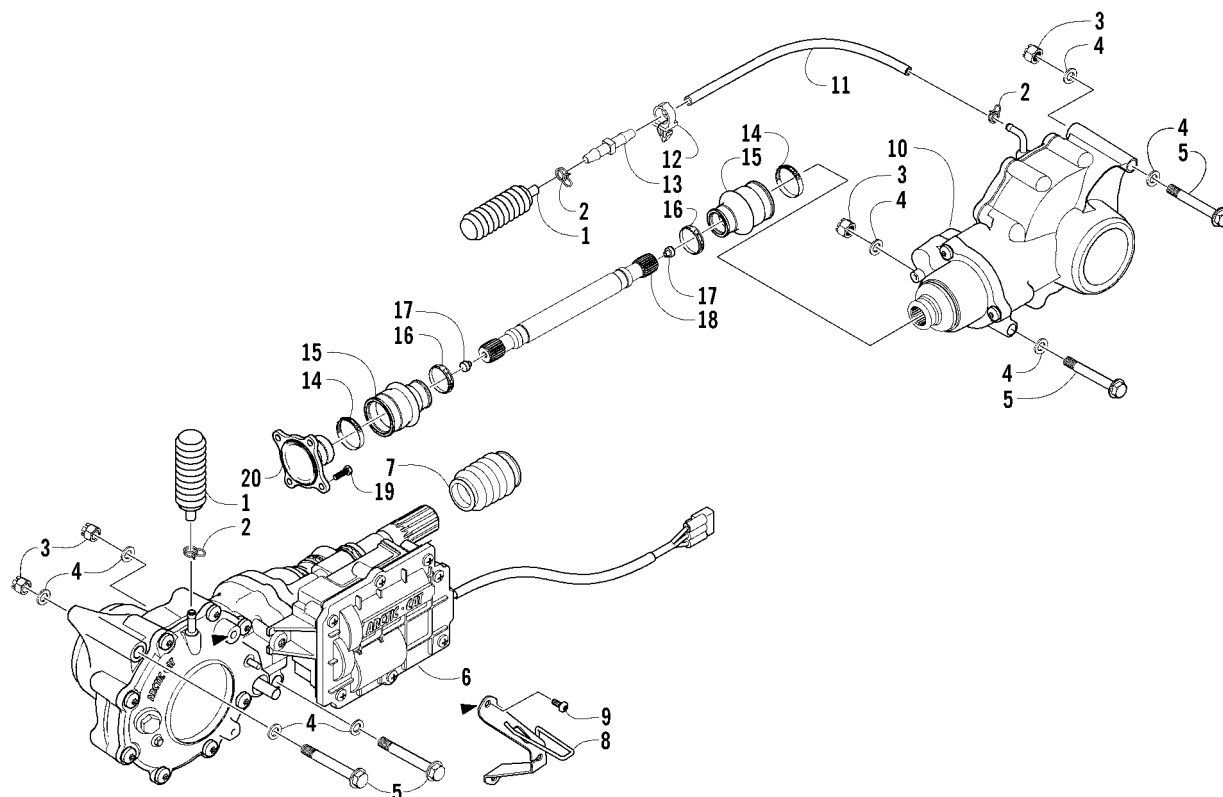
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0800-006</u>	1	Engine	17	<u>0423-317</u>	4	● Hose Clamp
2	<u>0423-405</u>	3	Screw, Cap	18	<u>0512-183</u>	1	● Pipe, Exhaust
3	<u>0423-426</u>	4	Washer, Engine	19	<u>0412-215</u>	2	Bushing, Exhaust Pipe
4	<u>0423-042</u>	2	Spacer, Engine	20	<u>0512-210</u>	1	Clamp, Muffler
5	<u>8428-002</u>	3	Nut, Lock	21	<u>0412-217</u>	1	Seal, Exhaust
6	<u>8408-816</u>	4	Screw, Cap	22	<u>0512-222</u>	1	Muffler - Assembly (inc. 23-25)
7	<u>1506-898</u>	1	Bracket, Engine Mounting - Right	23	<u>0412-313</u>	1	● Gasket, Spark Arrester
	<u>1506-900</u>	1	Bracket, Engine Mounting - Left	24	<u>0512-219</u>	1	● Spark Arrester, Assembly
8	<u>8408-860</u>	1	Screw, Cap	25	<u>8408-616</u>	3	● Screw, Cap
9	<u>8424-802</u>	3	Nut	26	<u>0412-253</u>	2	Bushing, Muffler
10	<u>0412-338</u>	1	Gasket, Exhaust Pipe	27	<u>0423-476</u>	2	Screw, Shoulder
11	<u>8408-820</u>	2	Screw, Cap	28	<u>0412-317</u>	1	Cover, Muffler
12	<u>0512-215</u>	1	Pipe, Exhaust - Assembly (inc. 13-18)	29	<u>8477-610</u>	4	Screw, Machine
13	<u>0412-349</u>	1	● Shield, Exhaust Pipe - Outer - Front	30	<u>1506-632</u>	1	Bracket, Engine Mounting - Right
14	<u>0412-348</u>	1	● Shield, Exhaust Pipe - Inner - Front	31	<u>1506-633</u>	1	Bracket, Engine Mounting - Left
15	<u>0412-271</u>	1	● Shield, Exhaust Pipe - Inner - Rear	32	<u>1411-176</u>	1	Decal, "Duramatic"
16	<u>0412-350</u>	1	● Shield, Exhaust Pipe - Outer - Rear	33	<u>1411-177</u>	1	Decal, "USA"



COOLING ASSEMBLY

0740-363

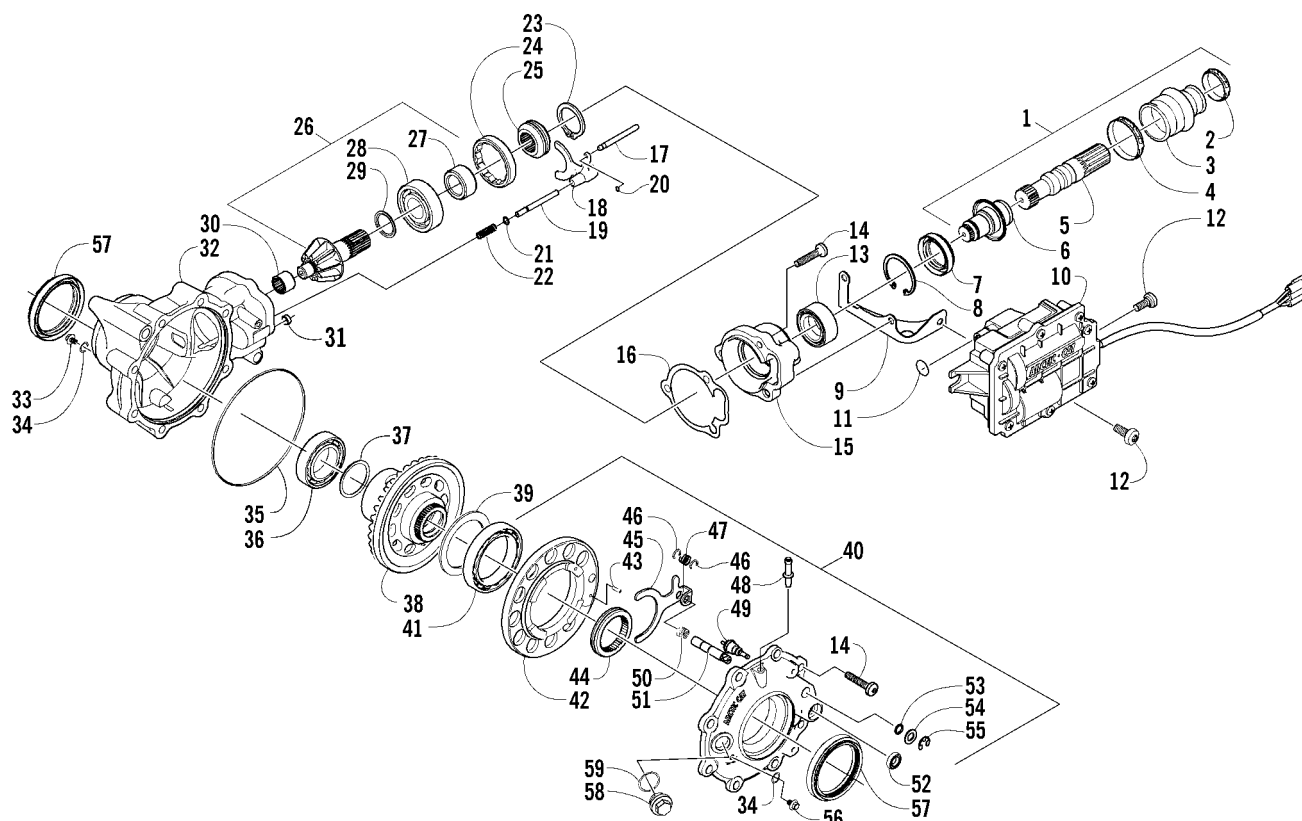
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0413-116</u>	1	Radiator Assembly (inc. 2-14)	13	0413-045	1	● Sender, Temperature - Coolant
2	0413-043	1	● Radiator	14	0423-390	1	● O-Ring
3	0413-007	1	● Screen, Radiator	15	0423-484	2	Screw, Shoulder
4	0413-002	1	● Cap, Radiator	16	0623-038	2	Nut w/Washer
5	0423-030	2	● Grommet	17	0423-028	2	Bushing, Stem
6	0610-016	AR	● Hose - 25 ft	18	0410-002	1	Hose, Coolant - Upper
7	<u>0413-122</u>	1	● Cooler, Oil	19	0410-022	1	Hose, Coolant - Crossover
8	<u>0413-124</u>	1	● Shroud, Fan	20	0410-041	1	Hose, Coolant - Lower
9	<u>0413-123</u>	1	● Fan, Cooling	21	<u>0423-496</u>	6	Clamp, Hose
10	8475-512	12	● Screw, Machine	22	0123-788	2	Cable Tie
11	0423-351	1	● Clamp, Wire	23	<u>0410-099</u>	AR	Hose, Oil Cooler
12	0123-397	1	● Clamp, Cable	24	0423-632	4	Clamp, Hose



DRIVE TRAIN ASSEMBLY

0739-743

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-147	2	Bladder, Gearcase	11	0410-049	AR	Hose, Vent
2	0423-315	4	Clamp, Fitting	12	0623-101	1	Clip, Routing - Snap-In
3	8428-002	4	Nut, Lock	13	0470-462	1	Fitting, Vent
4	0423-426	8	Washer	14	0423-393	2	Clamp, Boot
5	0423-404	4	Screw, Cap	15	0402-985	2	Boot
6	<u>0502-444</u>	1	Gearcase, Front	16	0423-411	2	Clamp, Boot
7	0402-966	1	Boot, Shaft	17	0673-618	2	Bumper, Propeller Shaft
8	0502-500	1	Plate, Cable	18	<u>1402-233</u>	1	Shaft, Propeller
9	0423-396	2	Screw, Self-Tapping	19	8408-820	4	Screw, Cap
10	<u>0502-642</u>	1	Gearcase, Rear	20	0402-950	1	Flange, Output

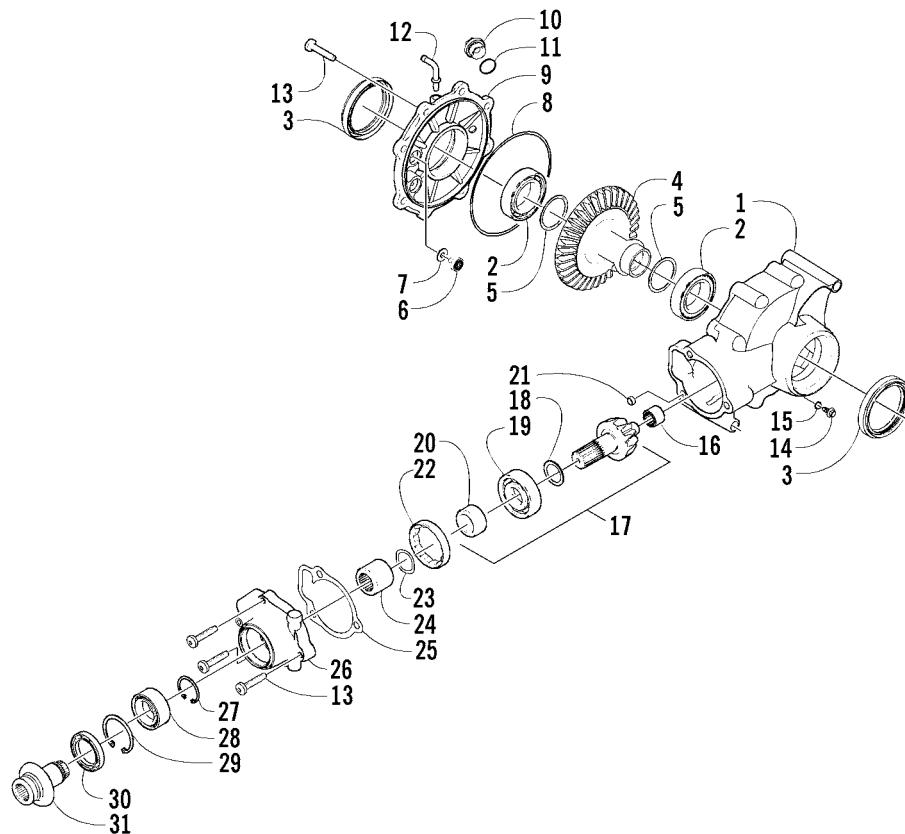


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 0502-444)

0739-579

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-385	1	Shaft, Propeller - Assembly (inc. 2-6)	33	1402-210	1	Plug, Magnetic (inc. one No. 34)
2	0423-411	1	● Clamp, Boot	34	0423-153	2	● O-Ring
3	0402-985	1	● Boot, Propeller Shaft	35	0423-149	1	O-Ring
4	0423-393	1	● Clamp, Boot	36	0402-393	1	Bearing
5	1402-045	1	● Shaft, Output	37	0402-405	AR	Shim
6	0502-407	1	● Shaft, Input		0402-406	AR	Shim
7	1402-011	1	Seal		0402-407	AR	Shim
8	0423-423	1	Ring, Retaining		0402-408	AR	Shim
9	0502-347	1	Bracket, Actuator		0402-409	AR	Shim
10	0502-579	1	Actuator (inc. 11)	38	0502-411	1	Gear, Ring - 36T
11	0423-498	2	● O-Ring	39	1402-074	AR	Shim
12	0423-396	3	Screw, Self-Tapping		1402-075	AR	Shim
13	1402-043	1	Bearing		1402-076	AR	Shim
14	0423-118	11	Screw, Self-Tapping		1402-077	AR	Shim
15	0502-528	1	Housing, Pinion		1402-078	AR	Shim
16	0402-947	1	Gasket, Flange	40	0502-434	1	Cover, Gearcase (inc. one No. 34, 41-56, and one No. 57)
17	0402-997	1	Shaft, Selector	41	1402-053	1	● Bearing
18	0402-998	1	Fork, Selector	42	0502-413	1	● Flange, Bearing
19	0402-417	1	Shaft, Shuttle	43	1402-079	1	● Pin, Parallel
20	0423-402	1	Ring, Retaining	44	1402-042	1	● Collar, Sliding
21	0423-147	1	O-Ring	45	1402-054	1	● Fork
22	0402-999	1	Spring, Return	46	1402-058	2	● Ring, Retaining
23	0423-417	1	Ring, Retaining	47	1402-057	1	● Spring
24	0402-357	1	Collar, Lock	48	1402-104	1	● Fitting
25	0402-413	1	Coupler, Drive	49	0402-419	1	● Switch, Indicator
26	0502-123	1	Gear, Pinion - Assembly - 10T (inc. 27-29)	50	1402-063	1	● Spring
27	0402-336	1	● Collar, Retaining	51	1402-055	1	● Shaft, Lock
28	0402-327	1	● Bearing	52	1402-056	1	● Seal
29	0402-424	AR	● Shim	53	0423-133	1	● O-Ring
	0402-425	AR	● Shim	54	0423-132	1	● Washer
	0402-426	AR	● Shim	55	0423-424	1	● Ring, Retaining
	0402-427	AR	● Shim	56	1402-211	1	● Plug, Oil Level (inc. one No. 34)
	0402-428	AR	● Shim	57	0402-394	2	● Seal
30	0402-328	1	Bearing	58	0402-333	1	Plug, Fill (inc. 59)
31	0402-411	1	Pin, Dowel	59	0423-154	1	● O-Ring
32	0502-514	1	Housing, Gearcase				

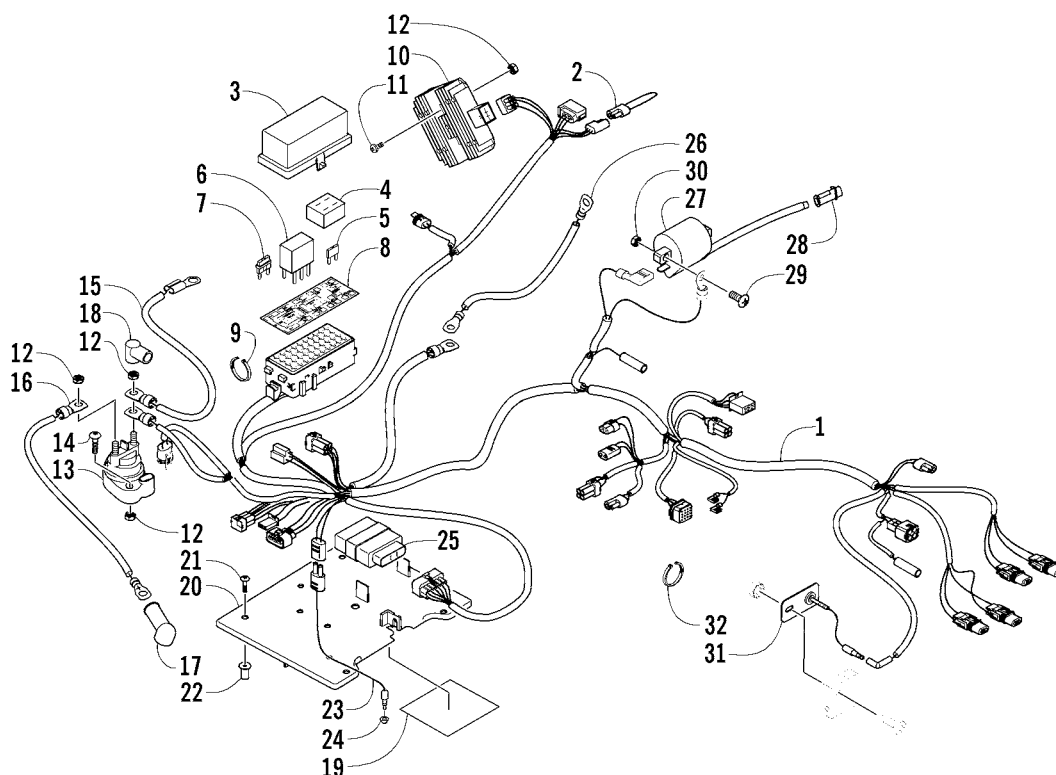


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 0502-642)

0739-580

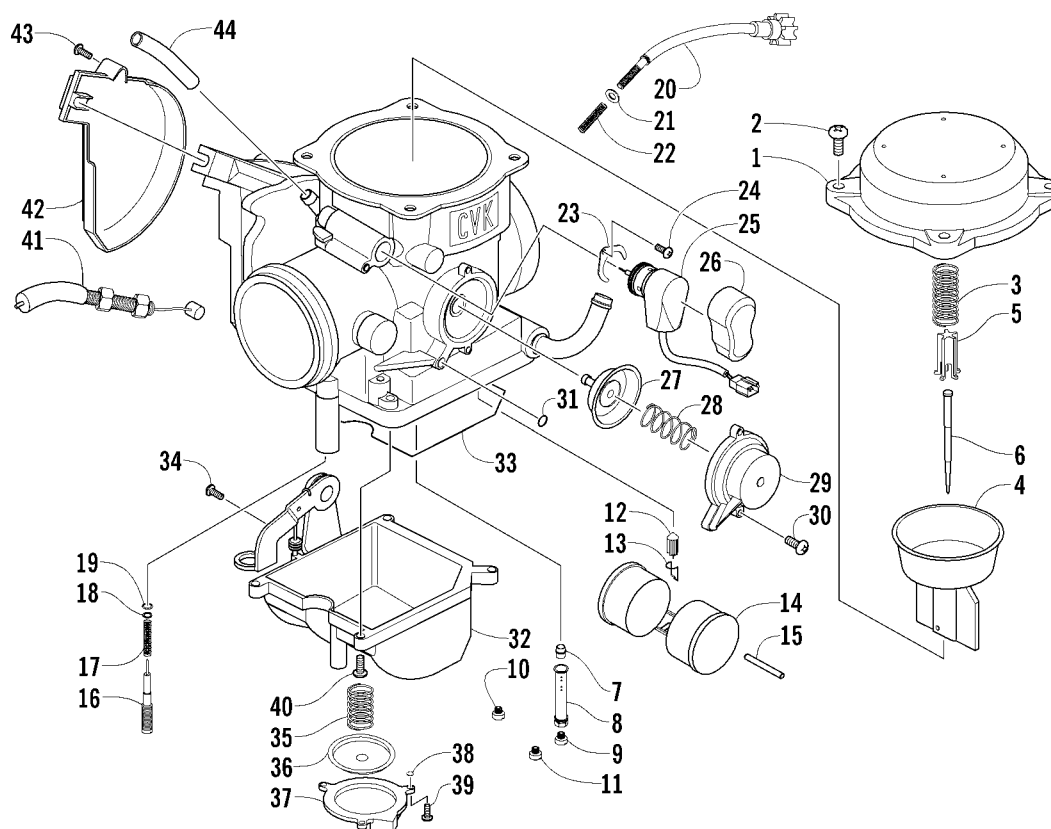
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-352	1	Housing, Gearcase	15	0423-153	1	● O-Ring
2	0402-393	2	Bearing	16	0402-328	1	Bearing
3	0402-394	2	Seal	17	0502-123	1	Gear, Pinion - Assembly - 10T (inc. 18-20)
4	1402-032	1	Gear, Ring - 36T	18	0402-424	AR	● Shim
5	0402-405	AR	Shim		0402-425	AR	● Shim
	0402-406	AR	Shim		0402-426	AR	● Shim
	0402-407	AR	Shim		0402-427	AR	● Shim
	0402-408	AR	Shim		0402-428	AR	● Shim
	0402-409	AR	Shim	19	0402-327	1	● Bearing
6	0402-326	1	Button, Thrust	20	0402-336	1	● Collar, Retaining
7	0402-429	AR	Shim	21	0402-411	1	Pin, Dowel
	0402-430	AR	Shim	22	0402-331	1	Collar, Lock
	0402-431	AR	Shim	23	0402-982	1	Washer, Wave
	0402-432	AR	Shim	24	0402-981	1	Collar, Shaft
	0402-433	AR	Shim	25	0402-947	1	Gasket, Flange
8	0423-149	1	O-Ring	26	0502-529	1	Housing, Pinion
9	0502-346	1	Cover, Gearcase	27	0423-417	1	Ring, Retaining
10	0402-333	1	Plug, Fill (inc. 11)	28	1402-043	1	Bearing
11	0423-154	1	● O-Ring	29	0423-423	1	Ring, Retaining
12	1402-102	1	Fitting	30	1402-011	1	Seal
13	0423-118	11	Screw, Self-Tapping	31	0502-407	1	Shaft, Input
14	0402-450	1	Plug, Magnetic (inc. 15)				



WIRING HARNESS ASSEMBLY

0740-271

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-160</u>	1	Harness, Main (inc. 2-8 and two No. 9)	16	<u>0445-046</u>	1	Cable, Battery/Solenoid (inc. 17)
2	<u>0486-164</u>	1	● Tether, Accessory Connector	17	<u>0645-019</u>	1	● Boot, Terminal
3	<u>0530-008</u>	1	● Cover, Fuse Block	18	<u>0645-327</u>	1	Boot, Terminal
4	<u>0430-037</u>	1	● Holder, Fuse	19	<u>0412-291</u>	1	Shield, Heat
5	<u>0430-034</u>	3	● Diode	20	<u>1406-787</u>	1	Tray, Electrical
6	<u>0430-033</u>	3	● Relay	21	<u>0623-121</u>	4	Screw, Machine
7	<u>0430-032</u>	4	● Fuse - 10 Amp	22	<u>0123-010</u>	4	Nut, Expansion
	<u>0430-031</u>	3	● Fuse - 15 Amp	23	<u>0409-009</u>	1	Switch, Brake - Assembly
	<u>0430-030</u>	2	● Fuse - 30 Amp	24	<u>0402-991</u>	1	Retainer, Switch
8	<u>0411-828</u>	1	● Decal, Fuse Block	25	<u>0824-034</u>	1	CDI Unit
9	<u>0123-788</u>	AR	● Cable Tie - 7.5 in.	26	<u>0445-045</u>	1	Cable, Battery/Ground
10	<u>0824-020</u>	1	Regulator, Voltage	27	<u>0824-022</u>	1	Coil, Ignition - Assembly
11	<u>8476-630</u>	2	Screw, Machine	28	<u>0824-021</u>	1	Cap, Spark Plug
12	<u>0623-038</u>	6	Nut w/Washer	29	<u>8476-620</u>	1	Screw, Machine
13	<u>0445-036</u>	1	Solenoid	30	<u>8424-602</u>	1	Nut, Hex - Flange
14	<u>8476-625</u>	2	Screw, Machine	31	<u>0509-011</u>	1	Diode Assembly
15	<u>0445-044</u>	1	Cable, Solenoid/Starter	32	<u>0123-903</u>	AR	Cable Tie - 11.5 in.

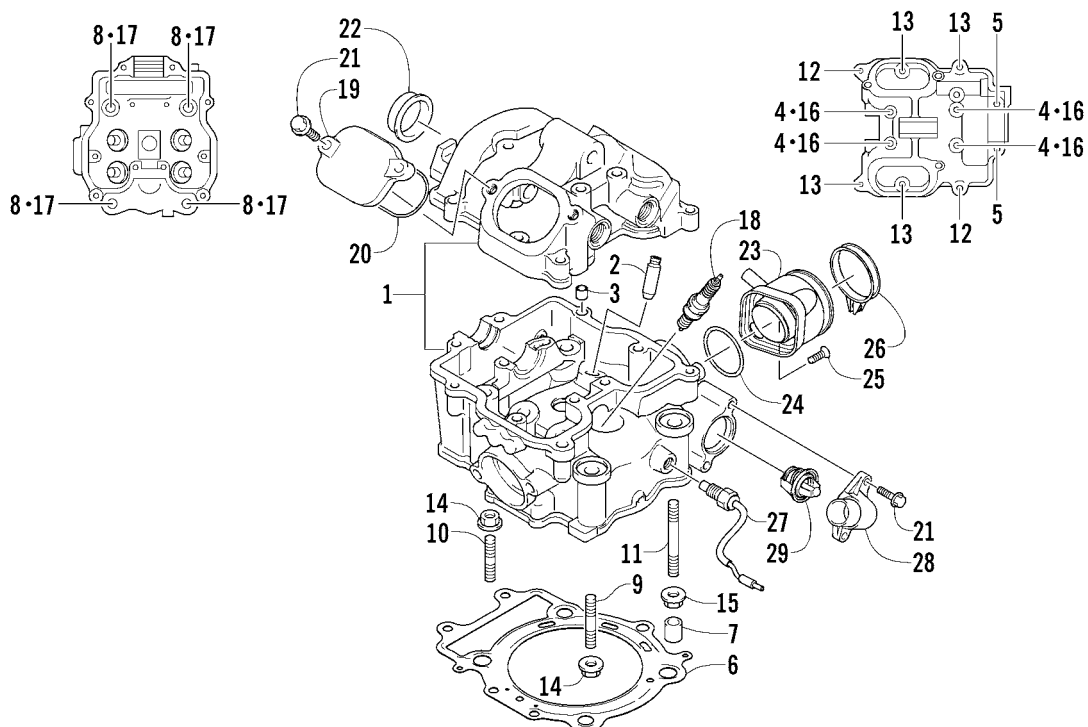


CARBURETOR

CVK40-AE (Complete Assembly p/n 0470-482)

0740-596 *Not a Service Part **Optional

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>5507-186</u>	1	Cover, Top	17	*	1	● Spring
2	<u>5507-187</u>	4	Screw, Top Cover	18	*	1	● Washer
3	<u>5507-188</u>	1	Spring	19	*	1	● O-Ring
4	<u>5507-189</u>	1	Piston, Vacuum	20	5507-027	1	Screw, Idle Adjust
5	<u>5507-190</u>	1	Seat, Spring	21	5507-028	1	Washer
6	<u>5507-191</u>	1	Jet Needle	22	5507-029	1	Spring
7	<u>5507-192</u>	1	Needle Jet	23	5507-115	1	Plate
8	<u>5507-193</u>	1	Holder, Needle Jet	24	5507-117	1	Screw
9	5507-076	1	Main Jet - 138	25	<u>5507-196</u>	1	Choke, Electric
	5507-072	1	Main Jet - 125**	26	<u>5507-114</u>	1	Cover, Electric Choke
	5507-073	1	Main Jet - 128**	27	5507-116	1	Diaphragm Assembly
	5507-074	1	Main Jet - 130**	28	5507-104	1	Spring
	5507-075	1	Main Jet - 132**	29	5507-105	1	Cover
	5507-057	1	Main Jet - 135**	30	5507-106	2	Screw
	5507-043	1	Main Jet - 142**	31	5507-102	1	U-Ring
	5507-042	1	Main Jet - 145**	32	<u>5507-200</u>	1	Chamber, Float - Assembly (inc. 33-39)
	5507-041	1	Main Jet - 148**	33	5507-067	1	● O-Ring, Float Chamber
	5507-086	1	Main Jet - 148**	34	<u>5507-195</u>	1	● Screw, Drain
	5507-009	1	Main Jet - 150**	35	5507-032	1	● Spring
	5507-077	1	Main Jet - 152**	36	<u>5507-197</u>	1	● Diaphragm Assembly - Pump Housing
	5507-078	1	Main Jet - 155**	37	<u>5507-198</u>	1	● Housing, Pump
10	<u>5507-194</u>	1	Slow Jet	38	5507-034	1	● U-Ring
11	5507-112	1	Starter Jet - 85	39	5507-035	3	● Screw
12	<u>5507-183</u>	1	Valve, Float - Set (inc. 13)	40	5507-017	4	Screw
13	*	1	● Clip	41	0487-021	1	Cable, Throttle
14	5507-039	1	Float Set (inc. 15)	42	5507-036	1	Cover
15	*	1	● Pin, Float	43	5507-037	1	Screw
16	5507-111	1	Screw, Pilot Air - Set (inc. 17-19)	44	0410-056	1	Hose, Vent

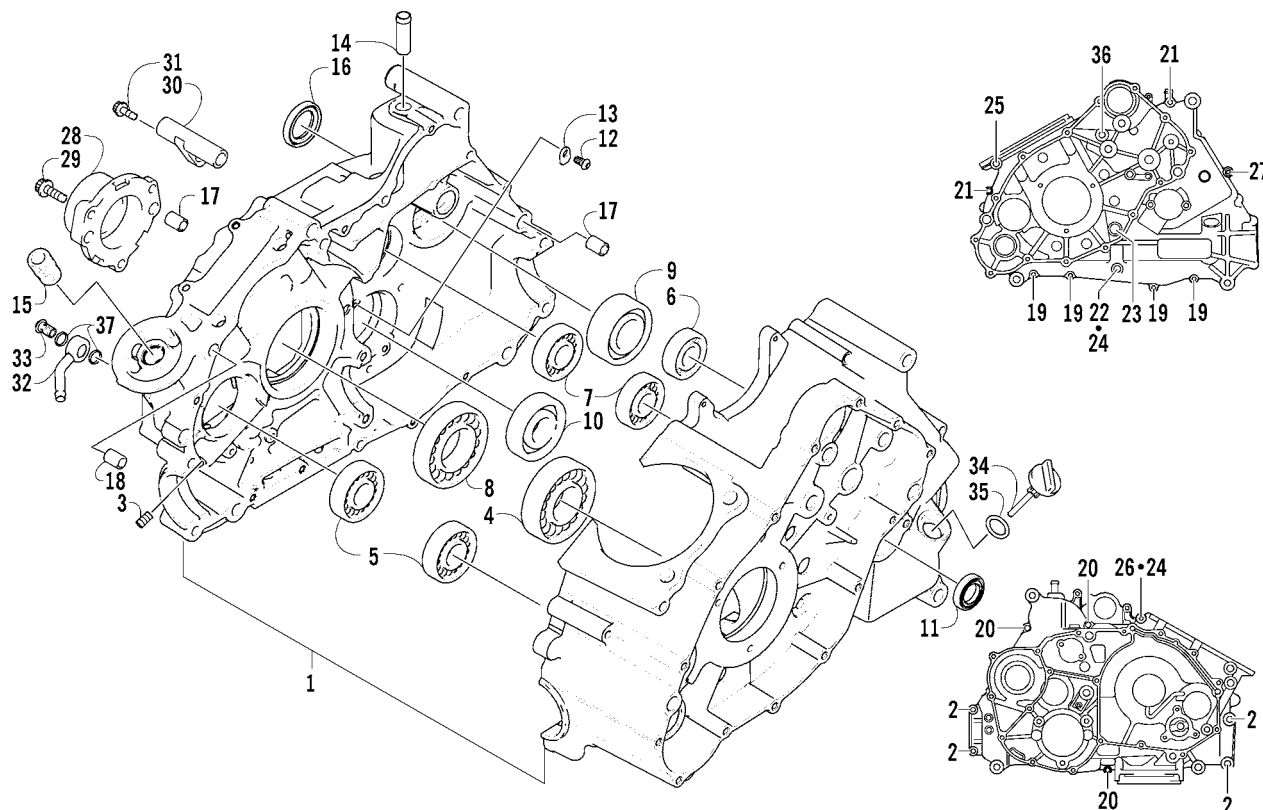


CYLINDER HEAD ASSEMBLY

0739-926

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0808-047</u>	1	Head, Cylinder - Assembly (inc. 2-4)	16	<u>0830-107</u>	4	Gasket - Seal, Fastener
2	<u>0808-002</u>	4	● Guide, Valve	17	<u>0830-003</u>	4	Washer, Crush
3	<u>0829-001</u>	2	● Dowel, Sleeve	18	<u>0217-727</u>	1	Spark Plug (RG6YC)
4	<u>0826-001</u>	4	● Screw, Cap	19	<u>0808-003</u>	2	Cap, Inspection
5	<u>0826-002</u>	2	Screw, Cap	20	<u>0830-004</u>	2	O-Ring
6	<u>0830-124</u>	1	Gasket, Cylinder Head	21	<u>0826-007</u>	6	Screw, Cap
7	<u>0829-002</u>	2	Pin, Dowel	22	<u>0808-077</u>	1	Plug, Cylinder Head
8	<u>0808-037</u>	4	Screw, Cap	23	<u>0570-101</u>	1	Pipe, Intake - Assembly
9	<u>0827-030</u>	2	Bolt, Stud	24	<u>0830-090</u>	1	O-Ring
10	<u>0827-002</u>	2	Bolt, Stud	25	<u>0826-008</u>	2	Screw, Machine
11	<u>0827-031</u>	1	Bolt, Stud	26	<u>1623-180</u>	1	Clamp, Intercooler
12	<u>0826-005</u>	2	Screw, Cap	27	<u>0808-007</u>	1	Switch, Water Temperature - Assembly
13	<u>0826-006</u>	4	Screw, Cap	28	<u>0808-008</u>	1	Cover, Thermostat
14	<u>8424-604</u>	4	Nut	29	<u>0808-078</u>	1	Thermostat
15	<u>8424-804</u>	1	Nut				

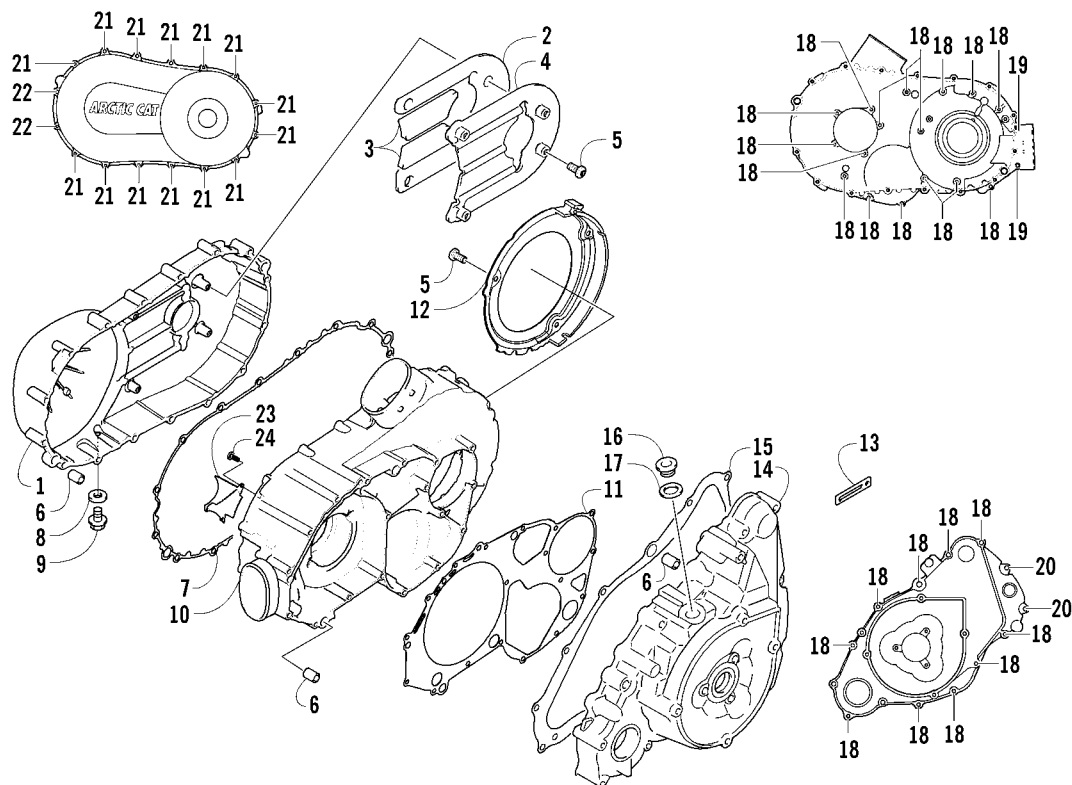
28



CRANKCASE ASSEMBLY

0739-931

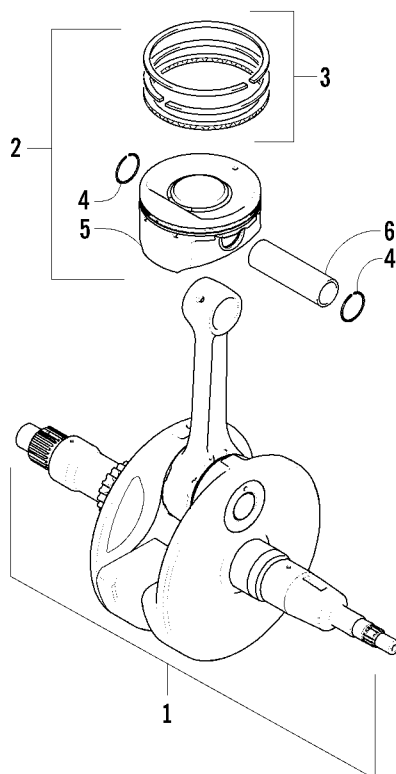
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0801-056</u>	1	Crankcase Assembly (inc. 2-16)	20	8468-655	3	Screw, Machine
2	8412-850	4	● Screw, Cap	21	8468-675	2	Screw, Machine
3	<u>0801-002</u>	2	● Plug	22	8412-860	1	Screw, Cap
4	<u>0832-003</u>	1	● Bearing	23	<u>0826-017</u>	1	Screw, Cap
5	<u>0832-005</u>	2	● Bearing	24	<u>0830-008</u>	2	Gasket
6	<u>0832-013</u>	1	● Bearing	25	<u>0826-019</u>	1	Screw, Cap
7	<u>0832-014</u>	2	● Bearing	26	<u>0826-018</u>	1	Screw, Cap
8	<u>0832-002</u>	1	● Bearing	27	8468-695	1	Screw, Machine
9	<u>0832-012</u>	1	● Bearing	28	<u>0801-006</u>	1	Housing, Secondary Shaft Bearing
10	<u>0832-015</u>	1	● Bearing	29	<u>0826-105</u>	3	Bolt
11	<u>0822-052</u>	1	● Seal, Countershaft	30	<u>0801-003</u>	1	Pipe, Breather
12	<u>0826-100</u>	2	● Screw, Cap	31	<u>0826-038</u>	1	Bolt, Breather Pipe
13	<u>0822-010</u>	2	● Retainer, Bearing	32	<u>0812-028</u>	2	Fitting, Oil Cooler
14	<u>0801-028</u>	1	● Pipe, Breather	33	<u>0812-025</u>	2	Bolt, Oil Cooler Fitting
15	<u>0812-008</u>	1	● Union, Oil Filter	34	<u>0801-005</u>	1	Stick, Oil Level
16	<u>0830-035</u>	1	● Seal, Driveshaft	35	<u>0830-010</u>	1	O-Ring, Oil Level Stick
17	<u>0829-002</u>	5	Pin, Dowel	36	8468-680	1	Screw, Machine
18	<u>0829-003</u>	1	Pin, Dowel	37	<u>0812-026</u>	4	Gasket
19	8468-645	4	Screw, Machine				



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0739-939

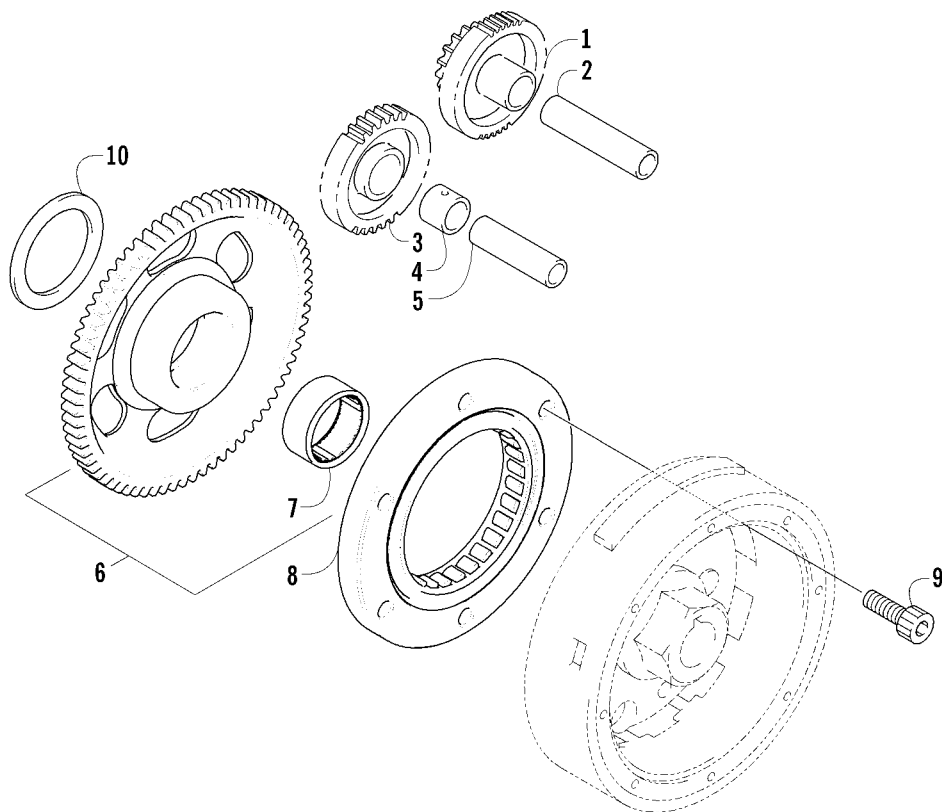
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0806-014</u>	1	Cover, V-Belt	13	3002-964	1	Clamp, Wire
2	<u>0806-015</u>	1	Damper, V-Belt Cover	14	<u>0806-021</u>	1	Cover, Magneto
3	<u>0806-016</u>	2	Damper, V-Belt Cover	15	<u>0830-014</u>	1	Gasket, Magneto Cover
4	<u>0806-017</u>	1	Plate, V-Belt Cover	16	<u>0806-022</u>	1	Plug
5	<u>0826-029</u>	7	Screw	17	<u>0830-015</u>	1	Gasket, Plug
6	<u>0829-002</u>	4	Pin, Dowel	18	8468-640	26	Screw, Machine
7	<u>0830-012</u>	1	Gasket, V-Belt Cover	19	8468-675	2	Screw, Machine
8	<u>0830-013</u>	1	Gasket	20	8468-625	2	Screw, Machine
9	8408-812	1	Screw, Cap	21	8468-645	14	Screw, Machine
10	<u>0806-013</u>	1	Cover, Clutch	22	8468-655	2	Screw, Machine
11	<u>0830-116</u>	1	Gasket, Clutch Cover	23	<u>0806-061</u>	1	Deflector, Air - Clutch Cover
12	<u>0806-048</u>	1	Plate, Air Intake	24	0623-914	3	Screw, Self-Tapping



CRANKSHAFT ASSEMBLY

0739-932

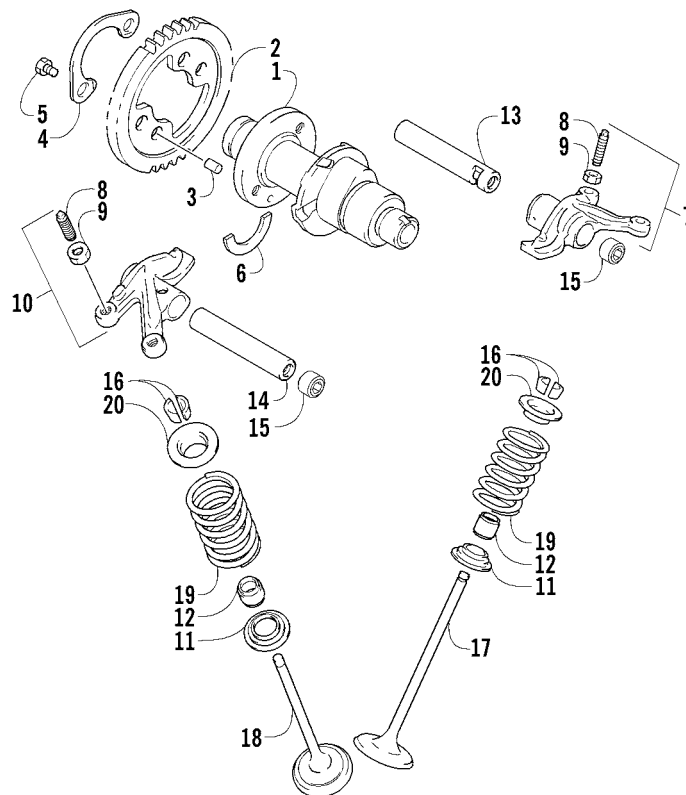
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0805-032</u>	1	Crankshaft Assembly	4	<u>0831-001</u>	2	● Circlip, Piston Pin
2	<u>0805-035</u>	1	Piston Set (inc. 3-6)	5	<u>0805-010</u>	1	● Piston
3	<u>0805-011</u>	1	● Ring, Piston - Set	6	<u>0805-012</u>	1	● Pin, Piston



STARTER CLUTCH ASSEMBLY

0739-940

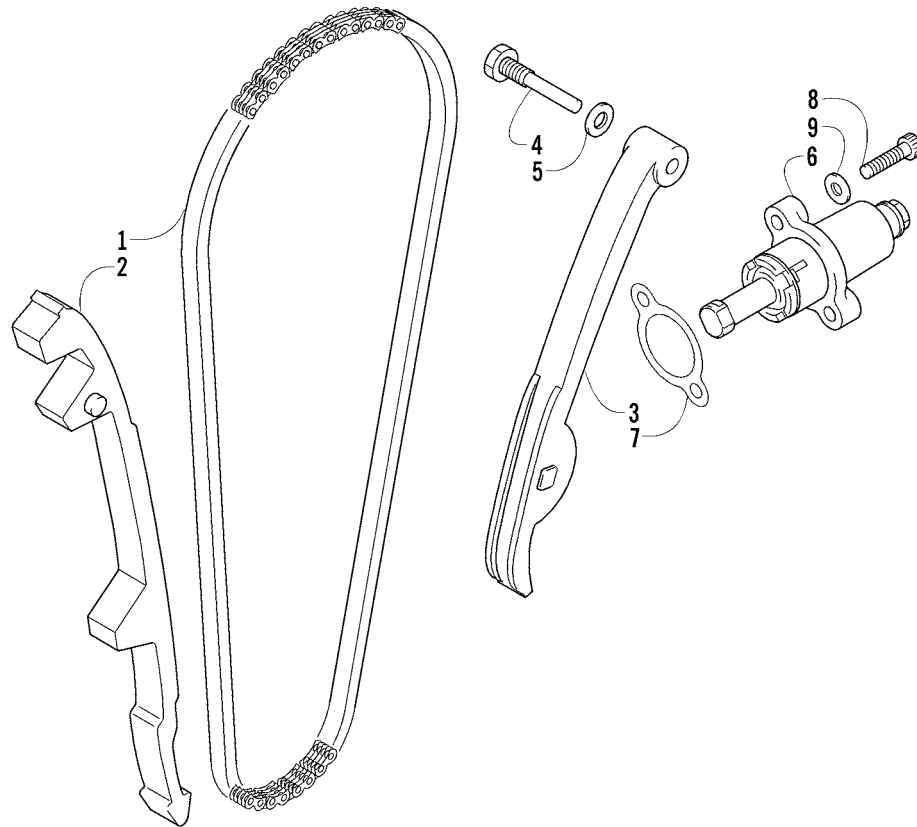
Ref. Part No. Qty. Description				Ref. Part No. Qty. Description			
1	<u>0815-001</u>	1	Gear, Starter Idler - No. 1	6	<u>0815-004</u>	1	Gear Starter Clutch (inc. 7)
2	<u>0829-004</u>	1	Pin	7	<u>0832-004</u>	1	● Bearing
3	<u>0815-002</u>	1	Gear, Starter Idler - No. 2	8	<u>0802-035</u>	1	Clutch, Starter
4	<u>0815-003</u>	1	Spacer, Starter Idler Gear No. 2	9	<u>0826-069</u>	6	Screw, Machine
5	<u>0829-005</u>	1	Pin	10	<u>0828-002</u>	1	Washer



CAMSHAFT/VALVE ASSEMBLY

0739-942

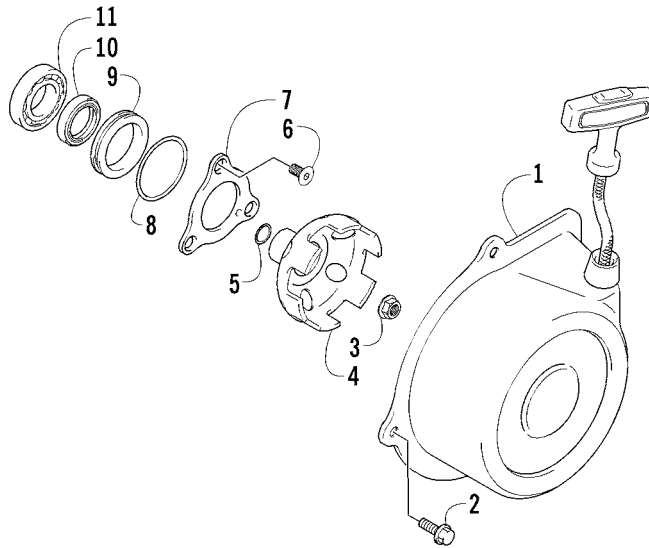
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0809-090	1	Camshaft	11	0809-006	4	Seat, Spring
2	0809-002	1	Sprocket	12	0830-016	4	Seal, Oil
3	0829-008	1	Pin	13	0809-007	1	Shaft, Rocker Arm
4	0828-004	1	Washer	14	0809-008	1	Shaft, Rocker Arm
5	0826-034	2	Bolt	15	0831-041	2	Plug, Shaft
6	0809-003	1	C-Ring	16	0809-014	8	Cotter, Valve
7	0809-004	1	Arm, Valve Rocker - Intake (inc. two No. 8-9)	17	0809-039	2	Valve, Intake
8	0809-033	4	● Screw	18	0809-040	2	Valve, Exhaust
9	0827-007	4	● Nut	19	0809-012	4	Spring, Valve
10	0809-005	1	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)	20	0809-013	4	Retainer, Spring



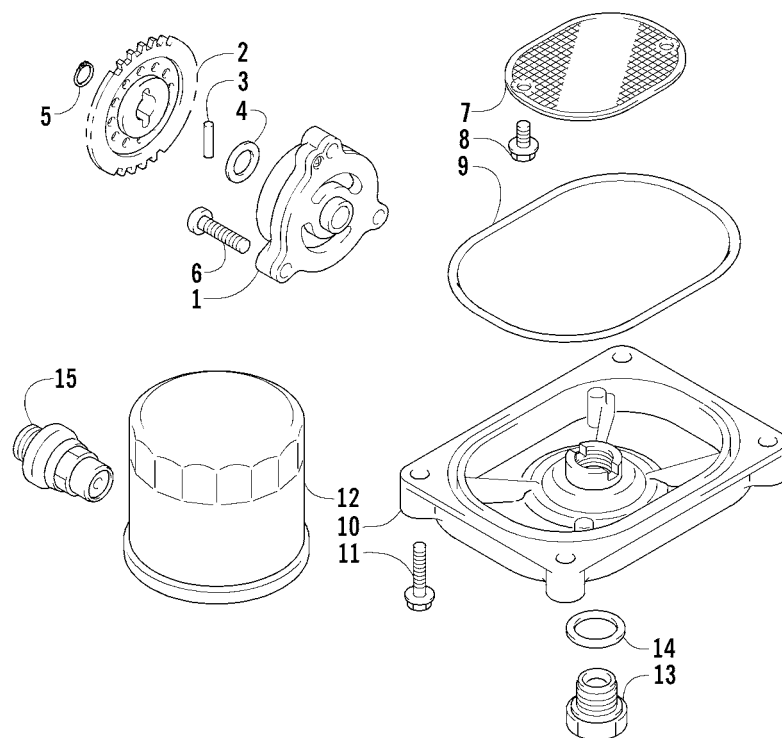
CAM CHAIN ASSEMBLY

0732-308

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0810-001</u>	1	Chain, Cam	6	<u>0810-004</u>	1	Adjuster, Tensioner - Assembly
2	<u>0810-002</u>	1	Guide, Chain	7	<u>0830-018</u>	1	Gasket
3	<u>0810-003</u>	1	Tensioner, Chain	8	8468-625	2	Screw, Machine
4	<u>0826-036</u>	1	Bolt	9	<u>0830-107</u>	2	Gasket
5	<u>0830-025</u>	1	Washer				



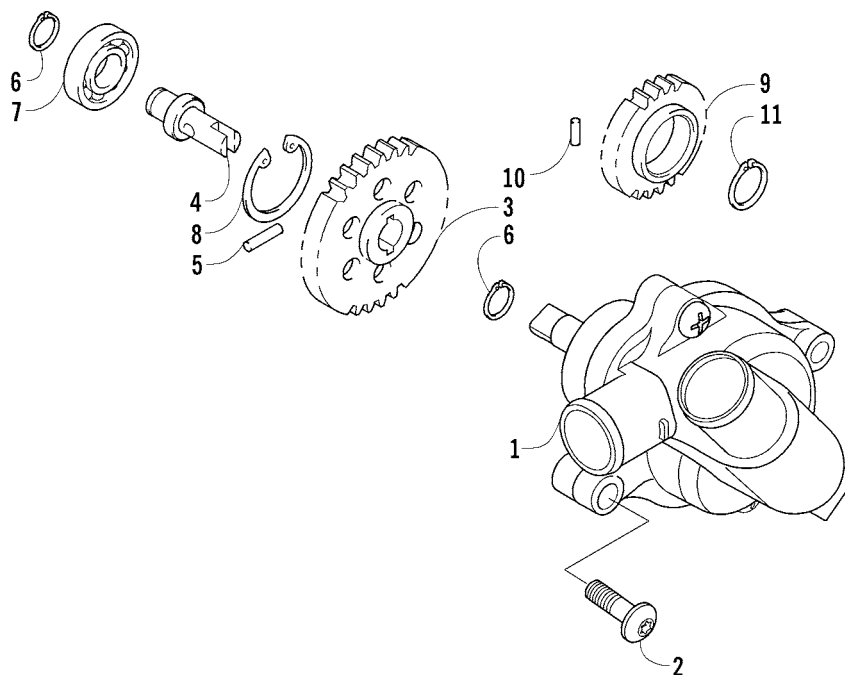
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0820-001</u>	1	Starter, Recoil - Assembly	7	<u>0805-008</u>	1	Retainer, Oil Seal
2	<u>0826-038</u>	4	Screw, Machine	8	<u>0830-021</u>	1	O-Ring
3	<u>0827-008</u>	1	Nut	9	<u>0820-007</u>	1	Spacer
4	<u>0820-006</u>	1	Cup, Starter	10	<u>0830-022</u>	1	Seal, Oil
5	<u>0830-108</u>	1	O-Ring	11	<u>0832-006</u>	1	Bearing
6	<u>0826-031</u>	3	Screw				



OIL FILTER/PUMP ASSEMBLY

0739-944

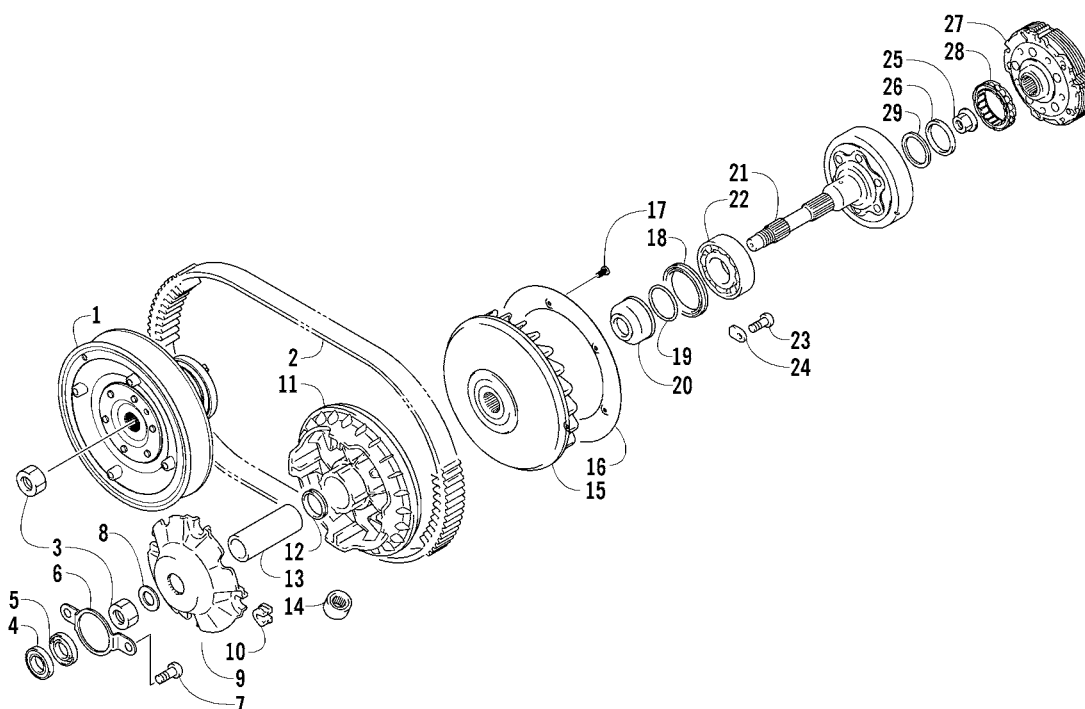
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0812-023</u>	1	Pump, Oil	9	<u>0830-023</u>	1	O-Ring
2	<u>0812-002</u>	1	Gear, Driven	10	<u>0812-004</u>	1	Cap, Oil Strainer
3	<u>0829-009</u>	1	Pin	11	8468-625	4	Screw, Machine
4	<u>0828-007</u>	1	Washer	12	<u>0812-005</u>	1	Filter, Oil
5	<u>0831-002</u>	1	Circlip	13	<u>0812-006</u>	1	Plug, Drain
6	<u>0826-039</u>	3	Screw, Cap	14	<u>0830-017</u>	1	Gasket, Drain Plug
7	<u>0812-003</u>	1	Strainer, Oil	15	<u>0812-007</u>	1	Valve, Oil Relief - Assembly
8	<u>0826-040</u>	2	Screw, Machine				



WATER PUMP ASSEMBLY

0739-945

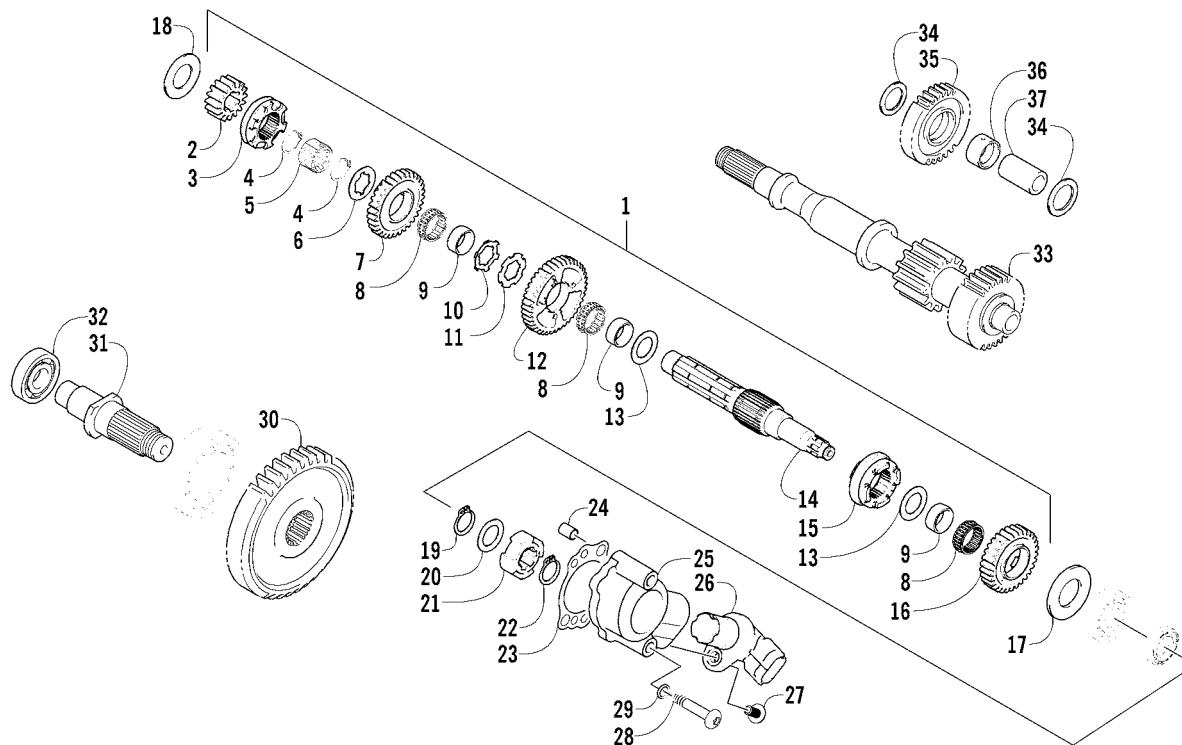
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0813-001</u>	1	Pump, Water - Assembly	7	<u>0832-008</u>	1	Bearing, Shaft
2	<u>8468-665</u>	2	Screw, Machine	8	<u>0831-004</u>	1	Circlip, Shaft Bearing
3	<u>0813-004</u>	1	Gear, Driven	9	<u>0811-003</u>	1	Gear, Water Pump Drive
4	<u>0813-005</u>	1	Shaft, Driven Gear	10	<u>0829-007</u>	1	Pin, Drive Gear
5	<u>0829-009</u>	1	Pin, Driven Gear	11	<u>0831-005</u>	1	Circlip, Drive Gear
6	<u>0831-002</u>	2	Circlip, Driven Gear				



TRANSMISSION ASSEMBLY

0739-946

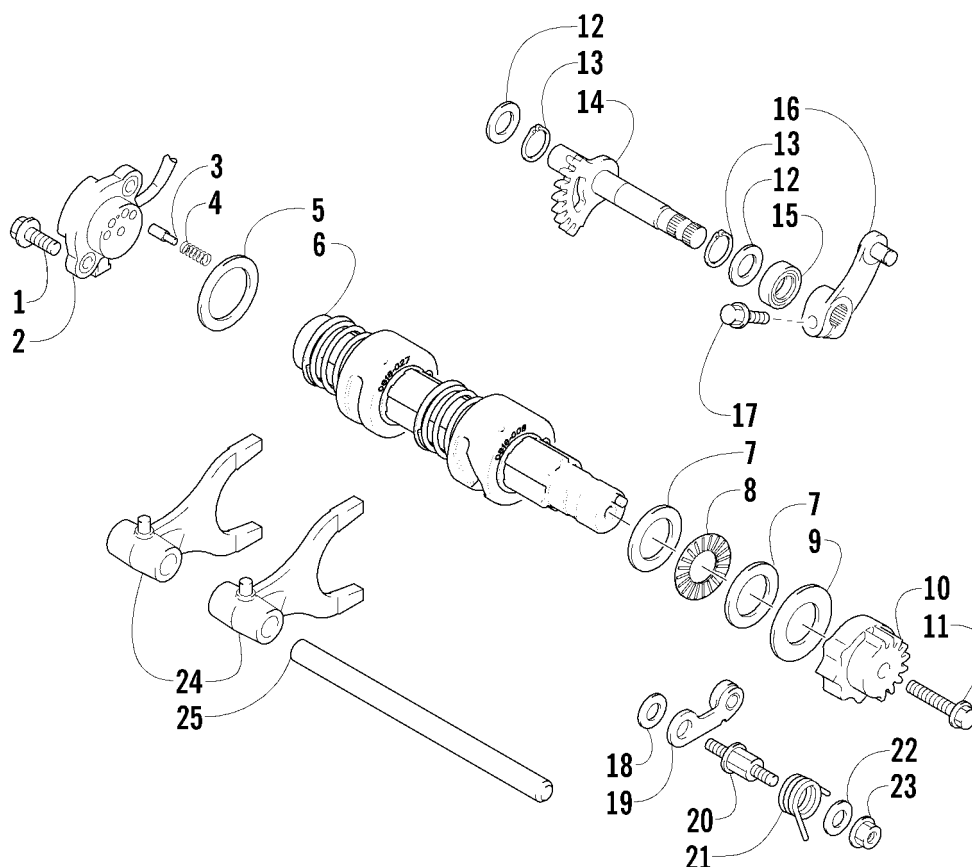
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0823-134</u>	1	Pulley, Driven - Assembly	16	<u>0823-131</u>	1	Shroud, Drive Face
2	<u>0823-013</u>	1	V-Belt	17	<u>0623-914</u>	6	Screw, Self-Tapping
3	<u>0827-010</u>	2	Nut	18	<u>0830-034</u>	1	Seal, Clutch Housing - Right
4	<u>0832-010</u>	1	Bearing	19	<u>0470-531</u>	1	O-Ring
5	<u>0823-016</u>	1	Seal, Clutch Housing - Right	20	<u>0823-015</u>	1	Spacer, Fixed Drive Face
6	<u>0823-020</u>	1	Retainer, Bearing	21	<u>0823-096</u>	1	Housing, Clutch
7	<u>0826-031</u>	2	Screw	22	<u>0832-009</u>	1	Bearing
8	<u>0822-046</u>	1	Shim	23	<u>0826-029</u>	2	Screw, Bearing Retainer
9	<u>0823-008</u>	1	Plate, Movable Drive Face	24	<u>0822-010</u>	2	Retainer, Bearing
10	<u>0823-010</u>	4	Damper, Movable Drive Face	25	<u>0827-011</u>	1	Nut
11	<u>0823-002</u>	1	Face, Movable Drive (inc. 12)	26	<u>0823-017</u>	1	Seal, Clutch Housing - Left
12	<u>0830-030</u>	2	● Seal, Movable Drive Face	27	<u>0823-098</u>	1	Clutch, Centrifugal - 6 Plate
13	<u>0823-133</u>	1	Spacer, Movable Drive Face	28	<u>0823-018</u>	1	Clutch, One Way
14	<u>0823-012</u>	8	Roller, Movable Drive Face	29	<u>0828-075</u>	1	Shim
15	<u>0823-001</u>	1	Face, Fixed Drive				



SECONDARY TRANSMISSION ASSEMBLY

0739-954

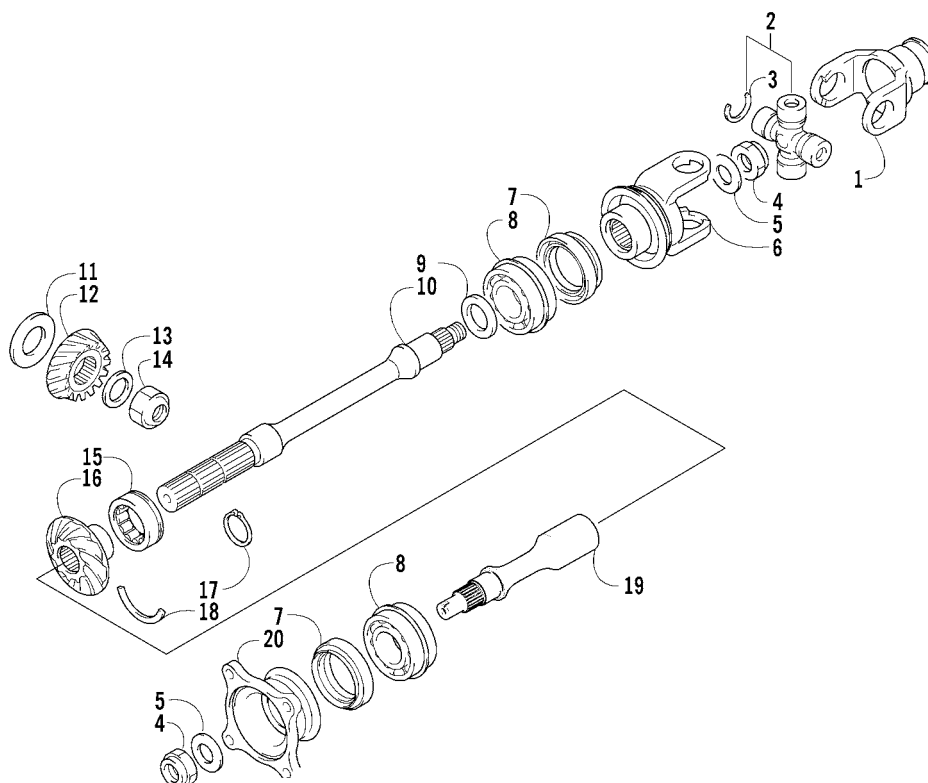
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0822-048	1	Countershaft Assembly (inc. 2-16)	20	0828-069	1	Washer, Thrust
2	0822-008	1	● Gear, Drive - No. 2	21	0822-050	1	Trigger, Speed Sensor
3	0822-014	1	● Dog, Reverse Driven Gear	22	0831-040	1	Ring, Retaining
4	0831-011	2	● Circlip	23	0830-092	1	Gasket
5	0822-045	1	● Spacer, Reverse Driven Gear	24	0829-023	2	Pin, Dowel
6	0828-008	1	● Washer	25	0822-049	1	Housing, Speed Sensor
7	0822-013	1	● Gear, Reverse Driven	26	0824-015	1	Sensor, Speed
8	0832-011	3	● Bearing	27	8468-620	1	Screw, Machine
9	0822-005	3	● Bushing	28	8468-645	2	Screw, Machine
10	0828-014	1	● Washer, Lock	29	0830-107	2	Seal, Fastener
11	0828-015	1	● Washer, Lock	30	0822-009	1	Gear, Driven - No. 2
12	0822-004	1	● Gear, Driven - Low	31	0822-037	1	Shaft, Output
13	0822-046	2	● Washer, Driven Gear	32	0832-014	1	Bearing
14	0822-003	1	● Countershaft	33	0822-001	1	Driveshaft
15	0822-007	1	● Dog, Sliding	34	0828-016	2	Washer, Reverse Idle Gear
16	0822-006	1	● Gear, Driven - High	35	0822-011	1	Gear, Reverse Idle
17	0828-011	1	Washer, Drive Gear - Left	36	0822-012	1	Bushing, Reverse Idle Gear
18	0828-010	1	Washer, Drive Gear - Right	37	0822-015	1	Shaft, Reverse Idle
19	0831-039	1	Ring, Retaining				



GEAR SHIFTING ASSEMBLY

0739-957

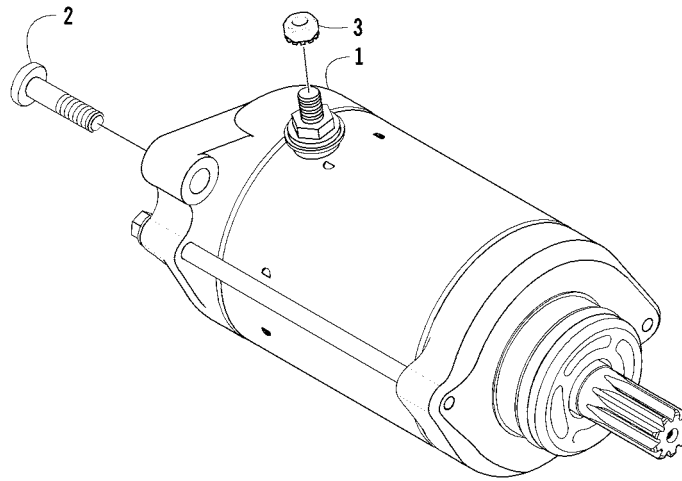
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8470-525	2	Screw, Machine	14	<u>0818-007</u>	1	Shaft, Sub-Gear Shift
2	<u>0818-049</u>	1	Base, Gear Shift - Assembly	15	<u>0830-044</u>	1	Seal, Sub-Gear Shift Shaft
3	<u>0818-013</u>	2	Contact	16	<u>0818-014</u>	1	Arm, Select
4	<u>0818-017</u>	2	Spring	17	8468-620	1	Screw, Machine
5	<u>0828-040</u>	1	Washer, Shift Shaft	18	<u>0828-038</u>	1	Washer, Cam Stopper
6	<u>0818-046</u>	1	Shaft, Gear Shift - Assembly	19	<u>0818-002</u>	1	Stopper, Cam
7	<u>0828-067</u>	2	Washer, Shift Shaft	20	<u>0818-004</u>	1	Support, Cam Stopper
8	<u>0832-034</u>	1	Bearing	21	<u>0818-028</u>	1	Spring, Cam Stopper
9	<u>0828-037</u>	1	Washer, Gear Shift Cam Plate	22	<u>0828-035</u>	1	Washer, Cam Stopper Spring
10	<u>0818-005</u>	1	Plate, Gear Shift Cam	23	8424-602	1	Nut, Cam Stopper Spring
11	<u>0826-006</u>	1	Bolt, Gear Shift Cam Plate	24	<u>0818-045</u>	2	Fork, Shift
12	<u>0828-036</u>	2	Washer, Sub-Gear Shift Shaft	25	<u>0818-006</u>	1	Shaft, Shift Fork
13	<u>0831-010</u>	2	Circlip, Sub-Gear Shift Shaft				



SECONDARY DRIVE ASSEMBLY

0739-956

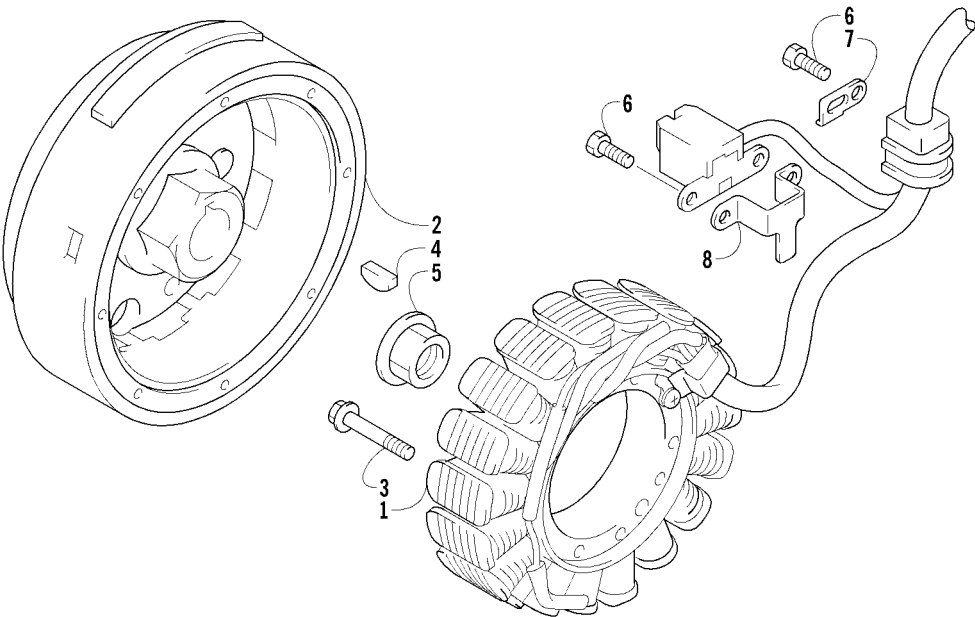
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0819-063	1	Yoke, Propeller Shaft Joint	11	0828-030	AR	Shim, 24 x 34 x 0.25 mm
2	1402-164	1	Joint, Universal - Set (inc. 3)		0828-031	AR	Shim, 24 x 34 x 0.30 mm
3	0423-450	4	● Circlip		0828-032	AR	Shim, 24 x 34 x 0.35 mm
4	0827-013	2	Nut, Rear Output Joint		0828-033	AR	Shim, 24 x 34 x 0.90 mm
5	0828-020	2	Washer, Rear Output Flange		0828-018	AR	Shim, 24 x 34 x 0.95 mm
6	0819-061	1	Yoke, Drive Output - Front		0828-062	AR	Shim, 24 x 34 x 1.00 mm
7	0830-043	2	Seal, Oil - Driven Shaft		0828-063	AR	Shim, 24 x 34 x 1.05 mm
8	0832-017	2	Bearing, Driven Shaft		0828-064	AR	Shim, 24 x 34 x 1.10 mm
9	0828-021	AR	Shim, 25 x 34 x 0.25 mm		0828-065	AR	Shim, 24 x 34 x 1.15 mm
	0828-022	AR	Shim, 25 x 34 x 0.30 mm	12	0819-001	1	Gear, Secondary Drive
	0828-023	AR	Shim, 25 x 34 x 0.70 mm	13	0828-019	1	Washer
	0828-024	AR	Shim, 25 x 34 x 0.90 mm	14	0827-012	1	Nut
	0828-025	AR	Shim, 25 x 34 x 0.95 mm	15	0832-016	1	Bearing, Driven Gear
	0828-026	AR	Shim, 25 x 34 x 1.00 mm	16	0819-002	1	Gear, Secondary Driven
	0828-027	AR	Shim, 25 x 34 x 1.05 mm	17	0831-008	1	Circlip, Secondary Driven Gear
	0828-028	AR	Shim, 25 x 34 x 1.10 mm	18	0819-011	1	Ring, Driven Bearing
	0828-029	AR	Shim, 25 x 34 x 1.15 mm	19	0819-053	1	Shaft, Secondary Driven - Rear
10	0819-003	1	Shaft, Secondary Driven - Front	20	0819-005	1	Flange, Output Joint - Rear



STARTER MOTOR ASSEMBLY

0739-958

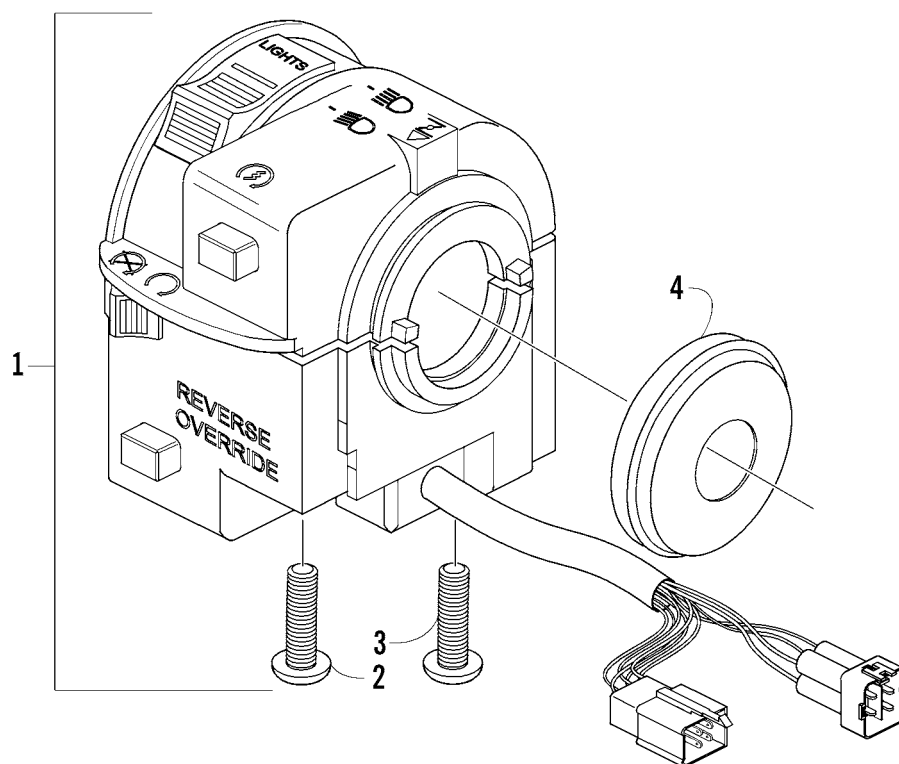
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0825-001	1	Motor, Starter - Assembly	3	0623-038	1	Nut w/Washer
2	8468-630	2	Screw, Machine				



MAGNETO ASSEMBLY

0737-780

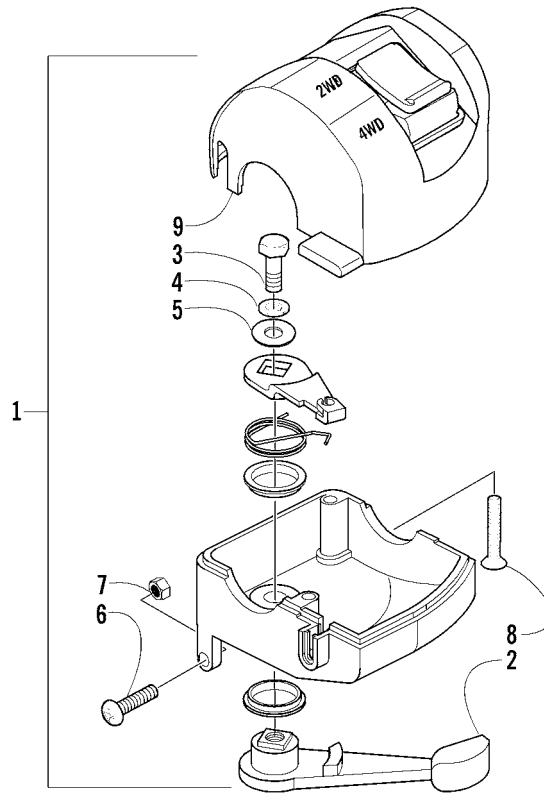
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0802-036	1	Rotor/Flywheel	5	0827-014	1	Nut
2	0802-037	1	Stator - Assembly	6	8470-510	3	Screw, Machine
3	0826-102	3	Screw, Machine	7	0802-015	1	Clamp - No. 1
4	0829-012	1	Key	8	0802-016	1	Clamp - No. 2



CONTROL SWITCH HOUSING ASSEMBLY

0739-980

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-014	1	Switch, Control - Assembly (inc. 2-3)	3	0409-028	1	● Screw
2	0409-027	1	● Screw	4	3409-019	1	Cover, Choke Lever



THROTTLE CASE ASSEMBLY

0738-414

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

RELATED ITEMS

2005 ATV H1 LE

(Model No. A2005IBS4BUSO)

0436-479	Articulating Spool Mount	2257-034	Manual, Operator's (E)
0436-548	Articulating Spool Receiver Mount Adapter	2257-172	Manuel d'utilisation (F)
0436-679	Bag, Fender - Black	0436-626	Rack Basket
0436-660	Bag, Rack, Front - Black	0436-647	Rack Extension, 4 in. (Front)
0436-480	Bar, Utility/Gun Rack	0436-646	Rack Extension, 8 in. (Rear)
0436-462	Bucket Holder	0436-629	Rapid Blind (Break-Up)
0436-464	Camp Stove Cradle	0436-630	Rapid Blind (Shadow Grass)
0436-454	Cargo Box	0436-628	Rapid Shack (Blue Ice)
0436-625	Cargo Box Quick-Release Kit	0436-511	Rod Holder - Adjustable
0436-459	Carryall (9 x 12)	0436-635	Snowplow Attachment Kit
0436-460	Carryall (11 x 17)	0436-228	Snowplow Blade, 50 in. - Straight
0436-652	Carryall (14 x 27)	0436-287	Snowplow Blade, 50 in. - One-Way
0436-476	Chain Saw Lock	0436-296	Snowplow Blade, 60 in. - Straight
0436-477	Cord Reel	0436-360	Snowplow Blade, 60 in. - One-Way
0436-664	Cover, Black and Green	0436-636	Snowplow, Push Frame
0436-668	Cover, Timber Camo	0436-471	Speedclamp, Double
0436-005	Engine Oil - 10W40	0436-624	Sprayer System
0436-003	Engine Oil - 5W30	0436-741	Sprayer Boom (120 in.)
0436-466	Fender Box	0436-465	Table, Expansion
0436-538	Gear Cradle	1402-028	Tire, Titan AT589 (25x8-12, Mud - Snow)
0436-007	Gear Lube (Diff) - 80W90	0402-563	Tire, Titan AT589 (25x10-12, Mud - Snow)
0436-501	Grease, High-Performance	0436-478	Tool Caddy
0436-627	Gun Scabbard Kit	0436-297	Tool Holder - Double
0436-706	Gun Scabbard Mount	0436-263	Tool Holder - Single
0436-505	Hand Guards - Black	0436-468	Tree Stand/Bow Case Holder
0436-352	Hand/Thumb Warmers	0436-655	Winch, 2500 lb
0436-639	Ice Auger Holder	0436-623	Windshield, Clear w/Black Accent
0436-463	Light Bar	0436-470	Workbase (8 in.)
2257-144	Manual, Illustrated Parts		

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

