

2007

ATV

Illustrated Parts Manual



700 Diesel

Model Number A2007TBT4DUSR (Red)
Model Number A2007TBT4DUSG (Green)
Model Number A2007TBT4DOSG (Green - International)

MORE TO GO ON.™

ARCTIC CAT®

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2007 ATV 700 Diesel

Red (Model No. A2007TBT4DUSR)

Green (Model No. A2007TBT4DUSG)

Green - International (Model No. A2007TBT4DOSG)

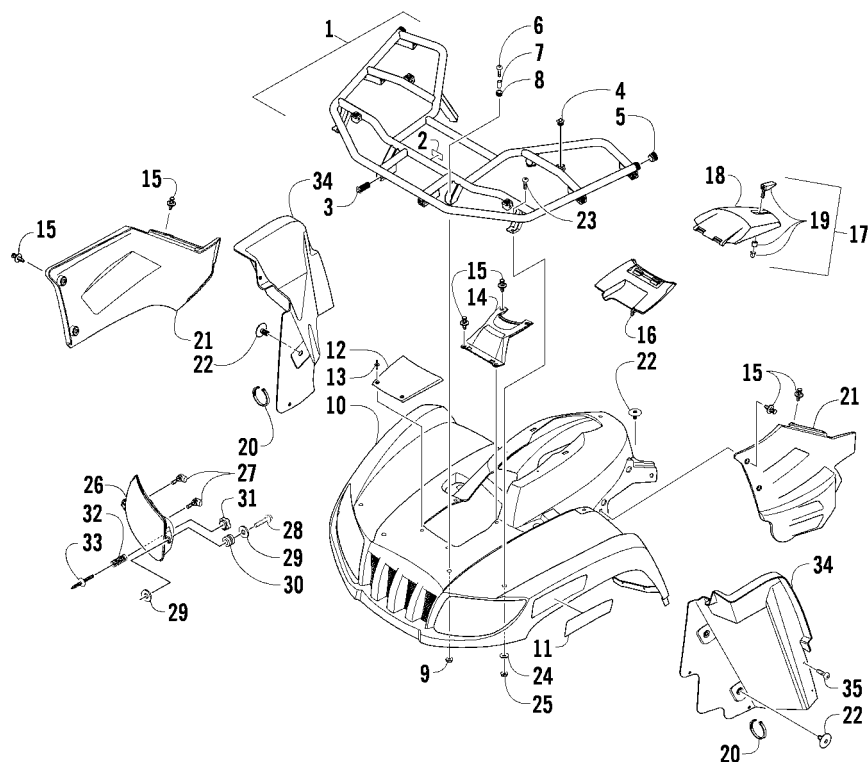
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■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2007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

2006 Arctic Cat Inc.

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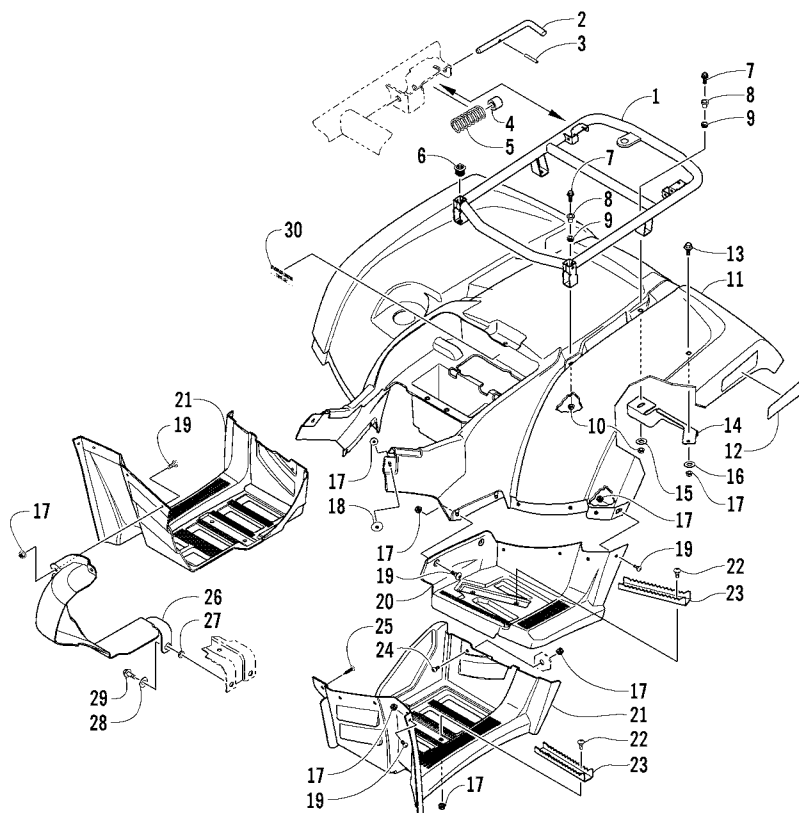
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FRONT BODY PANEL ASSEMBLY

0741-960

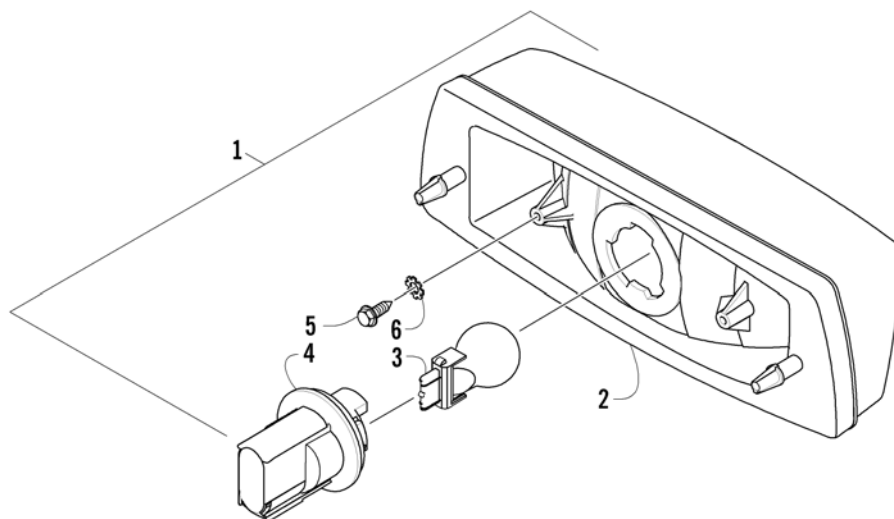
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-883	1	Rack - Front - Assembly (inc. 2-5)	19	1406-599	1	● Latch, Storage Box
2	0411-576	1	● Decal, Warning - Front Rack Load	20	0123-788	AR	Cable Tie - 7.5 in.
3	2406-014	6	● Bushing, Rack	21	<u>2406-404</u>	1	Panel, Side - Lower - Right
4	0441-592	4	● Bushing, Rack		<u>2406-405</u>	1	Panel, Side - Lower - Left
5	1441-049	2	● Plug, Rack	22	0423-101	5	Screw, Body
6	8410-830	4	Screw, Machine	23	0423-654	2	Screw, Shoulder
7	<u>0423-669</u>	4	Spacer	24	8050-222	2	Washer
8	0423-465	4	Grommet	25	0423-540	2	Nut, Lock
9	8432-802	4	Nut, Lock	26	0509-034	1	Headlight Assembly - Right (inc. 27)
10	0518-072	1	Panel, Fender - Front (inc. 11)		0509-035	1	Headlight Assembly - Left (inc. 27)
	0518-074	1	Panel, Fender - Front (Green) (inc. 11)	27	0409-055	4	● Bulb, Headlight
11	0411-818	1	● Decal, Reflector - Front - Right	28	0623-785	4	Screw, Self-Tapping
	0411-819	1	● Decal, Reflector - Front - Left	29	8050-217	8	Washer
12	1406-358	1	Cover, Access	30	0423-447	4	Grommet
13	0423-535	2	Rivet, Reinstallable	31	0423-513	2	Knob, Adjuster
14	1406-484	1	Cover, Steering Post	32	0423-522	2	Spring, Adjuster
15	0623-362	12	Rivet, Reinstallable	33	0423-514	2	Stud, Adjuster - Headlight
16	0470-513	1	Cover, Storage Box	34	<u>2506-434</u>	1	Panel, Splash - Right
17	<u>2506-234</u>	1	Lid, Storage Box w/Latch (inc. 18-19)		<u>2506-383</u>	1	Panel, Splash - Left
18	0470-514	1	● Lid, Storage Box	35	0423-342	2	Screw, Self-Tapping



REAR BODY PANEL ASSEMBLY

0742-246

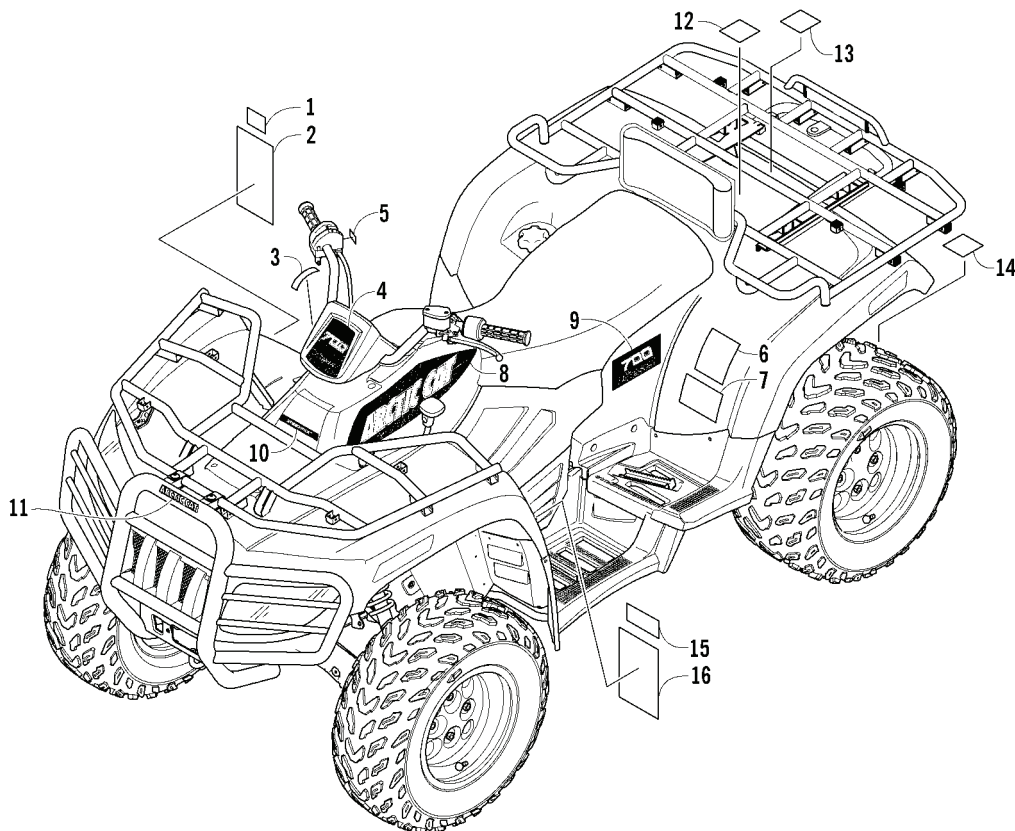
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-221</u>	1	Rack, Rear - Assembly (inc. 2-6)	16	8050-222	2	Washer
2	<u>0541-504</u>	2	● Pin - Assembly (inc. 3)	17	0423-540	40	Nut, Lock
3	0423-635	2	●● Pin, Roll	18	0423-101	2	Screw, Body
4	<u>0423-677</u>	2	● Collar	19	0423-419	24	Screw, Machine
5	0423-636	2	● Spring	20	2406-042	1	Footwell, Rear - Right
6	0441-592	4	● Bushing, Rack		2406-043	1	Footwell, Rear - Left
7	<u>8410-835</u>	4	Screw, Machine	21	<u>2506-193</u>	1	Footwell - Right
8	<u>0423-669</u>	4	Spacer		<u>2406-471</u>	1	Footwell - Left
9	0423-465	4	Grommet	22	0423-355	8	Screw, Shoulder
10	8432-802	4	Nut, Lock	23	1506-125	4	Footpeg
11	<u>2506-352</u>	1	Panel, Fender - Red (inc. 12)	24	8477-620	2	Screw, Machine
	<u>2506-354</u>	1	Panel, Fender - Green (Green) (inc. 12)	25	0423-719	2	Screw, Self-Tapping
12	0411-820	1	● Decal, Reflector - Right	26	<u>2406-531</u>	1	Panel, Splash
	0411-821	1	● Decal, Reflector - Left	27	<u>0405-261</u>	1	Bushing, Splash Panel
13	0423-654	2	Screw, Shoulder	28	8050-282	1	Washer
14	2506-092	1	Bracket, Rear Fender - Right	29	8409-020	1	Screw, Cap
	2506-093	1	Bracket, Rear Fender - Left	30	<u>1411-508</u>	1	Decal, Storage
15	0423-087	2	Washer				



TAILLIGHT ASSEMBLY

0739-667

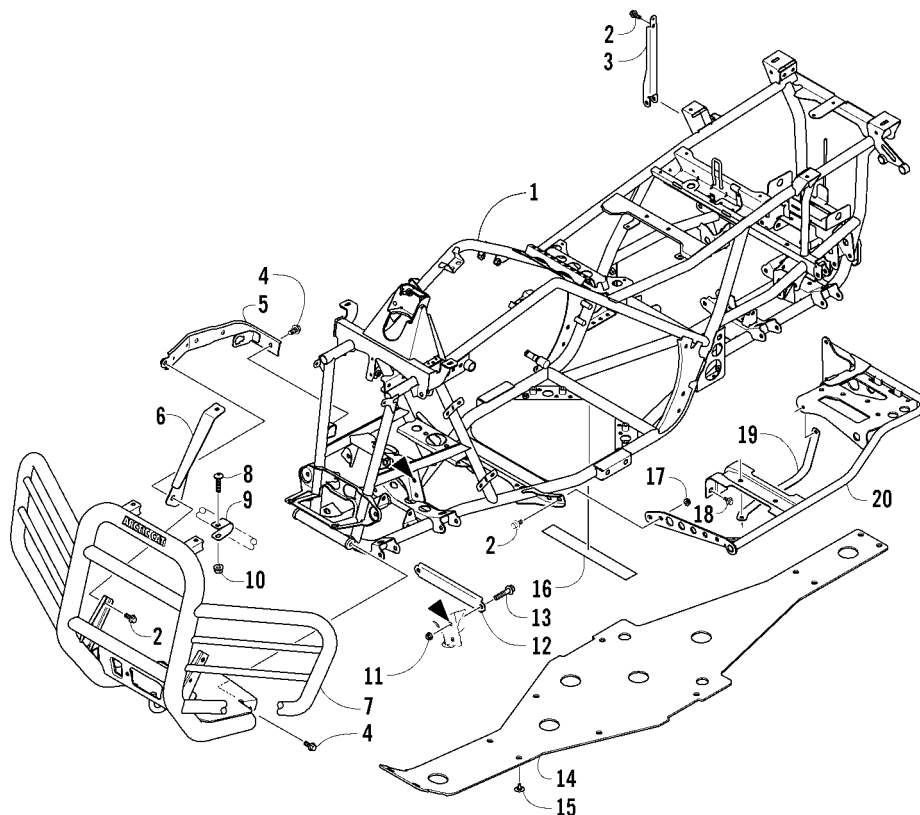
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-022	1	Taillight Assembly (inc. 2-4)	4	0409-057	1	● Socket, Taillight
2	0509-025	1	● Housing, Taillight	5	0623-301	2	Screw, Self-Tapping
3	0409-056	1	● Bulb, Taillight	6	8053-212	2	Washer, Lock - External Tooth



DECALS

0741-995 *Included on Front/Rear Fender Panels

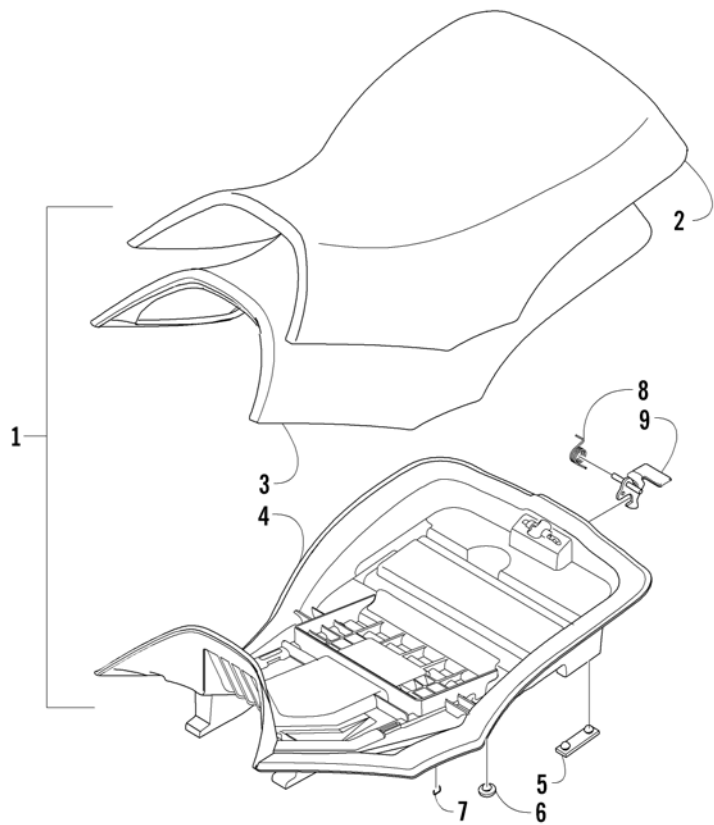
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1411-490</u>	1	Decal, Warning - Reverse/Pre-Ride*	9	<u>1411-645</u>	2	Decal, Graphic - Lower
2	0411-894	1	Decal, Warning - Hill*		<u>1411-647</u>	2	Decal, Graphic - Lower (Green)
3	0411-426	1	Decal, Warning - Clutch Cover	10	1411-050	1	Decal, Speedrack
4	<u>1411-644</u>	1	Decal, Instrument Pod	11	0411-501	1	Decal, Front Bumper - "Arctic Cat"
	<u>1411-646</u>	1	Decal, Instrument Pod (Green)	12	1411-269	1	Decal, Warning - Passenger*
5	0411-966	1	Decal, Warning - Differential Lock	13	1411-251	1	Decal, Warning - Seat/Passenger*
6	0411-833	1	Decal, Passenger*	14	1411-077	1	Decal, Warning - Towing
7	0411-832	1	Decal, Warning - Tire Pressure*	15	<u>1411-574</u>	1	Decal, Warning - Off-Road Only*
8	<u>1411-356</u>	1	Decal, Side - Upper Right	16	0411-753	1	Decal, Warning - Age/General
	<u>1411-357</u>	1	Decal, Side - Upper Left				
	<u>1411-358</u>	1	Decal, Side - Upper Right (Green)				
	<u>1411-359</u>	1	Decal, Side - Upper Left (Green)				



FRAME AND RELATED PARTS

0741-977

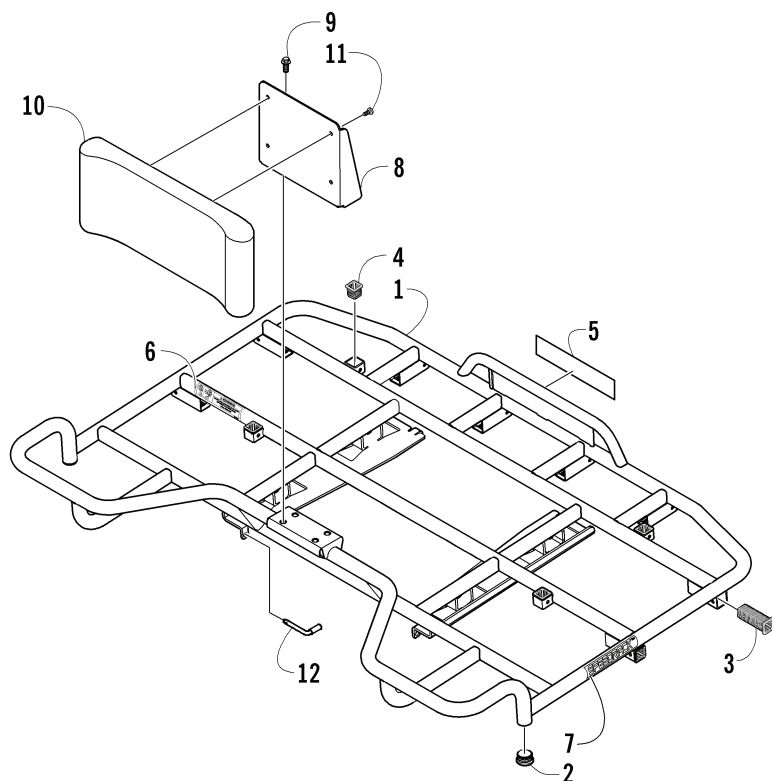
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-006</u>	1	Frame, Main	11	8428-002	2	Nut, Lock
2	8408-816	11	Screw, Cap	12	1506-429	1	Brace, A-Arm
3	1506-548	1	Channel, Shock Support	13	8409-025	2	Screw, Cap
4	8409-020	4	Screw, Cap	14	2406-253	1	Panel, Belly
5	<u>2506-283</u>	1	Channel, Bumper Mounting - Right	15	0423-101	17	Screw, Body
	<u>2506-285</u>	1	Channel, Bumper Mounting - Left	16	0406-289	2	Pad, Frame
6	1506-562	1	Bracket, Mounting - Bumper - Right	17	8424-802	4	Nut, Flange
	1506-563	1	Bracket, Mounting - Bumper - Left	18	8409-016	3	Screw, Cap
7	<u>2506-420</u>	1	Bumper	19	2406-216	1	Strap, Footrest - Right
8	8468-845	2	Screw, Machine		2406-217	1	Strap, Footrest - Left
9	1506-667	2	Strap, Bumper Support	20	1506-848	1	Footrest - Right
10	8424-805	2	Nut, Lock		1506-849	1	Footrest - Left



SEAT ASSEMBLY

0739-690

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-937	1	Seat Assembly (inc. 2-9)	6	0406-877	4	● ● Bumper, Seat - Front
2	1506-209	1	● Cover, Seat	7	0624-528	AR	● Staple
3	1506-208	1	● Foam, Seat	8	1406-592	1	● Spring, Seat Latch
4	2406-144	1	● Base, Seat - Assembly (inc. 5-6)	9	1506-156	1	● Latch, Seat
5	0406-879	2	● ● Bumper, Seat - Rear				

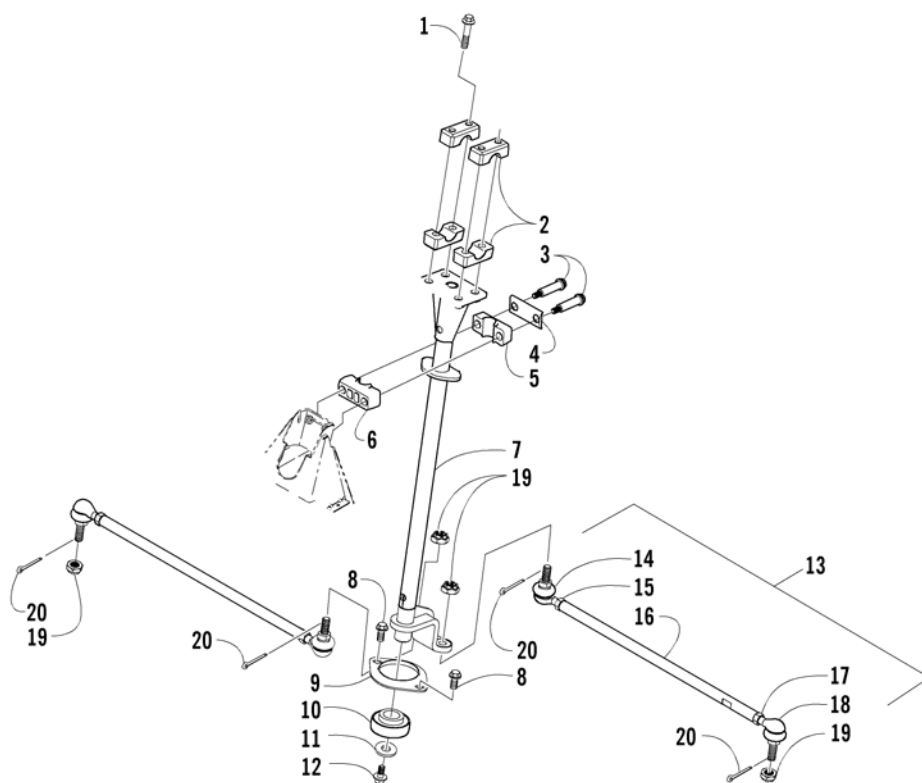


REAR RACK AND BACKREST ASSEMBLY

(Rear Rack Kit p/n 0436-798)

0742-248 *Not Illustrated

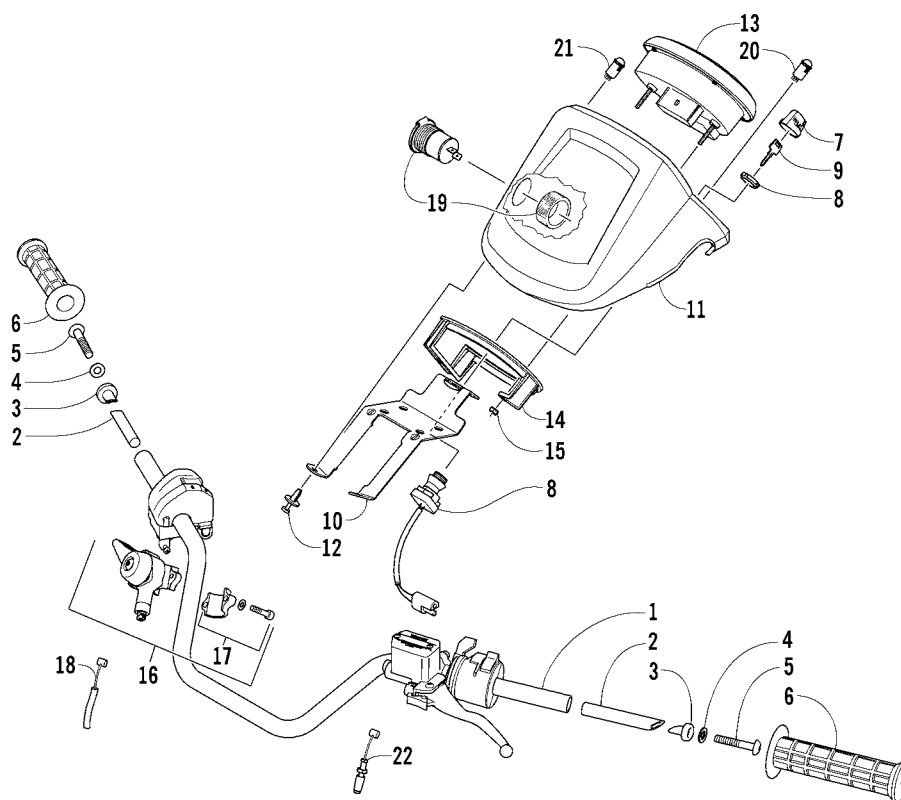
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0541-438	1	Rack, Rear - Assembly (inc. 2-7)	8	0541-486	1	Bracket, Backrest
2	1441-049	2	● Plug	9	8408-816	4	Screw, Cap
3	2406-014	8	● Bushing	10	0506-686	1	Backrest
4	0441-592	4	● Bushing	11	8476-620	4	Screw, Machine
5	0411-814	1	● Decal, "Arctic Cat"	12	0541-447	2	Pin
6	0411-648	1	● Decal, Warning - Rear Rack Load	*	0453-349	1	Instructions
7	0411-965	2	● Decal, Speedrack				



STEERING POST ASSEMBLY

0739-774

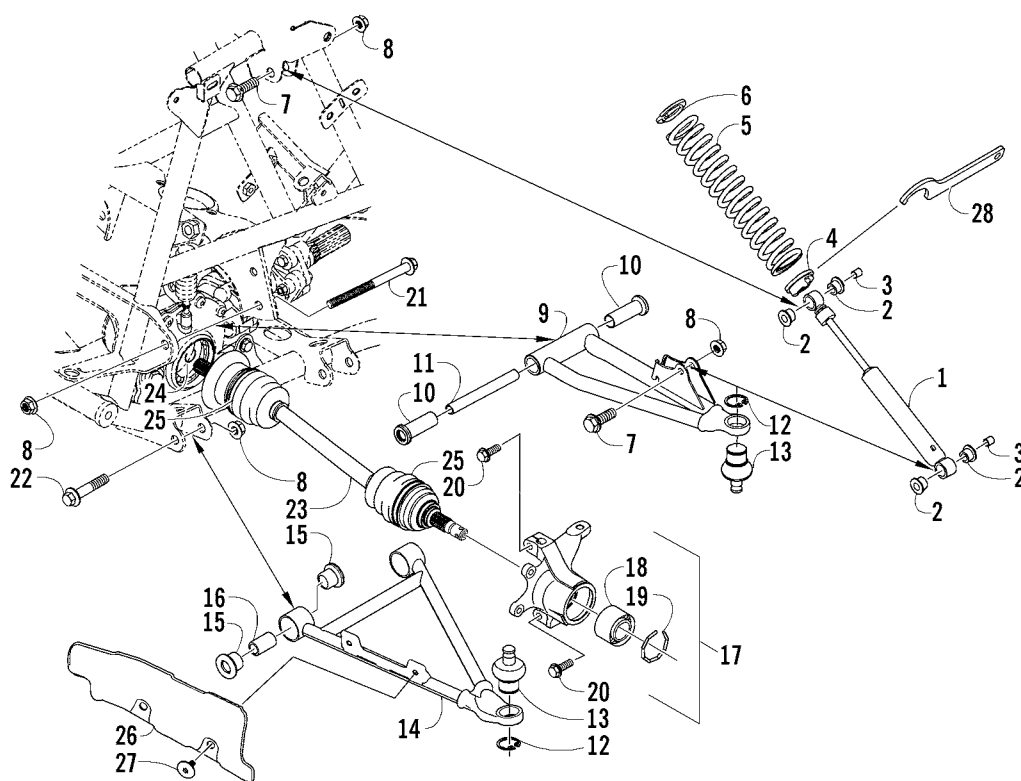
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	11	0423-073	1	Washer
2	0405-035	4	Cap, Steering Adjuster	12	8409-020	1	Screw, Cap
3	0423-505	2	Screw, Shoulder	13	0505-408	2	Tie Rod - Assembly (inc. 14-18)
4	0405-166	1	Cap, Housing	14	0405-083	2	● Ball Joint, Tie Rod - Left-Hand Thread
5	0405-138	1	Housing, Lower	15	0423-013	2	● Nut - Left-Hand Thread
6	0405-139	1	Housing, Upper	16	0405-107	2	● Tie Rod
7	0505-451	1	Post, Steering	17	8420-002	2	● Nut - Right-Hand Thread
8	8408-816	2	Screw, Cap	18	0405-082	2	● Ball Joint, Tie Rod - Right-Hand Thread
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

0742-256

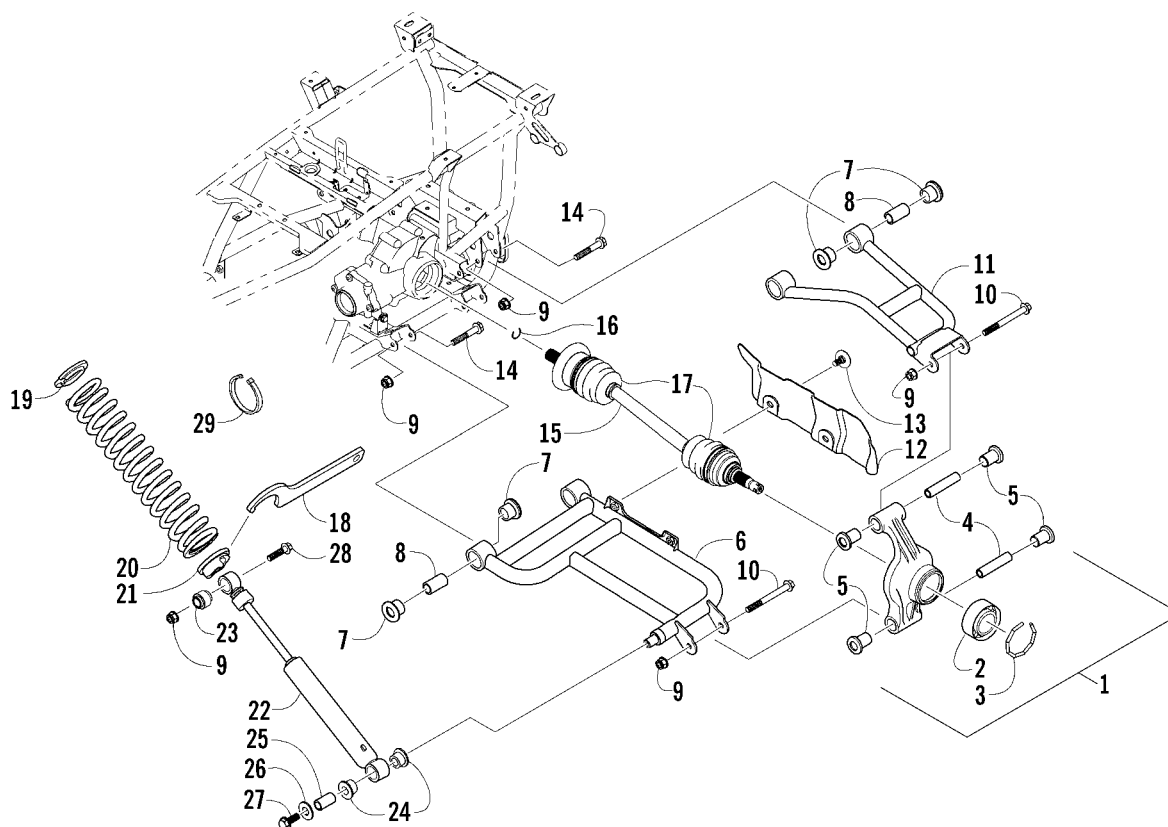
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0505-476</u>	1	Tube, Handlebar	11	<u>0505-495</u>	1	Instrument Pod
2	0405-218	2	Plug, Handlebar		<u>0505-496</u>	1	Instrument Pod (Green)
3	0405-149	2	End Cap, Handlebar	12	0423-535	2	Rivet, Reinstallable
4	8050-247	2	Washer	13	<u>0520-024</u>	1	Gauge, LCD
5	8477-845	2	Screw, Machine	14	0420-065	1	Clamp, Plastic
6	0405-147	2	Grip, Handlebar	15	0423-493	2	Nut w/Washer
7	0409-013	1	Cover, Key	16	0502-527	1	Control, Differential Lock (inc. 17)
8	0430-036	1	Switch, Ignition - Assembly (inc. 9)	17	0502-613	1	● Clamp, Differential Lock Control - Kit
9	3409-007	1	● Key, Ignition - Blank (C Series)	18	0487-050	1	Cable, Differential Lock
	3409-011	1	● Key, Ignition - Blank (D Series)	19	0641-897	1	Outlet, Accessory - 12V
	3409-012	1	● Key, Ignition - Blank (E Series)	20	<u>0420-074</u>	1	Light, Indicator - Glow Plug
	3409-013	1	● Key, Ignition - Blank (F Series)	21	<u>0420-075</u>	1	Light, Indicator - Battery
10	1506-578	1	Bracket, Mounting - Instrument Pod	22	<u>0487-044</u>	1	Cable, Throttle



FRONT SUSPENSION ASSEMBLY

0742-247

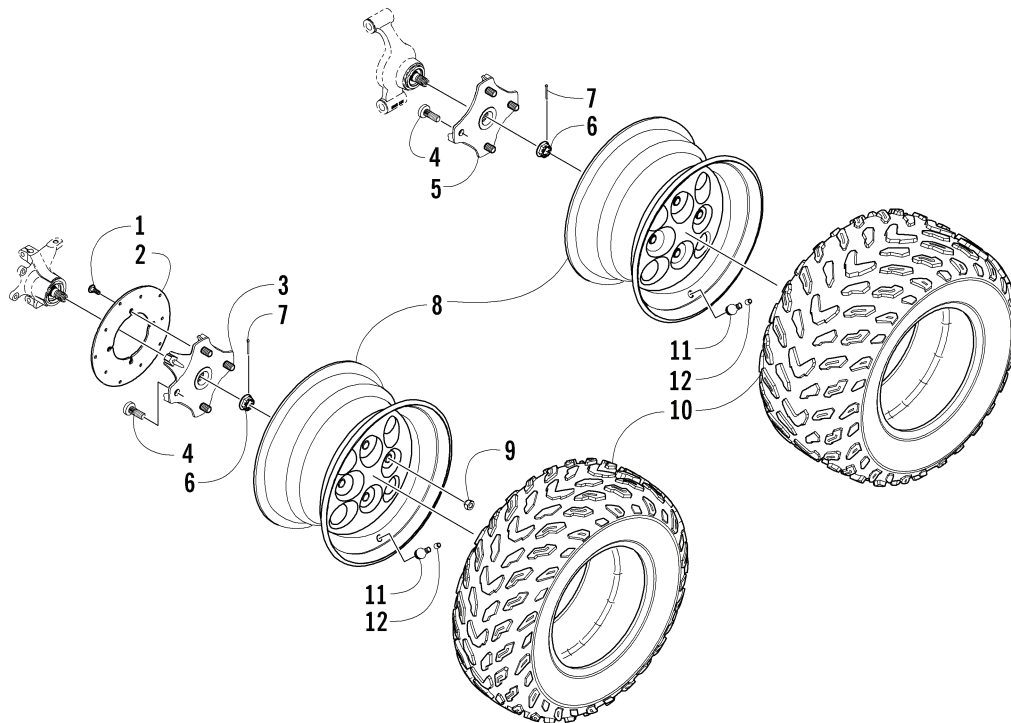
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0403-137	2	Shock Absorber - Front (inc. 2-3)	15	0403-115	8	● Bushing
2	0604-310	8	● Bushing, Shock Absorber	16	0403-114	4	● Collar
3	0403-028	4	● Sleeve, Shock	17	0505-460	1	Knuckle - Assembly - Right (inc. 18-19)
4	0403-102	2	Cam, Spring Adjuster		0505-461	1	Knuckle - Assembly - Left (inc. 18-19)
5	0503-318	2	Spring, Shock Absorber - Platinum	18	1402-027	2	● Bearing, Wheel Hub
	0503-317	2	Spring, Shock Absorber - Black (Green)	19	0423-423	2	● Ring, Retaining
6	1603-889	2	Retainer, Spring	20	8409-030	4	Screw, Cap
7	8409-040	4	Screw, Cap	21	0423-334	2	Screw, Cap
8	8428-002	10	Nut, Lock	22	8409-075	4	Screw, Cap
9	0503-272	1	A-Arm, Upper Right - Platinum (inc. 10-13)	23	0502-813	1	Axle, Drive - Front - Left (inc. 24-25)
	0503-273	1	A-Arm, Upper Left - Platinum (inc. 10-13)		0502-812	1	Axle, Drive - Front - Right (inc. 24-25)
	0503-196	1	A-Arm, Upper Right - Black (inc. 10-13) (Green)	24	1441-109	2	● Clip, Retaining
	0503-197	1	A-Arm, Upper Left - Black (inc. 10-13) (Green)	25	0436-276	2	● Repair Kit, Boot
10	0403-081	4	● Bushing	26	0441-752	1	Guard, Boot - Right - Red
11	0403-080	2	● Collar		0441-753	1	Guard, Boot - Left - Red
12	0423-009	4	● Clip, Ball Joint		1441-002	1	Guard, Boot - Right - Green (Green)
13	0405-115	4	● Ball Joint - Front		1441-003	1	Guard, Boot - Left - Green (Green)
14	<u>0503-342</u>	1	A-Arm, Lower Right - Platinum (inc. 12-13 and 15-16)	27	0423-545	4	Screw, Body
	<u>0503-343</u>	1	A-Arm, Lower Left - Platinum (inc. 12-13 and 15-16)	28	0441-587	1	Wrench, Spanner
	<u>0503-334</u>	1	A-Arm, Lower Right - Black (inc. 12-13 and 15-16) (Green)				
	<u>0503-335</u>	1	A-Arm, Lower Left - Black (inc. 12-13 and 15-16) (Green)				



REAR SUSPENSION ASSEMBLY

0741-439

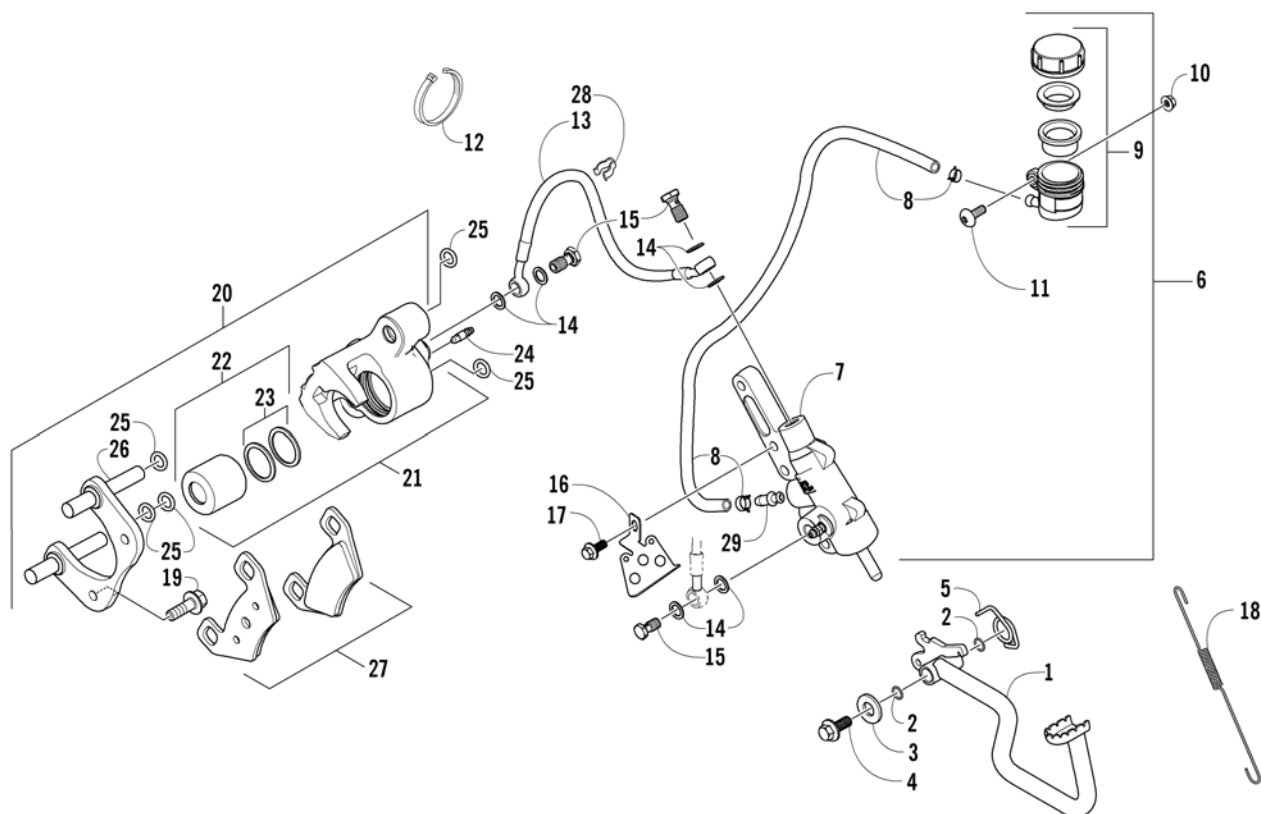
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-372	1	Knuckle, Right Rear - Assembly (inc. 2-5)	12	0441-754	1	Guard, Boot - Right - Red
	0504-373	1	Knuckle, Left Rear - Assembly (inc. 2-5)		0441-755	1	Guard, Boot - Left - Red
2	1402-027	2	● Bearing, Wheel Hub		1441-004	1	Guard, Boot - Right - Green (Green)
3	0423-423	2	● Ring, Retaining		1441-005	1	Guard, Boot - Left - Green (Green)
4	0403-038	4	● Collar, Suspension Bushing	13	0423-545	4	Screw, Body
5	0403-032	8	● Bushing, Suspension	14	8409-075	8	Screw, Cap
6	0504-440	1	A-Arm, Rear - Lower Right - Platinum (inc. 7-8)	15	0502-811	2	Axle, Drive - Rear (inc. 16-17)
	0504-441	1	A-Arm, Rear - Lower Left - Platinum (inc. 7-8)	16	0441-893	2	● Clip, Retaining
	0504-438	1	A-Arm, Rear - Lower Right - Black (inc. 7-8) (Green)	17	0436-276	2	● Repair Kit, Boot
	0504-439	1	A-Arm, Rear - Lower Left - Black (inc. 7-8) (Green)	18	0441-587	1	Wrench, Spanner
7	0403-115	16	● Bushing	19	1603-889	2	Retainer, Spring
8	0403-114	8	● Collar	20	0404-145	2	Spring, Suspension - Platinum
9	8428-002	14	Nut, Lock		0404-144	2	Spring, Suspension - Black (Green)
10	8409-000	4	Screw, Cap	21	0404-057	2	Cam, Spring Adjuster
11	0504-476	1	A-Arm, Rear - Upper Right - Platinum (inc. 7-8)	22	0404-147	2	Shock Absorber - Rear (inc. 23-25)
	0504-477	1	A-Arm, Rear - Upper Left - Platinum (inc. 7-8)	23	0403-182	2	● Bushing, Double-Bonded
	0504-470	1	A-Arm, Rear - Upper Right - Black (inc. 7-8) (Green)	24	0603-955	4	● Bushing, Shock Absorber
	0504-471	1	A-Arm, Rear - Upper Left - Black (inc. 7-8) (Green)	25	1603-219	2	● Sleeve, Shock Absorber
				26	0423-087	2	Washer
				27	8408-820	2	Screw, Cap
				28	8409-050	2	Screw, Cap
				29	0123-788	2	Cable Tie



WHEEL AND TIRE ASSEMBLY

0741-559

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-557	12	Screw, Shoulder w/Loctite	9	0423-408	16	Nut, Mounting - Wheel
2	1402-225	3	Disc, Brake	10	<u>1402-548</u>	2	Tire - Front
3	0502-599	2	Hub, Wheel - Front (inc. 4)		<u>1402-549</u>	2	Tire - Rear
4	0402-974	16	● Stud, Wheel Hub	11	0402-064	4	Stem, Valve (inc. 12)
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)	12	0402-140	4	● Cap, Valve Stem
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)				
6	0423-607	4	Nut, Castle				
7	0423-407	4	Pin, Cotter				
8	1402-127	2	Wheel - Front - Platinum				
	1402-115	2	Wheel - Rear - Platinum				
	0402-856	2	Wheel - Front - Gray (Green)				
	0402-858	2	Wheel - Rear - Gray (Green)				

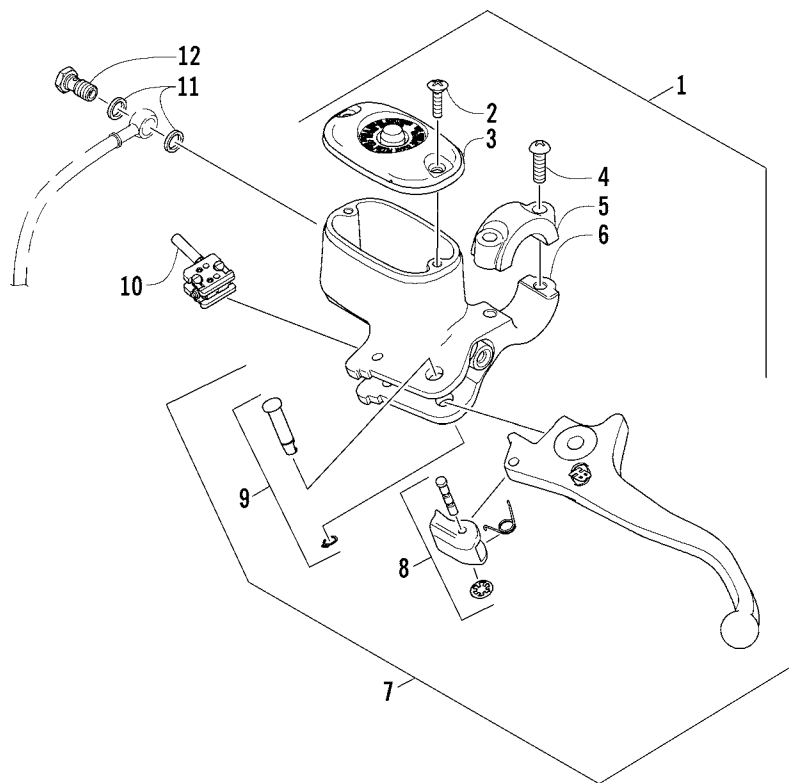


AUXILIARY BRAKE ASSEMBLY

(Fully Bled Master Cylinder Replacement Kit p/n 1502-175)

0741-314R *Not a Service Part

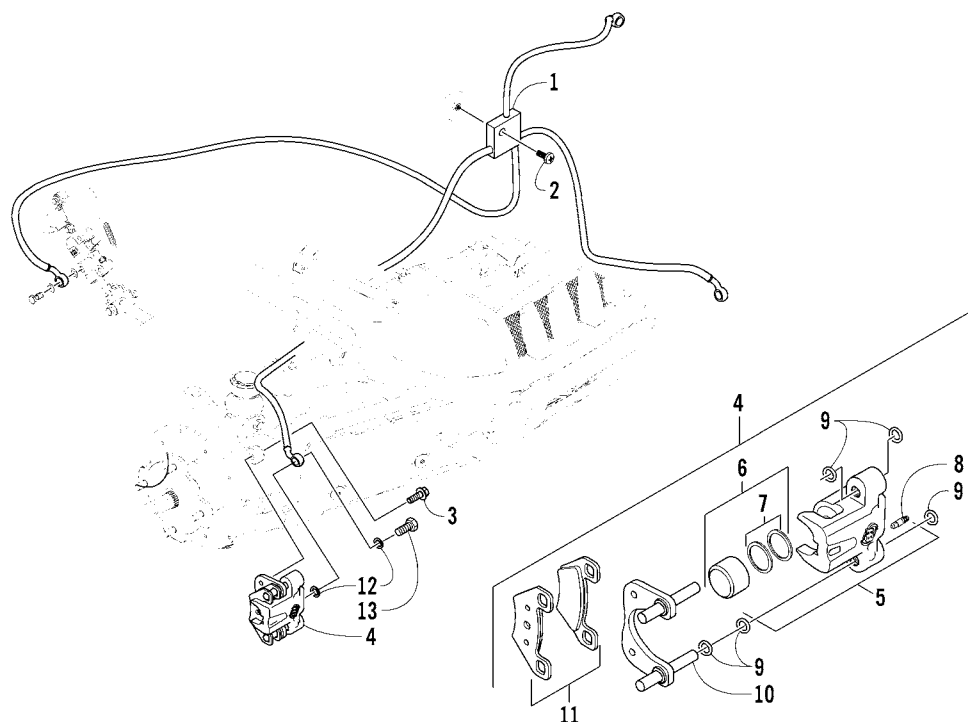
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1502-063</u>	1	Lever, Brake	16	<u>1502-179</u>	1	Bracket, Switch
2	1602-213	2	O-Ring	17	8408-625	2	Screw, Cap
3	8050-252	1	Washer	18	0502-785	1	Spring, Brake Switch
4	8408-816	1	Screw, Cap	19	1623-589	2	Screw, Cap
5	0502-807	1	Spring, Brake Lever	20	0502-878	1	Caliper, Brake (inc. 21-27)
6	<u>1502-153</u>	1	Brake Assembly (inc. 7-9)	21	0502-603	1	● Housing, Caliper - Assembly - Right Rear (inc. 22-24)
7	*	1	● Master Cylinder	22	0502-606	1	● ● Piston/Seal Set (inc. 23)
8	<u>1502-154</u>	1	● Hose, Brake Reservoir w/clamps	23	0502-607	1	● ● ● Seal Set
9	<u>1502-155</u>	1	● Reservoir, Brake	24	0502-609	1	● ● Valve, Bleed
10	0623-038	1	Nut, Flanged	25	0502-608	1	● O-Ring, Guide - Set
11	8476-616	1	Screw, Machine	26	0502-605	1	● Bracket Assembly
12	0123-788	1	Cable Tie - 7.5 in.	27	0502-875	1	● Pad, Brake - Set
13	<u>1502-140</u>	1	Hose, Brake	28	<u>1502-115</u>	2	Clip, Brake Hose
14	0423-178	6	Washer, Crush	29	<u>1502-138</u>	1	Adapter, Hose
15	0423-413	3	Bolt, Banjo-Fitting				



HYDRAULIC HAND BRAKE ASSEMBLY

0741-458

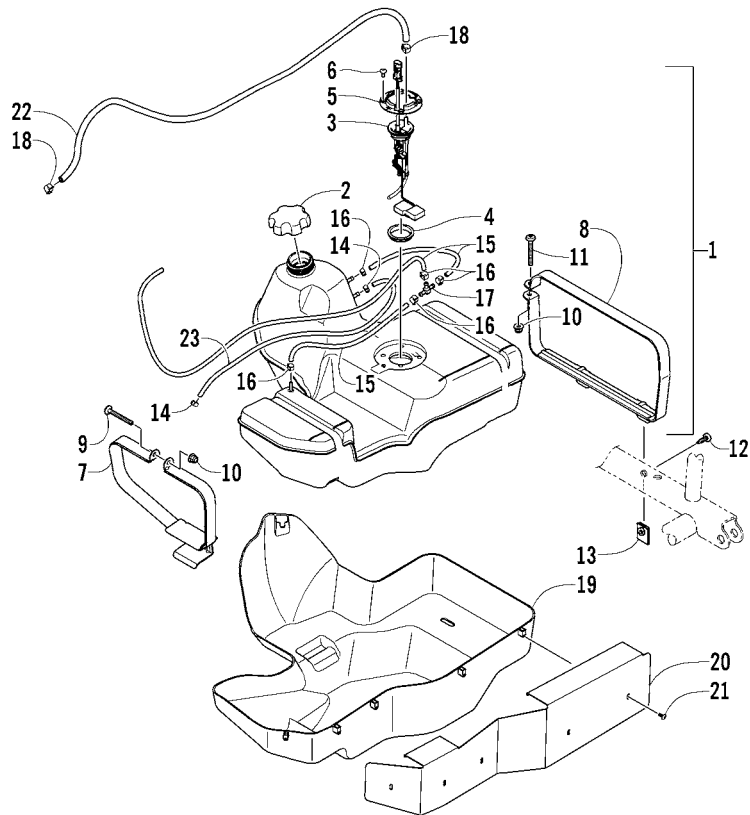
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-912	1	Brake Assembly (inc. 2-10)	7	0502-866	1	● Lever Assembly - Kit (inc. 8-9)
2	0502-566	1	● Screw, Reservoir Cover - Kit	8	0502-867	1	● ● Lock, Brake Lever - Kit
3	0502-868	1	● Cover, Reservoir - Kit	9	0502-580	1	● ● Lever Pin - Kit
4	0502-568	1	● Screw, Master Cylinder Clamp - Kit	10	0502-564	1	● Switch, Brake - Kit
5	0502-869	1	● Clamp, Master Cylinder - Kit	11	0423-178	2	Washer, Crush
6	0502-704	1	● Master Cylinder Assembly - Kit	12	0423-413	1	Bolt, Banjo-Fitting



HYDRAULIC BRAKE ASSEMBLY

0741-431

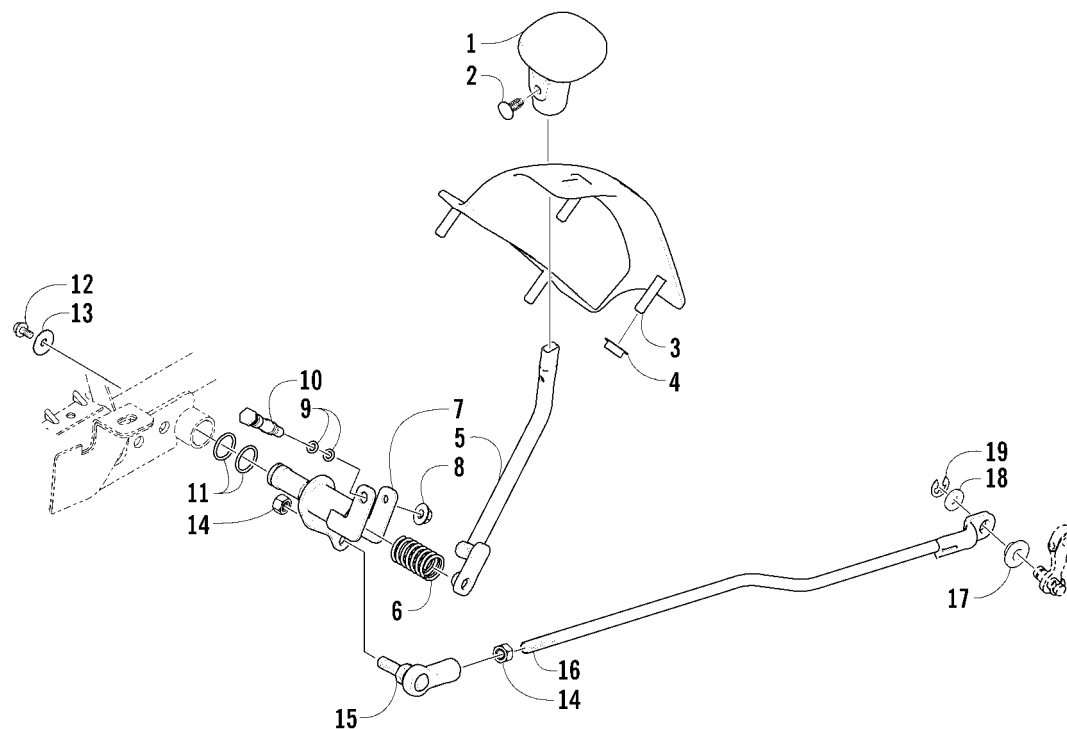
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-015	1	Hose, Brake - Assembly	6	0502-606	2	● ● Piston/Seal Set (inc. 7)
2	8476-625	1	Screw, Cap	7	0502-607	2	● ● ● Seal Set
3	1623-589	4	Screw, Cap	8	0502-609	2	● ● Valve, Bleed
4	0502-878	1	Caliper, Brake - Right Front (inc. 5-11)	9	0502-608	2	● O-Ring, Guide - Set
	0502-879	1	Caliper, Brake - Left Front (inc. 5-11)	10	0502-605	2	● Bracket Assembly
5	0502-603	1	● Housing, Caliper - Assembly - Right Front (inc. 6-8)	11	0502-875	2	● Pad, Brake - Set
	0502-611	1	● Housing, Caliper - Assembly - Left Front (inc. 6-8)	12	0423-178	2	Washer, Crush
				13	0423-413	1	Bolt, Banjo-Fitting



FUEL TANK ASSEMBLY

0742-241

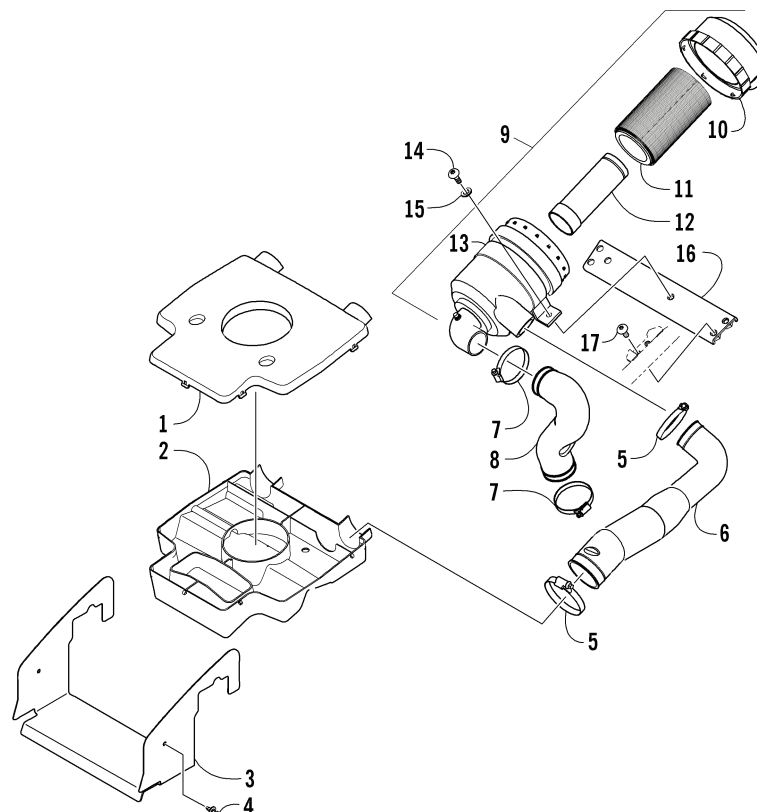
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0570-143</u>	1	Tank, Fuel - Assembly w/Straps (inc. 2-11)	13	0470-536	2	Clip, Mounting - Fuel Tank
2	<u>0470-653</u>	1	● Cap, Fuel Tank	14	0423-688	2	Clamp, Hose
3	<u>0570-155</u>	1	● Sensor, Fuel Level (inc. 4)	15	0410-070	AR	Hose, Fuel - 25 ft
4	0470-521	1	● Seal, Fuel Level Sensor	16	0423-670	5	Clamp, Hose
5	0470-639	1	● Plate, Mounting - Fuel Level Sensor	17	0109-332	1	Fitting, T
6	1623-158	4	● Screw, Plastite	18	0423-689	2	Clamp, Hose
7	<u>0570-168</u>	1	● Strap, Mounting - Fuel Tank - Front	19	0470-479	1	Shield, Fuel Tank
8	<u>0570-169</u>	1	● Strap, Mounting - Fuel Tank - Rear	20	0470-474	1	Shield, Heat
9	8476-650	1	● Screw, Machine	21	0623-797	5	Screw, Self-Tapping
10	8427-602	2	● Nut, Lock	22	<u>0410-143</u>	AR	Hose, Fuel - 25 ft
11	8476-640	1	● Screw, Machine	23	<u>0410-142</u>	AR	Hose, Fuel - 25 ft
12	0423-609	2	Screw, Mounting - Fuel Tank				



REVERSE SHIFT LEVER ASSEMBLY

0742-244

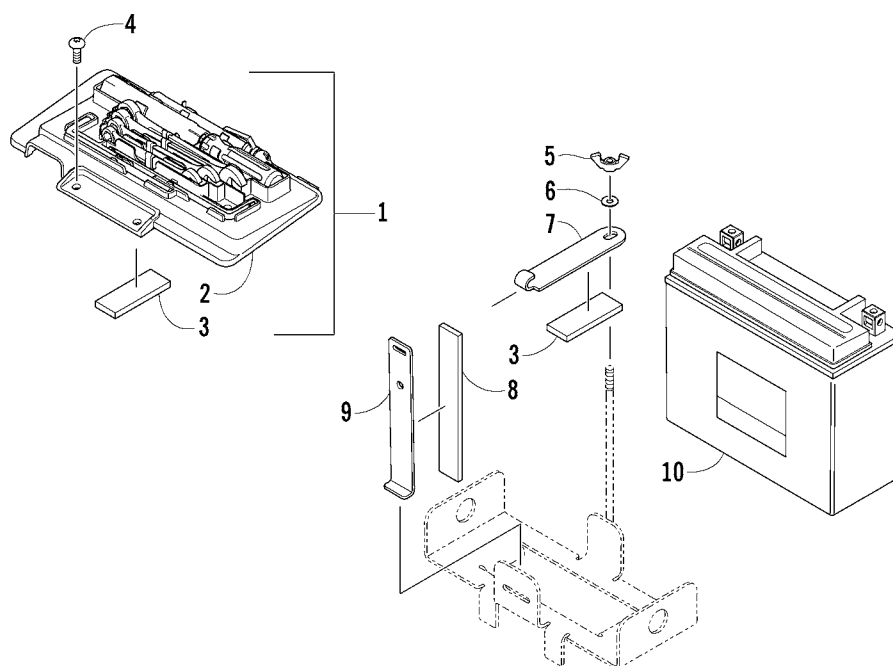
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-843	1	Knob, Reverse Shift Lever	11	0423-299	2	O-Ring
2	0423-345	1	Clip, Push	12	8408-812	1	Screw, Cap
3	<u>1402-576</u>	1	Plate, Shift	13	0423-087	1	Washer
4	0423-357	4	Nut, Stamped	14	0623-294	2	Nut
5	0502-659	1	Lever, Reverse Shift	15	1402-270	1	End, Rod
6	0502-410	1	Spring, Reverse Shift Lever	16	<u>1502-014</u>	1	Linkage, Shift
7	<u>1502-012</u>	1	Axle, Reverse Shift Lever	17	0423-091	1	Bushing, Shift Linkage
8	8424-602	1	Nut	18	0623-094	1	Washer
9	0423-182	2	O-Ring	19	0423-169	1	E-Ring
10	0402-675	1	Axle, Pivot				



AIR INTAKE ASSEMBLY

0741-964

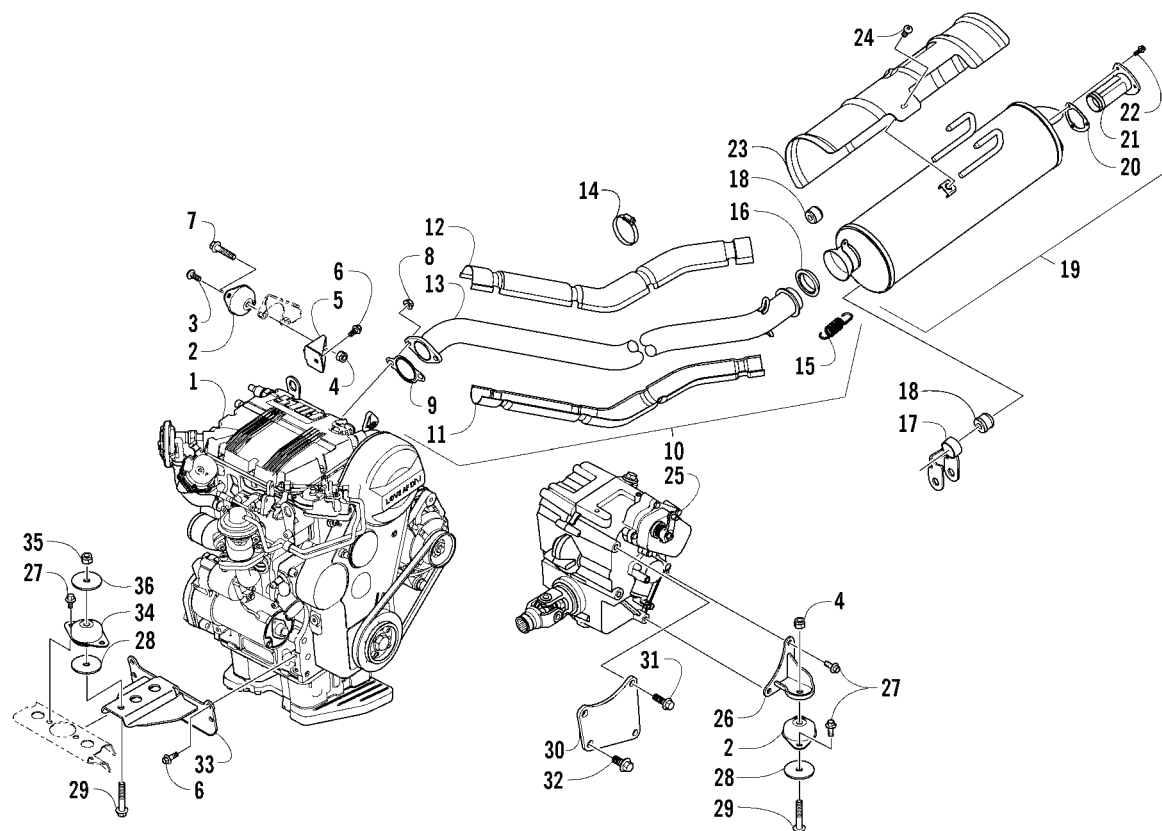
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-091	1	Diverter, Air - Top	10	<u>0470-627</u>	1	● Cap, Air Filter
2	0413-093	1	Diverter, Air - Bottom	11	<u>0470-619</u>	1	● Element, Air Filter - Main
3	<u>2406-509</u>	1	Shroud, Splash	12	0470-620	1	● Element, Air Filter - Safety
4	0623-362	2	Rivet, Reinstallable	13	<u>0470-628</u>	1	● Bracket, Mounting - Air Filter Element
5	0423-317	2	Clamp, Boot	14	8476-620	2	Screw, Bracket
6	<u>0470-618</u>	1	Duct, Air Intake	15	8050-222	2	Washer
7	0423-066	2	Clamp, Boot	16	<u>2506-082</u>	1	Bracket, Mounting - Air Filter
8	<u>0470-621</u>	1	Duct, Engine Intake	17	8476-616	4	Screw, Machine
9	<u>0470-617</u>	1	Filter, Air - Assembly (inc. 10-13)				



BATTERY ASSEMBLY

0742-250 *Not Illustrated

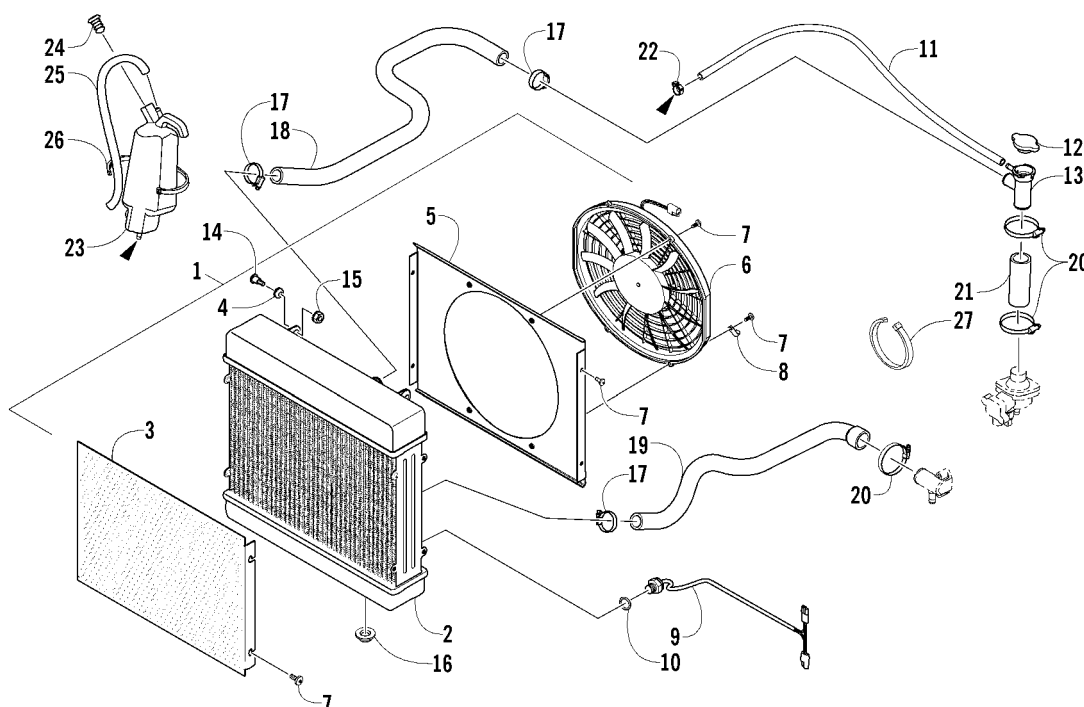
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5990-839	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	6	8050-217	1	Washer
2	2406-511	1	● Cover, Battery	7	0645-243	1	Strap, Battery - Top
3	0406-288	2	● Pad, Battery	8	0406-289	1	Pad, Battery
*	0444-122	1	● Kit, Tool	9	0645-311	1	Strap, Battery - Side
4	8476-620	2	Screw, Machine	10	0645-432	1	Battery
5	0623-325	1	Nut, Wing				



ENGINE AND EXHAUST

0741-986

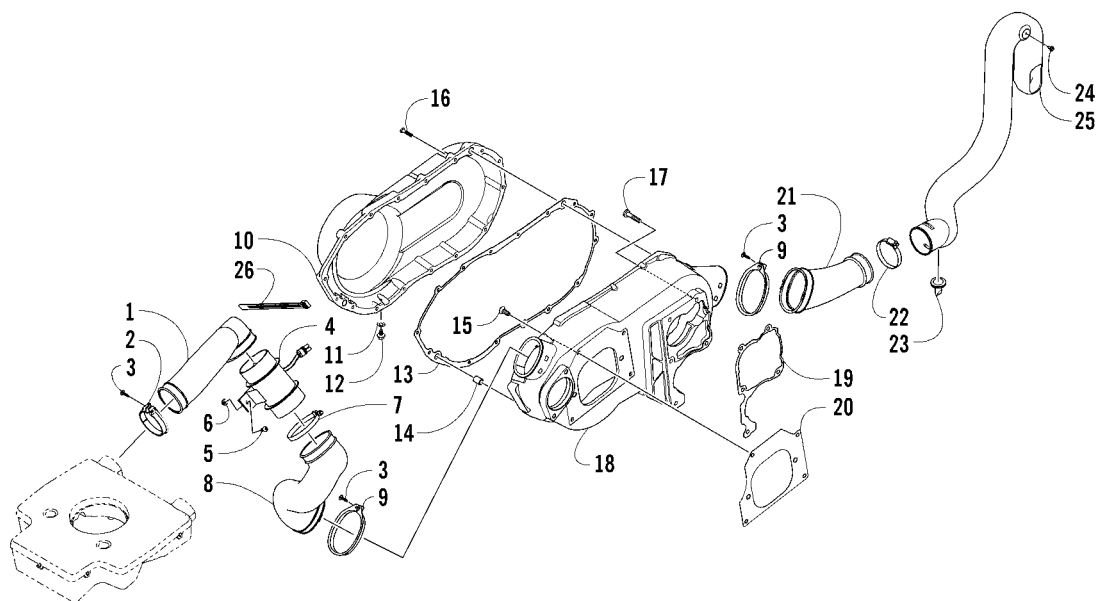
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0463-044</u>	1	Engine	20	<u>0412-313</u>	1	● Gasket, Spark Arrester
2	<u>2406-323</u>	3	Mount, Engine - Rubber	21	<u>0512-219</u>	1	● Arrester, Spark
3	<u>8468-820</u>	2	Screw, Cap	22	<u>8408-616</u>	3	● Screw, Cap
4	<u>8422-002</u>	3	Nut, Lock	23	<u>0412-373</u>	1	Cover, Muffler
5	<u>2506-186</u>	1	Mounting, Bracket - Engine	24	<u>8477-610</u>	3	Screw, Machine
6	<u>8408-816</u>	5	Screw, Cap	25	<u>0502-993</u>	1	Gearcase - Assembly
7	<u>0423-736</u>	1	Screw, Cap	26	<u>2506-190</u>	1	Bracket, Mounting - Engine - Right
8	<u>0423-687</u>	2	Nut		<u>2506-191</u>	1	Bracket, Mounting - Engine - Left
9	<u>3206-296</u>	1	Gasket, Exhaust Manifold	27	<u>8408-820</u>	8	Screw, Cap
10	<u>0512-322</u>	1	Pipe, Exhaust - Assembly (inc. 11-14)	28	<u>2506-061</u>	3	Washer, Engine Mount
11	<u>0412-386</u>	1	● Shield, Exhaust Pipe - Lower	29	<u>8408-055</u>	3	Screw, Cap
12	<u>0412-385</u>	1	● Shield, Exhaust Pipe - Upper	30	<u>0408-015</u>	1	Plate, Mounting - Engine/Transmission
13	<u>0512-321</u>	1	● Pipe, Exhaust	31	<u>8409-030</u>	2	Screw, Cap
14	<u>0423-317</u>	4	● Hose Clamp	32	<u>0423-685</u>	2	Screw, Cap
15	<u>0612-668</u>	2	Spring	33	<u>2506-189</u>	1	Bracket, Mounting - Engine - Front
16	<u>0412-375</u>	1	Seal, Exhaust	34	<u>2406-322</u>	1	Mount, Engine - Rubber
17	<u>1506-732</u>	1	Channel, Muffler Support (inc. one No. 18)	35	<u>0423-737</u>	1	Nut
18	<u>0412-215</u>	3	● Bushing	36	<u>0423-073</u>	1	Washer
19	<u>0512-306</u>	1	Muffler (inc. 20-22)				



COOLING ASSEMBLY

0741-966

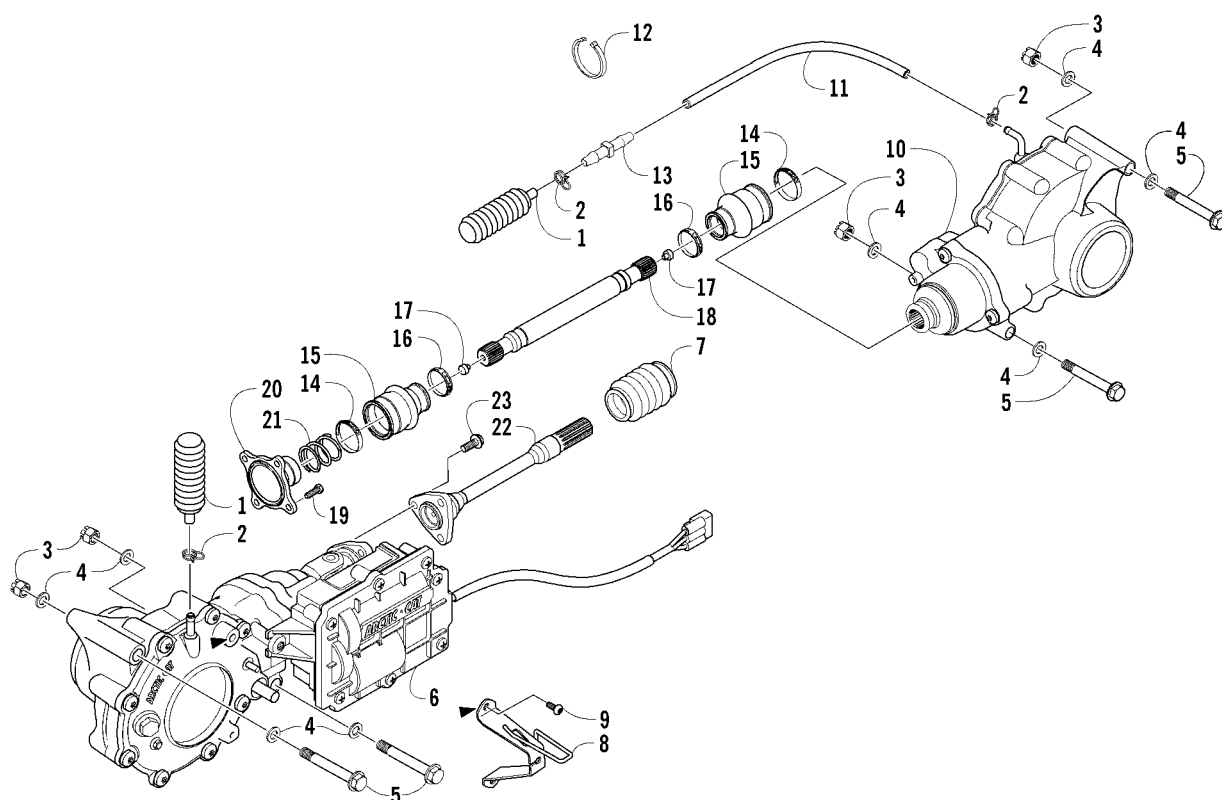
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0413-142</u>	1	Radiator Assembly (inc. 2-10)	15	0623-038	2	Nut w/Washer
2	<u>0413-156</u>	1	● Radiator	16	0423-028	2	Bushing, Stem
3	<u>0413-154</u>	1	● Screen, Radiator	17	0423-496	3	Clamp, Hose
4	0423-030	2	● Grommet	18	<u>0410-106</u>	1	Hose, Coolant
5	<u>0413-155</u>	1	● Shroud, Fan	19	<u>0410-107</u>	1	Hose, Coolant
6	0413-123	1	● Fan, Cooling	20	1623-093	3	Clamp
7	8475-512	12	● Screw, Machine	21	<u>0410-121</u>	1	Hose, Coolant - Coupler
8	0123-397	1	● Clamp, Cable	22	0124-045	1	Clamp, Hose
9	0413-045	1	● Sensor, Temperature - Coolant	23	0413-086	1	Tank, Coolant Overflow
10	0423-390	1	● O-Ring	24	0413-087	1	Stopper, Coolant Tank
11	0610-016	AR	Hose - 25 ft	25	0610-011	AR	Hose, Clear - 25 ft
12	0413-002	1	Cap, Radiator	26	0623-316	1	Cable Tie
13	<u>0413-140</u>	1	Tank, Coolant Fill	27	0123-788	2	Cable Tie
14	0423-484	2	Screw, Shoulder				



CASE/BELT COOLING ASSEMBLY

0741-991

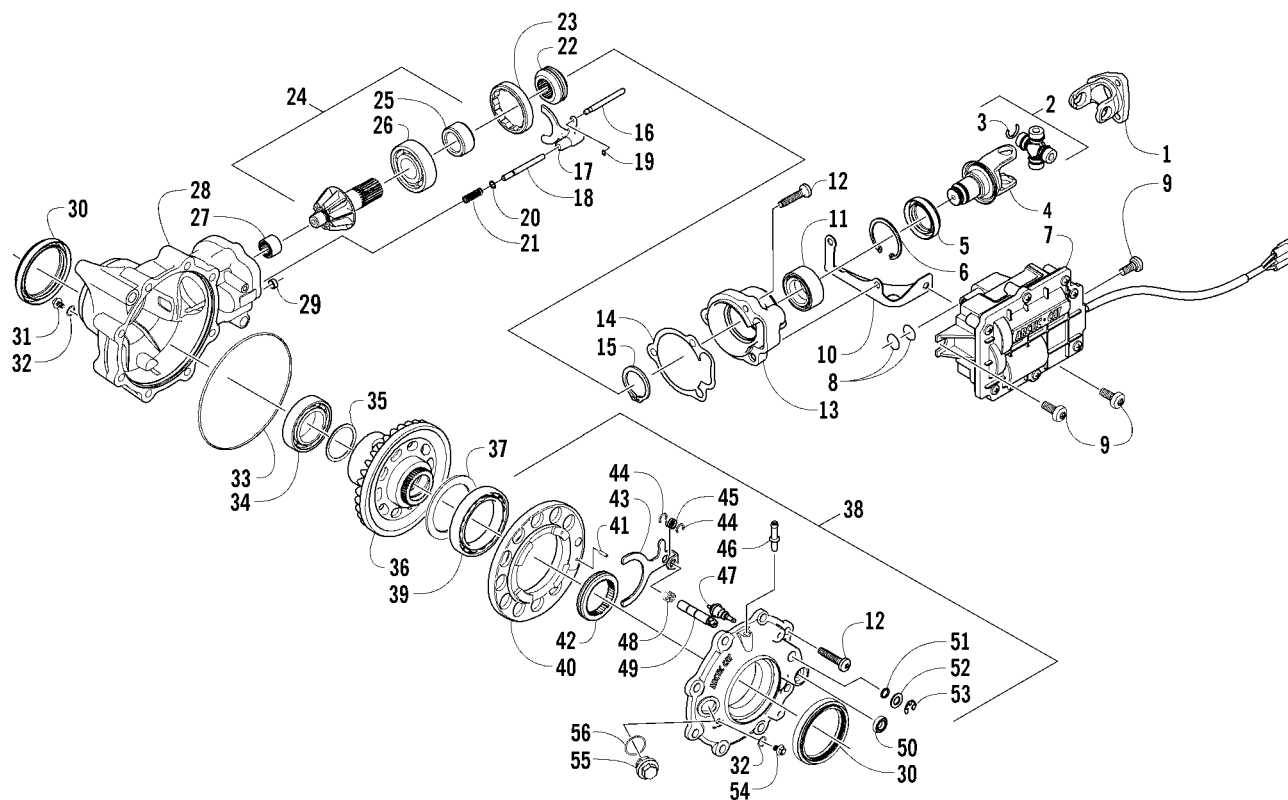
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0413-132</u>	1	Duct, Belt Cooling - Front	14	0829-002	2	Dowel, Split
2	0423-551	1	Clamp, Plastic	15	8473-820	4	Screw, Machine
3	0423-342	3	Screw, Self-Tapping	16	8468-630	16	Screw, Machine
4	<u>0413-141</u>	1	Fan, Belt Cooling	17	0423-118	5	Screw, Self-Tapping
5	8475-512	2	Screw, Machine	18	<u>1402-527</u>	1	Cover, Clutch
6	8424-502	2	Nut, Hex	19	<u>1402-526</u>	1	Gasket, Gearcase
7	0423-018	1	Clamp, Boot	20	<u>1402-524</u>	1	Gasket, Clutch Cover
8	<u>0413-133</u>	1	Boot, Belt Cooling - Inlet	21	<u>0413-134</u>	1	Boot, Belt Cooling - Outlet
9	0423-550	2	Clamp, Plastic	22	0423-380	1	Clamp, Boot
10	<u>1502-157</u>	1	Cover, Clutch	23	0470-442	1	Valve, Drain
11	0830-013	1	Washer, Crush	24	0623-301	1	Screw, Self-Tapping
12	8408-812	1	Screw, Cap	25	<u>0413-106</u>	1	Duct, Belt Cooling - Rear
13	<u>1402-528</u>	1	Gasket, V-Belt Cover	26	0623-316	1	Cable Tie



DRIVE TRAIN ASSEMBLY

0742-251

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-147	2	Bladder, Gearcase	13	0470-462	1	Fitting, Vent
2	0423-315	4	Clamp, Fitting	14	0423-393	2	Clamp, Boot
3	8428-002	4	Nut, Lock	15	0402-985	2	Boot
4	0423-426	10	Washer	16	0423-411	2	Clamp, Boot
5	0423-404	4	Screw, Cap	17	0673-618	2	Bumper, Propeller Shaft
6	<u>0502-975</u>	1	Gearcase, Front	18	<u>1402-507</u>	1	Shaft, Propeller
7	0402-966	1	Boot, Shaft	19	8408-820	4	Screw, Cap
8	0502-500	1	Plate, Cable	20	0402-950	1	Flange, Output
9	0423-396	2	Screw, Self-Tapping	21	1402-026	1	Spring
10	<u>1502-079</u>	1	Gearcase, Rear	22	<u>0502-976</u>	1	Shaft, Propeller
11	0410-048	AR	Hose, Vent	23	8409-025	3	Screw, Cap
12	0123-788	1	Cable Tie				

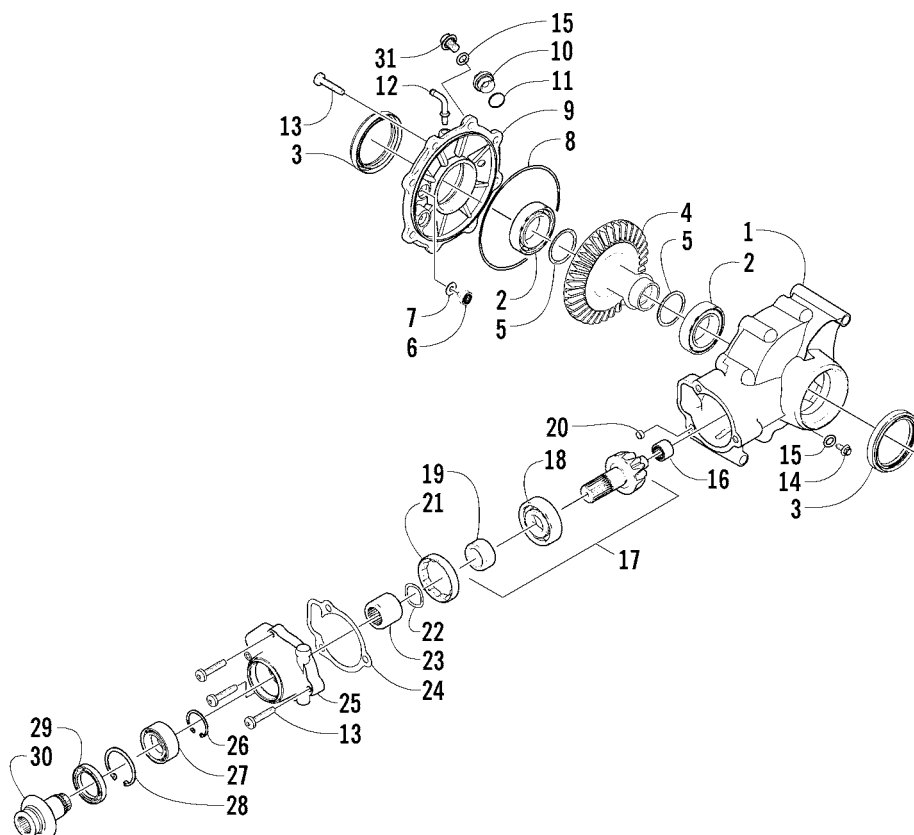


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 0502-975)

0742-249

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1402-369	1	Yoke, Flange	34	0402-393	1	Bearing
2	1402-164	1	Joint, Universal - Set (inc. 3)	35	0402-405	AR	Shim
3	0423-450	4	● Retainer		0402-406	AR	Shim
4	0502-517	1	Yoke, Front End - Assembly		0402-407	AR	Shim
5	1402-011	1	Seal		0402-408	AR	Shim
6	0423-423	1	Ring, Retaining		0402-409	AR	Shim
7	0502-579	1	Actuator (inc. one No. 8)	36	0502-851	1	Gear, Ring - 36T
8	0423-498	2	● O-Ring	37	1402-074	AR	Shim
9	0423-396	3	Screw, Self-Tapping		1402-075	AR	Shim
10	0502-347	1	Bracket, Actuator		1402-076	AR	Shim
11	1402-043	1	Bearing		1402-077	AR	Shim
12	0423-118	11	Screw, Self-Tapping		1402-078	AR	Shim
13	0502-528	1	Housing, Pinion	38	1502-097	1	Cover, Gearcase (inc. one No. 30, one No. 32, and 39-54)
14	0402-947	1	Gasket, Flange	39	1402-053	1	● Bearing
15	0423-417	1	Ring, Retaining	40	0502-413	1	● Flange, Bearing
16	0402-997	1	Shaft, Selector	41	1402-079	1	● Pin, Parallel
17	0402-998	1	Fork, Selector	42	1402-042	1	● Collar, Sliding
18	0402-417	1	Shaft, Shuttle	43	1402-054	1	● Fork
19	0423-402	1	Ring, Retaining	44	1402-058	2	● Ring, Retaining
20	0423-147	1	O-Ring	45	1402-057	1	● Spring
21	0402-999	1	Spring, Return	46	1402-104	1	● Fitting
22	0402-413	1	Coupler, Drive	47	0402-419	1	● Switch, Indicator
23	0402-357	1	Collar, Lock	48	1402-063	1	● Spring
24	0502-783	1	Gear, Pinion - Assembly - 10T (inc. 25-26)	49	1402-055	1	● Shaft, Lock
25	0402-336	1	● Collar, Retaining	50	1402-056	1	● Seal
26	0402-327	1	● Bearing	51	0423-133	1	● O-Ring
27	0402-328	1	Bearing	52	0423-132	1	● Washer
28	0502-514	1	Housing, Gearcase	53	0423-424	1	● Ring, Retaining
29	0402-411	1	Pin, Dowel	54	1402-211	1	● Plug, Oil Level (inc. one No. 32)
30	1402-441	2	Seal	55	0402-333	1	Plug, Fill (inc. 56)
31	1402-210	1	Plug, Magnetic (inc. one No. 32)	56	0423-154	1	● O-Ring
32	0423-153	2	● O-Ring				
33	0423-149	1	O-Ring				

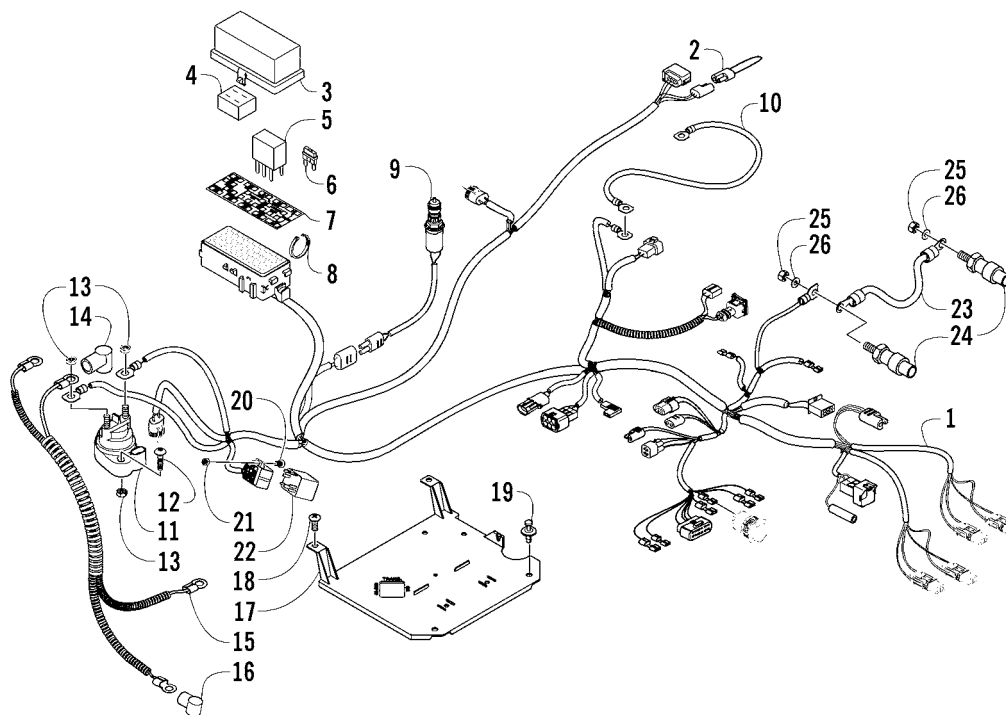


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-079)

0741-524

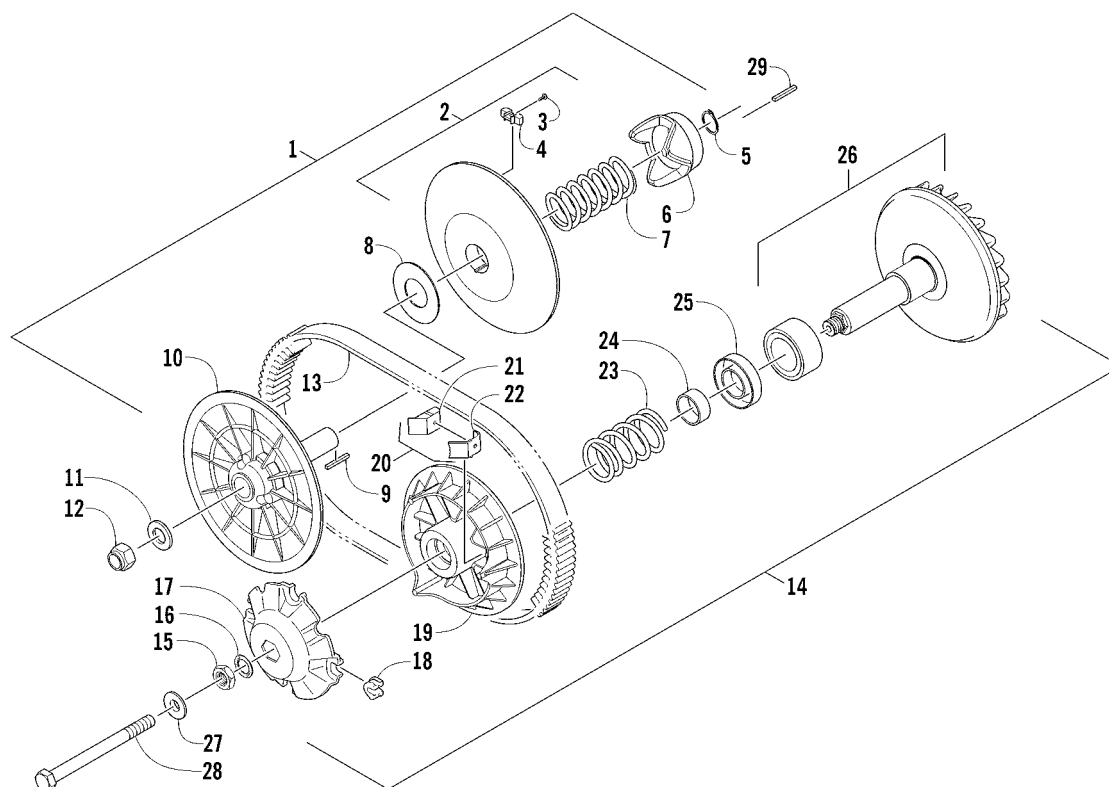
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-622	1	Housing, Gearcase	13	0423-118	11	Screw, Self-Tapping
2	0402-393	2	Bearing	14	0402-450	1	Plug, Magnetic (inc. one No. 15)
3	<u>1402-441</u>	2	Seal	15	0423-153	2	● O-Ring
4	1402-032	1	Gear, Ring - 36T	16	0402-328	1	Bearing
5	0402-405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



WIRING HARNESS ASSEMBLY

0742-242

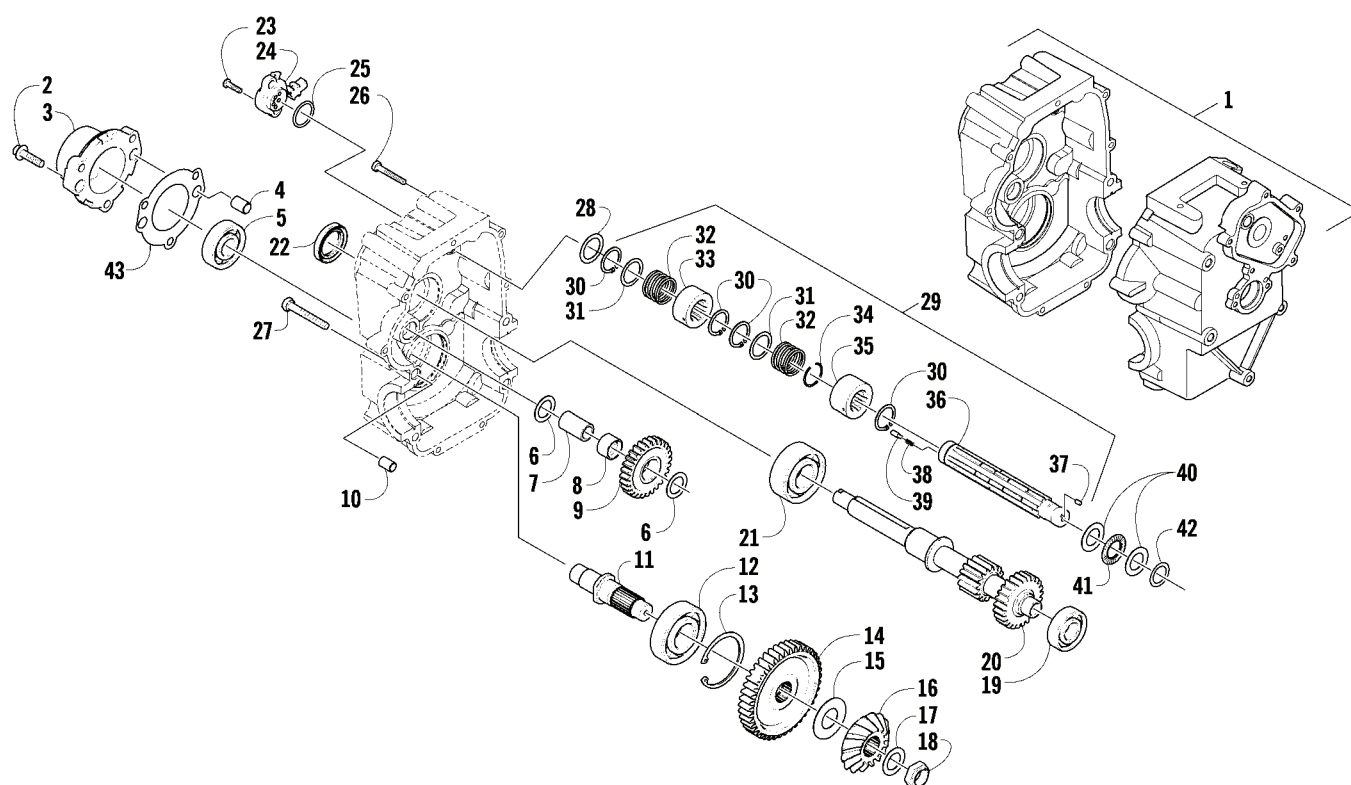
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-197</u>	1	Harness, Main (inc. 2-7)	13	0623-038	8	Nut w/Washer
2	0486-164	1	● Tether, Accessory Connector	14	0645-327	1	Boot, Terminal
3	0530-008	1	● Cover, Fuse Block	15	<u>0445-059</u>	1	Cable, Battery - Assembly
4	0430-037	1	● Holder, Fuse	16	0645-019	2	Boot, Terminal
5	0430-033	1	● Relay (5-Pin) - 20 Amp	17	<u>2406-388</u>	1	Tray, Electrical
	0430-045	3	● Relay (4-Pin) - 20 Amp	18	8476-620	2	Screw, Machine
6	0430-032	4	● Fuse - 10 Amp	19	0623-362	4	Rivet, Reinstallable
	0430-031	4	● Fuse - 15 Amp	20	0423-371	1	Screw, Machine
	0430-030	2	● Fuse - 30 Amp	21	8424-502	1	Nut, Hex
7	<u>1411-381</u>	1	● Decal, Fuse Block	22	<u>3206-311</u>	1	Relay, Glow Plug
8	0123-788	AR	Cable Tie - 7.5 in.	23	<u>3206-307</u>	1	Wire, Glow Plug
9	0409-072	1	Switch, Brake - Assembly	24	<u>3206-306</u>	2	Plug, Glow
10	<u>0445-060</u>	1	Cable, Battery/Ground	25	<u>3206-308</u>	2	Nut
11	0445-058	1	Solenoid	26	<u>3206-309</u>	2	Washer
12	8476-625	2	Screw, Machine				



CLUTCHES AND DRIVE BELT ASSEMBLIES

0742-008

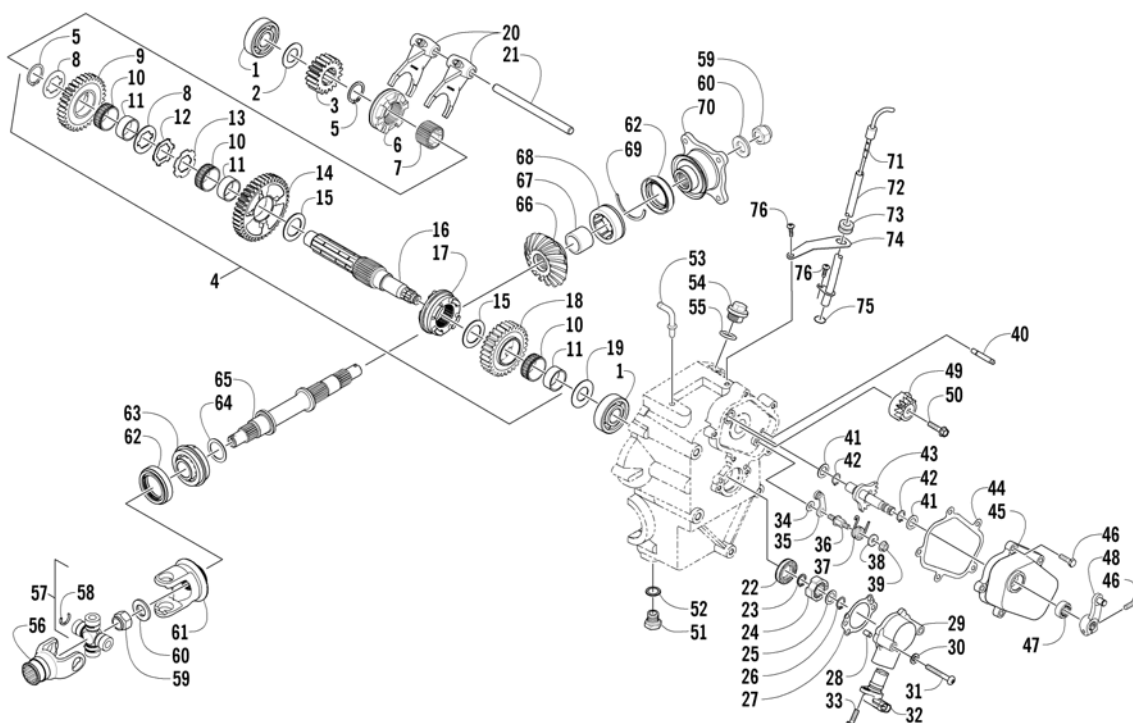
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1502-073</u>	1	Pulley, Driven - Assembly (inc 2-10)	16	<u>0423-746</u>	1	● Washer, Lock
2	<u>1502-208</u>	1	● Face, Driven - Movable (inc. 3-4)	17	<u>1502-207</u>	1	● Plate, Movable Drive Face
3	<u>0423-752</u>	3	● ● Screw, Cam	18	<u>1402-628</u>	3	● Damper, Movable Drive Face
4	<u>1402-632</u>	3	● ● Cam, Shoe	19	<u>1402-625</u>	1	● Face, Drive - Movable
5	<u>0423-751</u>	1	● Ring, Retaining	20	<u>1502-205</u>	6	● Block, Weight - Assembly (inc. 21-22)
6	<u>1402-630</u>	1	● Cam	21	<u>1402-627</u>	6	● ● Weight
7	<u>0423-750</u>	1	● Spring	22	<u>1402-626</u>	6	● ● Block, Weight
8	<u>0423-749</u>	1	● Shim	23	<u>0423-745</u>	1	● Spring
9	<u>1402-631</u>	1	● Key	24	<u>1402-624</u>	1	● Stopper
10	<u>1402-629</u>	1	● Face, Driven - Fixed	25	<u>1402-623</u>	1	● Seat, Spring
11	<u>0828-020</u>	1	Washer	26	<u>1502-206</u>	1	● Face, Drive - Fixed
12	<u>0827-013</u>	1	Nut, Driven Pulley	27	<u>0423-733</u>	1	Washer
13	<u>1402-564</u>	1	Belt, Drive	28	<u>0423-673</u>	1	Bolt, Hex
14	<u>1502-072</u>	1	Pulley, Drive - Assembly (inc. 15-26)	29	<u>0423-718</u>	1	Key
15	<u>0423-747</u>	1	● Nut, Hex				



TRANSMISSION RIGHT-SIDE ASSEMBLY

0741-915

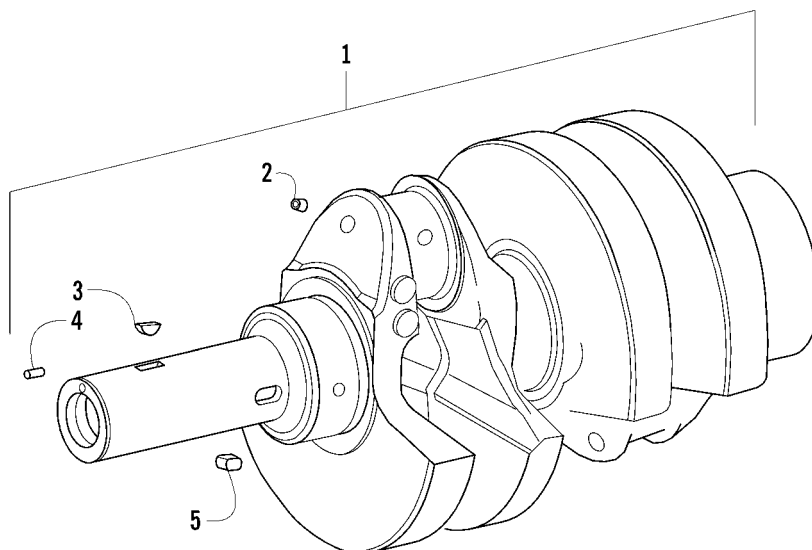
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1502-043</u>	1	Housing, Gearcase - Set	19	<u>0832-013</u>	1	Bearing
2	<u>8408-830</u>	3	Screw, Cap	20	<u>1402-553</u>	1	Shaft, Input
3	<u>0801-006</u>	1	Housing, Secondary Output Shaft Bearing	21	<u>0832-012</u>	1	Bearing, Driveshaft
4	<u>0829-002</u>	2	Dowel, Split	22	<u>0830-035</u>	1	Seal, Driveshaft
5	<u>0832-014</u>	1	Bearing, Secondary Output Shaft	23	<u>8470-520</u>	2	Screw, Machine
6	<u>0828-016</u>	2	Washer, Thrust	24	<u>0818-049</u>	1	Sensor, Gear Shift Position
7	<u>0822-015</u>	1	Shaft, Reverse Idle	25	<u>0423-714</u>	1	O-Ring
8	<u>0822-012</u>	1	Bushing, Reverse Idle Gear	26	<u>8405-640</u>	7	Screw, Cap
9	<u>0822-011</u>	1	Gear, Reverse Idle	27	<u>8405-855</u>	4	Screw, Cap
10	<u>0829-003</u>	2	Dowel, Split	28	<u>0828-040</u>	1	Washer, Steel
11	<u>0822-067</u>	1	Shaft, Output - Secondary	29	<u>0818-046</u>	1	Shaft, Gear Shift - Assembly (inc. 30-37)
12	<u>0832-015</u>	1	Bearing, Output - Secondary Shaft	30	<u>0831-011</u>	4	● Ring, Retaining
13	<u>0402-347</u>	1	Ring, Retaining	31	<u>0828-039</u>	2	● Washer
14	<u>1402-559</u>	1	Gear, Driven - No. 2 (42 Tooth)	32	<u>0818-012</u>	2	● Spring, Cam - Gear Shift
15	<u>0828-030</u>	AR	Shim, 24 x 48 x .25	33	<u>0818-027</u>	1	● Cam, Reverse - Gear Shift
	<u>0828-031</u>	AR	Shim, 24 x 48 x .30	34	<u>0818-011</u>	1	● C-Ring
	<u>0828-032</u>	AR	Shim, 24 x 48 x .35	35	<u>0818-009</u>	1	● Cam, Forward - Gear Shift
	<u>0828-033</u>	AR	Shim, 24 x 48 x .90	36	<u>0818-010</u>	1	● Shaft, Gear Shift
	<u>0828-018</u>	AR	Shim, 24 x 48 x .95	37	<u>0829-011</u>	1	● Pin, Dowel
	<u>0828-062</u>	AR	Shim, 24 x 48 x 1.00	38	<u>0818-017</u>	2	Spring, Gear Shift Contacts
	<u>0828-063</u>	AR	Shim, 24 x 48 x 1.05	39	<u>0818-013</u>	2	Contact, Gear Shift
	<u>0828-064</u>	AR	Shim, 24 x 48 x 1.10	40	<u>0828-067</u>	2	Washer, Thrust Bearing
	<u>0828-065</u>	AR	Shim, 24 x 48 x 1.15	41	<u>0832-034</u>	1	Bearing, Thrust - Roller
16	<u>0819-001</u>	1	Gear, Secondary Drive	42	<u>0828-037</u>	1	Washer
17	<u>0828-019</u>	1	Washer, Thrust	43	<u>1402-605</u>	1	Gasket
18	<u>0827-012</u>	1	Nut, Hex				



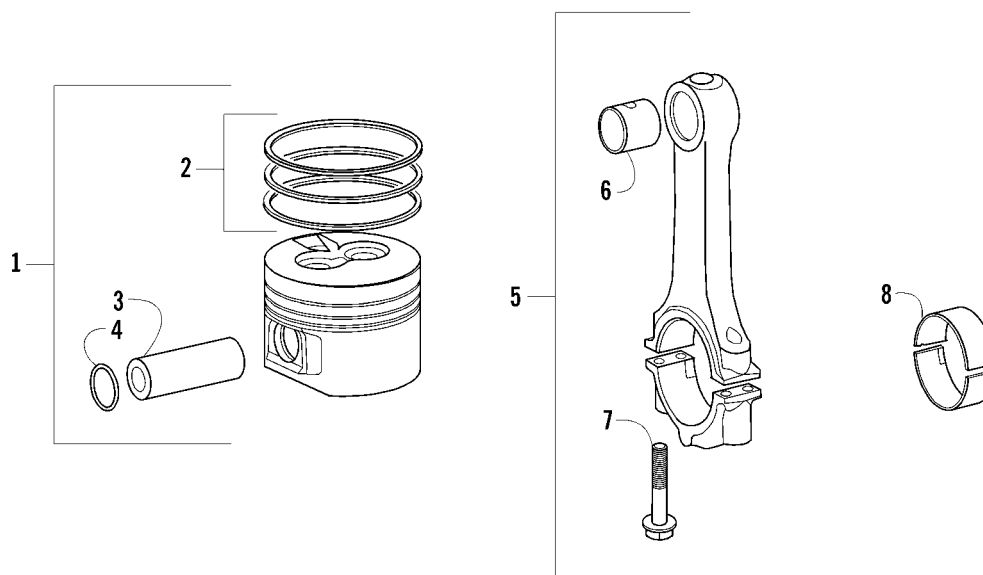
TRANSMISSION LEFT-SIDE ASSEMBLY

0741-914

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0832-014	2	Bearing	39	8424-602	1	Nut, Hex Flange
2	0828-010	1	Washer, Thrust - Secondary Transmission	40	1402-556	1	Stop, Spring - Selector
3	1402-558	1	Gear, Drive - No. 2 (18 Tooth)	41	0828-036	2	Washer
4	1502-149	1	Countershaft (inc. 5-18)	42	0831-010	2	Ring, Retaining
5	0831-011	4	● Ring, Retaining	43	0818-007	1	Shaft, Sub - Gear Shift
6	0822-014	1	● Dog, Reverse Gear	44	1402-557	1	Gasket, Cover - Selector
7	0822-045	1	● Insert, Gear	45	1502-009	1	Cover, Selector - Gearcase
8	0828-008	2	● Washer, Secondary Transmission	46	8405-620	6	Screw, Cap
9	0822-013	1	● Gear, Reverse Driven	47	0830-044	1	Seal, Sub - Gear Shift
10	0832-011	3	● Bearing	48	0818-014	1	Arm, Selector
11	0822-005	3	● Bushing	49	0818-005	1	Plate, Gear Shift Cam
12	0828-015	1	● Washer, Lock - Secondary Transmission	50	0826-006	1	Screw, Cap
13	0828-014	1	● Washer, Secondary Transmission	51	0812-006	1	Plug, Drain - Magnetic
14	0822-004	1	● Gear, Driven - Low (40 Tooth)	52	0830-017	1	Gasket, Compression
15	0822-046	2	● Shim, Drive Gear Spacer	53	1402-102	1	Fitting, 90°
16	0822-003	1	● Countershaft	54	0402-333	1	Plug, Fill
17	0822-007	1	● Dog, Sliding Driven Gear - High/Low	55	0830-010	1	O-Ring
18	0822-006	1	● Gear, Driven - High (30 Tooth)	56	0819-063	1	Yoke, Propeller Shaft
19	0828-011	1	Washer	57	1402-463	1	Joint, Universal - Set (inc. 58)
20	0818-072	2	Fork, Shift	58	0423-450	4	● Ring, Retaining - Universal Joint
21	0818-006	1	Shaft, Shift Fork	59	0827-013	2	Nut, Hex
22	0822-052	1	Seal, Countershaft - Right	60	0828-020	2	Washer
23	0831-040	1	Ring, External Retaining	61	0819-061	1	Yoke, Drive Output - Front Assembly
24	0822-050	1	Trigger, Speedometer Sensor	62	0830-043	2	Seal, Oil - Driven Shaft
25	0828-069	1	Washer, Thrust	63	0832-017	1	Bearing, Driven Shaft
26	0831-039	1	Ring, External Retaining	64	0828-026	1	Shim, 25.00 x 34.00 x 1.00
27	0830-129	1	Gasket, Odometer Drive	65	1402-554	1	Shaft, Output - Secondary
28	0829-023	2	Pin, Solid Dowel	66	0819-002	1	Gear, Secondary Driven
29	0822-049	1	Housing, Speedometer Sensor	67	1402-555	1	Sleeve, Bearing - Output Shaft
30	0830-107	2	Seal, Fastener	68	0832-016	1	Bearing, Driven Gear
31	8468-645	2	Screw, Machine	69	0819-011	1	Ring, Driven Bearing
32	0824-015	1	Sensor, Speedometer	70	0819-005	1	Flange, Output Joint - Assembly
33	8468-620	1	Screw, Machine	71	0470-689	1	Level Stick, Lubricant
34	0828-038	1	Washer	72	2506-388	1	Tube, Level Stick
35	0818-002	1	Stopper, Swing Arm - Cam Assembly	73	0423-465	1	Grommet
36	0818-004	1	Support, Cam Stopper	74	2506-445	1	Bracket - Tube
37	0818-028	1	Spring, Torsion - Cam Arm	75	0423-715	1	O-Ring
38	0828-035	1	Washer	76	0423-396	2	Screw, Self-Tapping



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-019</u>	1	Crankshaft Assembly (inc. 2-5)	4	<u>3206-022</u>	1	● Pin
2	<u>3206-020</u>	2	● Plug	5	<u>3206-021</u>	1	● Key
3	<u>3206-018</u>	1	● Key				

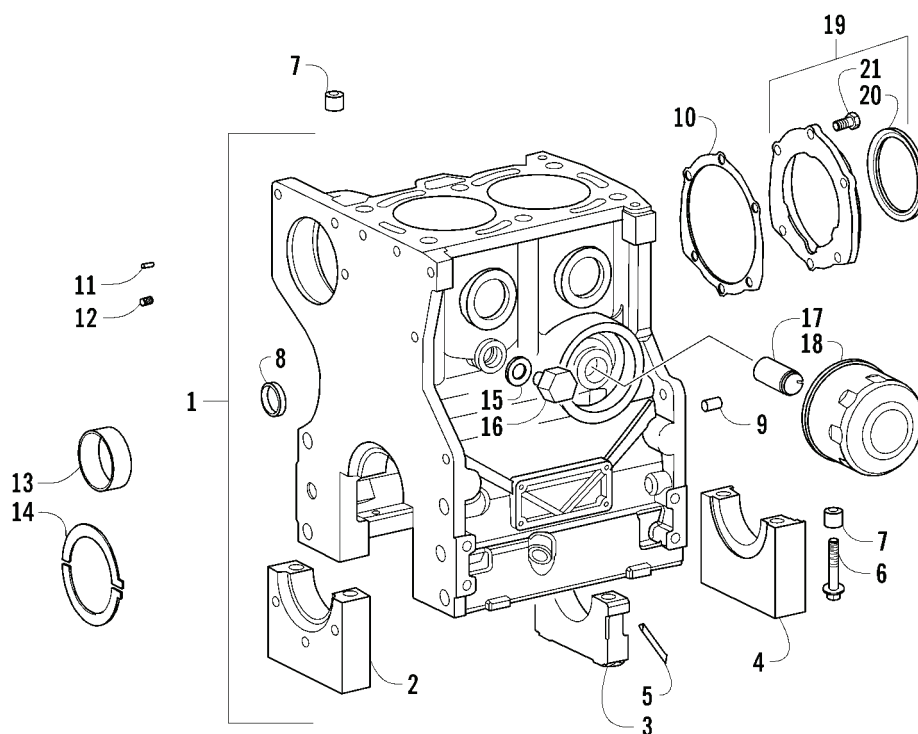


PISTON SET AND CONNECTING ROD ASSEMBLY

0741-808

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-026</u>	2	Piston - Set (inc. 2-4)	4	<u>3206-031</u>	4	● Circlip
	<u>3206-027</u>	2	Piston - Set (+0.50 mm)	5	<u>3206-035</u>	2	Connecting Rod (inc. 6-7)
	<u>3206-028</u>	2	Piston - Set (+1.00 mm)	6	<u>3206-029</u>	2	● Bushing
2	<u>3206-023</u>	2	● Ring - Set	7	<u>3206-036</u>	4	● Bolt
	<u>3206-024</u>	2	● Ring - Set (+0.50 mm)	8	<u>3206-032</u>	2	Bushing
	<u>3206-025</u>	2	● Ring - Set (+1.00 mm)		<u>3206-033</u>	2	Bushing (-0.25 mm)
3	<u>3206-030</u>	2	● Piston Pin		<u>3206-034</u>	2	Bushing (-0.50 mm)

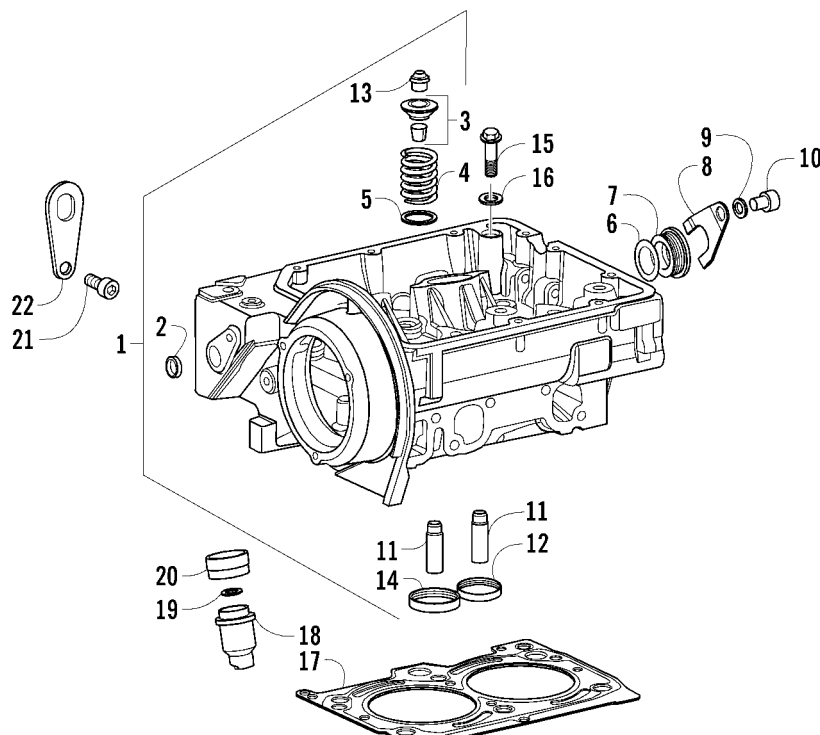
32



CRANKCASE, CRANKSHAFT SUPPORT, AND OIL FILTER ASSEMBLIES

0741-813 *Not a Service Part

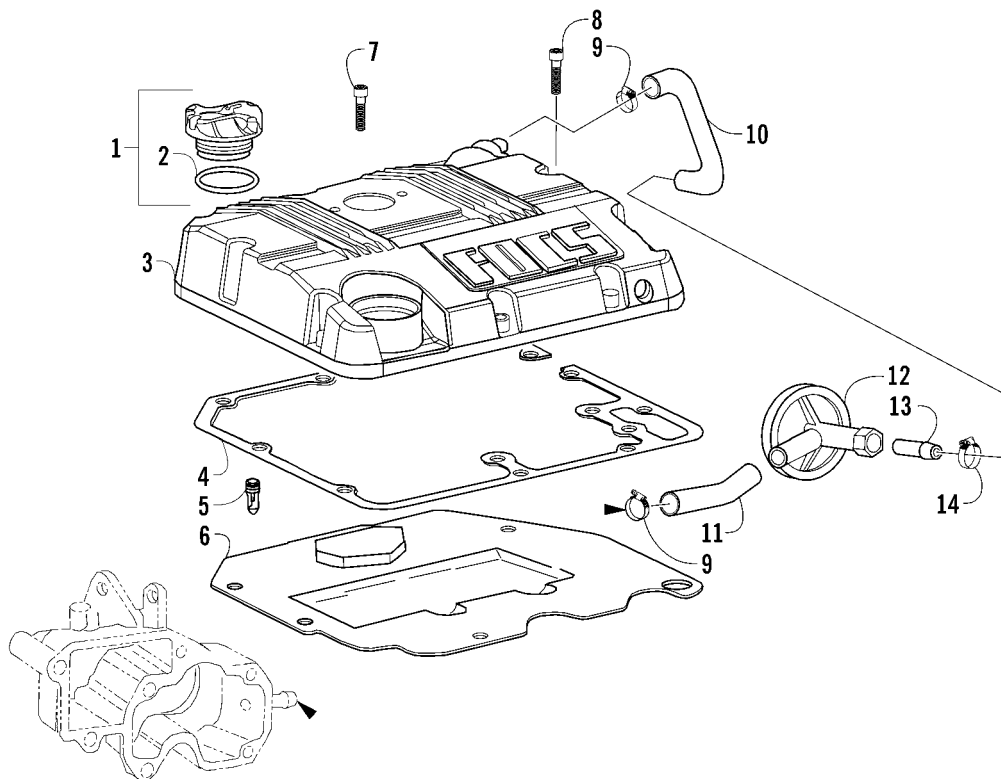
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-046</u>	1	Crankcase (inc. 2-6, two No. 7, and 8)	14	<u>3206-050</u>	2	Washer
2	*	1	● Housing - Front		<u>3206-051</u>	2	Washer (+0.10 mm)
3	*	1	● Housing - Center		<u>3206-052</u>	2	Washer (+0.20 mm)
4	*	1	● Housing - Rear	15	<u>3206-206</u>	1	Gasket
5	<u>3206-054</u>	4	● Gasket	16	<u>3206-207</u>	1	Plug
6	<u>3206-049</u>	6	● Screw	17	<u>3206-193</u>	1	Connector, Oil Filter
7	<u>3206-045</u>	4	● Sleeve	18	<u>3206-194</u>	1	Cartridge, Oil Filter
8	<u>3206-058</u>	1	● Pin, Tapered	19	<u>3206-090</u>	1	Flange, Engine (inc. 20-21)
9	<u>3206-053</u>	2	Pin, Lock	20	<u>3206-091</u>	1	● Ring
10	<u>3206-089</u>	1	Gasket	21	<u>3206-088</u>	6	● Screw
11	<u>3206-047</u>	1	Plug				
12	<u>3206-048</u>	2	Plug				
13	<u>3206-055</u>	3	Bearing				
	<u>3206-056</u>	3	Bearing (-0.25 mm)				
	<u>3206-057</u>	3	Bearing (-0.50 mm)				



CYLINDER HEAD AND PRECOMBUSTION CHAMBER ASSEMBLY

0741-814

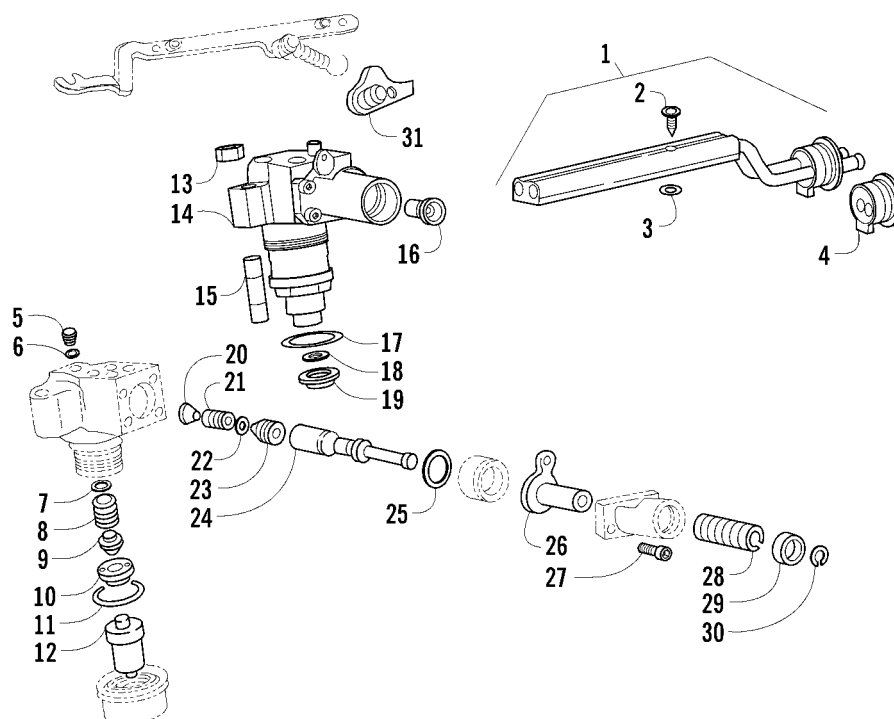
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-063	1	Cylinder Head (inc. 2-14)	13	3206-152	4	● Retainer, Valve
2	3206-065	1	● Plug	14	3206-072	2	● Seat, Intake Valve
3	3206-148	4	● Retainer	15	3206-066	6	Screw
4	3206-147	4	● Spring, Valve	16	3206-064	6	Washer
5	3206-149	4	● Washer	17	3206-069	1	Gasket, Head - 1.56-1.64 (1 small hole)
6	3206-076	1	● O-Ring		3206-070	1	Gasket, Head - 1.66-1.74 (2 small holes)
7	3206-275		● Plug		3206-071	1	Gasket, Head - 1.76-1.84 (3 small holes)
8	3206-074	1	● Retainer	18	3206-068	2	Chamber, Precombustion
9	3206-075	1	● Washer	19	3206-079	2	Spacer
10	3206-077	1	● Bolt	20	3206-067	2	Nut, Locking
11	3206-061	4	● Guide, Valve	21	3206-078	2	Bolt
	3206-062	4	● Guide, Valve (+0.50 mm)	22	3206-060	2	Brace, Lifting
12	3206-073	2	● Seat, Exhaust Valve				



ROCKER ARM COVER AND BREATHER SYSTEM ASSEMBLIES

0741-815

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-081	1	Cap, Oil Filler (inc. 2)	8	3206-082	8	Screw
2	3206-087	1	● O-Ring	9	3206-200	4	Clamp
3	3206-080	1	Cover, Rocker Arm	10	3206-205	1	Hose, Connection
4	3206-086	1	Gasket	11	3206-202	1	Hose, Drain
5	3206-084	1	Connection	12	3206-201	1	Valve, Suction
6	3206-085	1	Separator	13	3206-203	1	Tube, Valve
7	3206-083	2	Screw	14	3206-204	1	Clamp

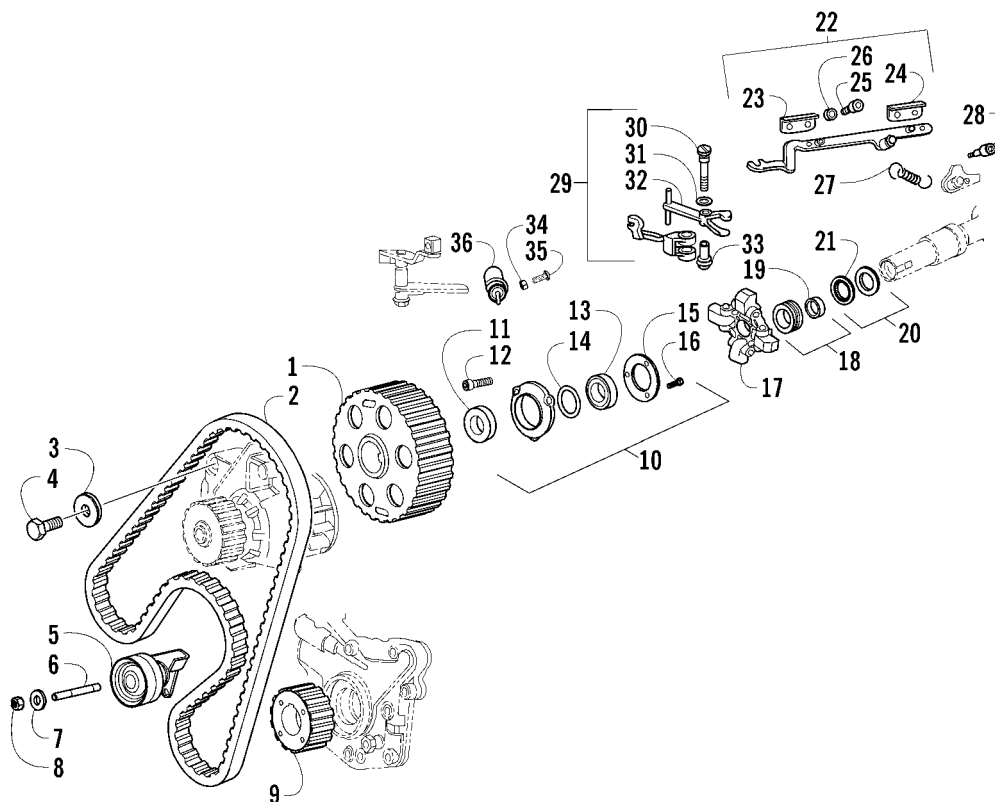


FUEL SYSTEM INJECTION PUMP ASSEMBLY

0741-817 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-092	1	Pipe, Delivery (inc. 2-4)	12	3206-123	2	Nozzle
2	3206-093	4	● Screw, Fit	13	3206-096	4	Nut
3	3206-095	4	● Seal, Ring	14	3206-102	2	Pump, Injection - Nozzle
4	3206-094	1	● Seal, Delivery Pipe	15	3206-097	4	Stud
5	3206-098	2	Valve, Bleed	16	3206-133	2	Tappet
6	3206-126	2	Gasket	17	3206-122	2	O-Ring
7	3206-103	2	Spacer - 2.00	18	3206-124	2	Gasket, Copper
	3206-104	2	Spacer - 1.90	19	3206-059	2	Arrester, Spark
	3206-105	2	Spacer - 1.80	20	3206-116	2	Filler
	3206-106	2	Spacer - 1.70	21	3206-099	2	Spring, Delivery Valve
	3206-107	2	Spacer - 1.60	22	3206-117	2	Gasket, Valve
	3206-108	2	Spacer - 1.50	23	3206-100	2	Valve, Delivery
	3206-109	2	Spacer - 1.40	24	*	1	Plunger, Injection
	3206-110	2	Spacer - 1.30	25	3206-118	1	O-Ring
	3206-111	2	Spacer - 1.20	26	3206-119	2	Sleeve
	3206-112	2	Spacer - 1.10	27	3206-120	8	Screw
	3206-113	2	Spacer - 1.00	28	3206-101	2	Spring, Tappet
8	*	1	Spring, Pressure	29	*	1	Push Rod
9	3206-114	2	Drive Rod	30	3206-121	2	Circlip
10	3206-115	2	Spacer	31	3206-127	1	Plate, Locking
11	3206-125	2	O-Ring				

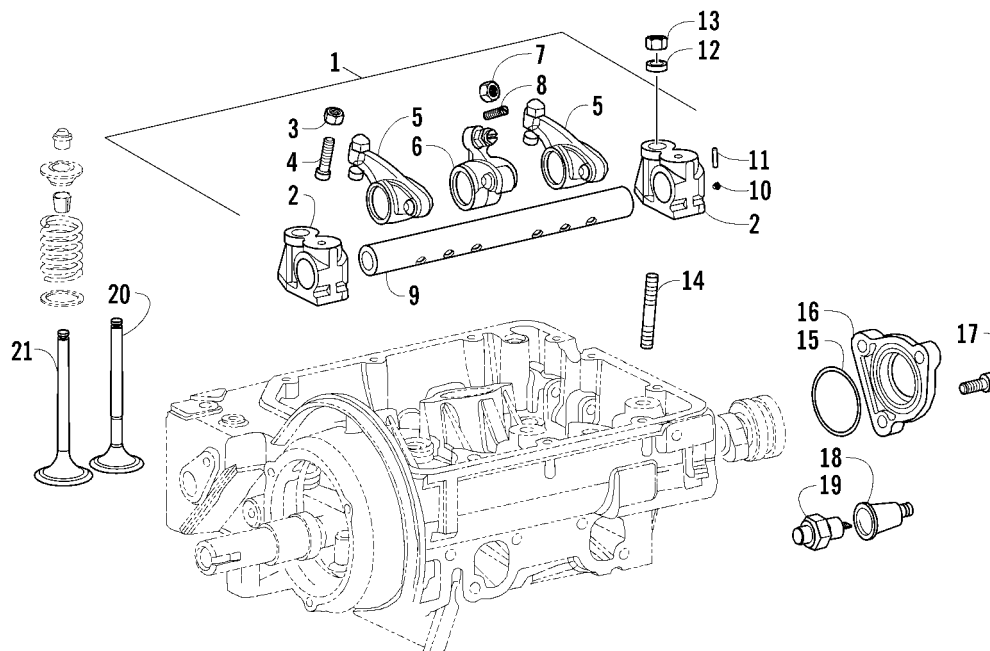
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CAM PULLEYS, TIMING BELT, AND SPEED GOVERNOR ASSEMBLY

0741-816

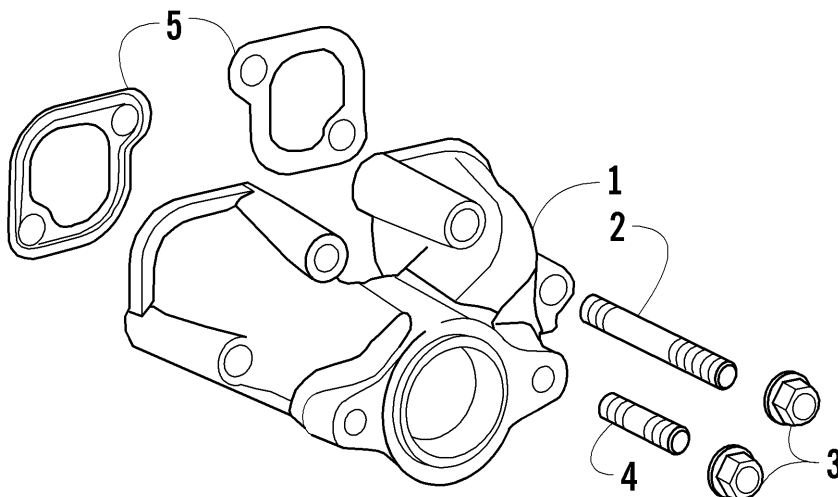
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-153	1	Pulley, Cam Driven	19	3206-216	1	● Sleeve
2	3206-154	1	Belt, Timing	20	3206-217	1	Roller, Thrust (inc. 21)
3	3206-156	1	Washer	21	3206-215	1	● Washer, Thrust
4	3206-155	1	Screw	22	3206-218	1	Rail, Injection Pump (inc. 23-26)
5	3206-159	1	Pulley	23	3206-220	1	● Plate
6	3206-158	1	Stud	24	3206-219	1	● Plate
7	3206-157	1	Washer	25	3206-221	2	● Screw
8	3206-142	1	Nut	26	3206-223	2	● Washer
9	3206-160	1	Pulley, Cam Drive	27	3206-222	1	Spring, Fuel - Extra
10	3206-209	1	Camshaft Support (inc. 11-16)	28	3206-225	2	Screw
11	3206-208	1	● Ring, Seal	29	3206-228	1	Lever, Governor - Assembly (inc. 30-33)
12	3206-088	3	● Screw	30	3206-224	1	● Pin, Lever
13	3206-211	1	● Bearing, Ball	31	3206-226	1	● Seal
14	3206-210	1	● Seal, Oil	32	3206-229	1	● Sleeve
15	3206-212	1	● Plate	33	3206-227	1	● Journal
16	3206-166	3	● Screw	34	3206-232	1	Nut
17	3206-213	1	Flyweight Assembly	35	3206-231	1	Screw
18	3206-214	1	Sleeve, Control (inc. 19)	36	3206-230	1	Device, Min-Max



ROCKER ARM, VALVES, AND OIL SWITCH ASSEMBLIES

0741-819

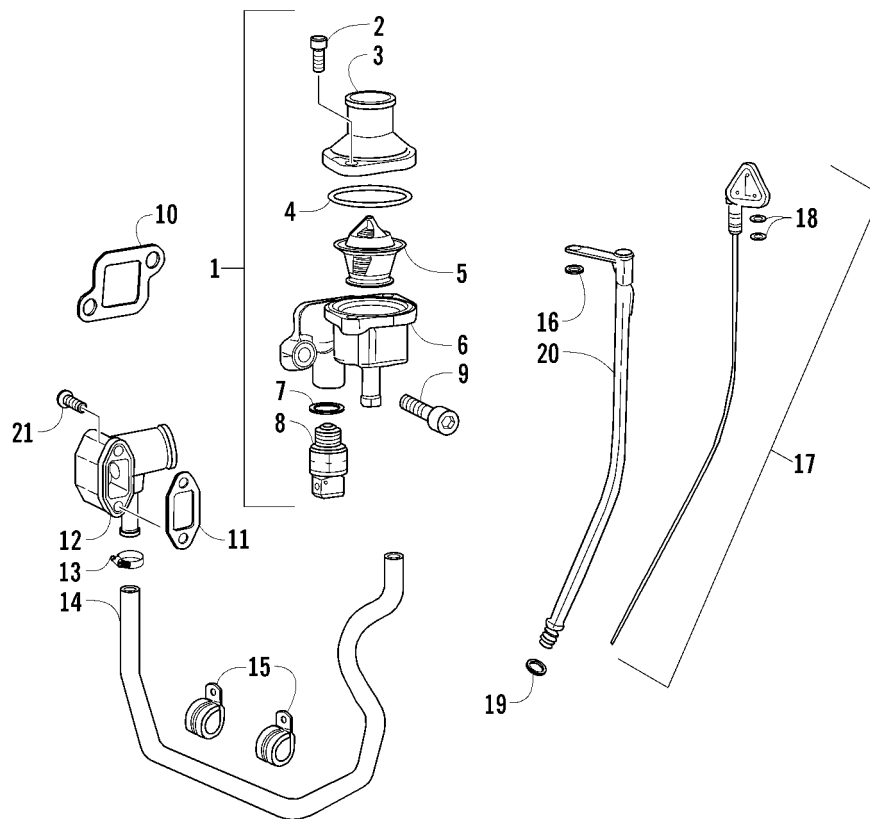
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-135	1	Arm, Rocker - Assembly (inc. 2-11)	12	3206-064	3	Washer
2	3206-141	2	● Support	13	3206-142	3	Nut
3	3206-137	4	● Nut	14	3206-143	3	Stud, Bolt
4	3206-136	4	● Screw	15	3206-313	1	O-Ring
5	3206-134	4	● Arm, Rocker - Intake/Exhaust	16	3206-314	1	Cover
6	3206-140	2	● Arm, Rocker - Injection Pump	17	3206-082	3	Screw
7	3206-139	2	● Nut	18	3206-305	1	Elbow, Pipe
8	3206-138	2	● Screw	19	3206-304	1	Switch, Oil
9	3206-144	1	● Shaft, Rocker Arm	20	3206-150	2	Valve, Exhaust
10	3206-146	2	● Plug	21	3206-151	2	Valve, Intake
11	3206-145	1	● Pin, Lock				



EXHAUST MANIFOLD ASSEMBLY

0741-821

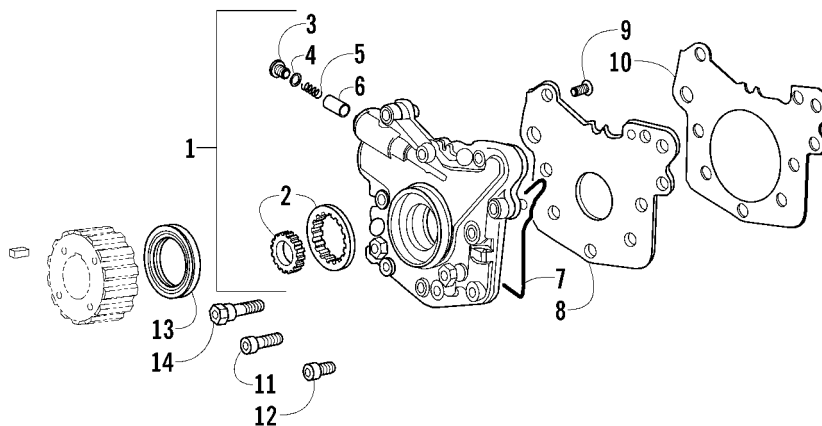
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-294</u>	1	Manifold, Exhaust	4	<u>3206-297</u>	2	Stud
2	<u>3206-292</u>	4	Stud	5	<u>3206-291</u>	2	Gasket, Exhaust Manifold
3	<u>3206-293</u>	6	Nut				



THERMOSTAT, WATER INLET FLANGE, AND OIL LEVEL STICK ASSEMBLIES

0741-822

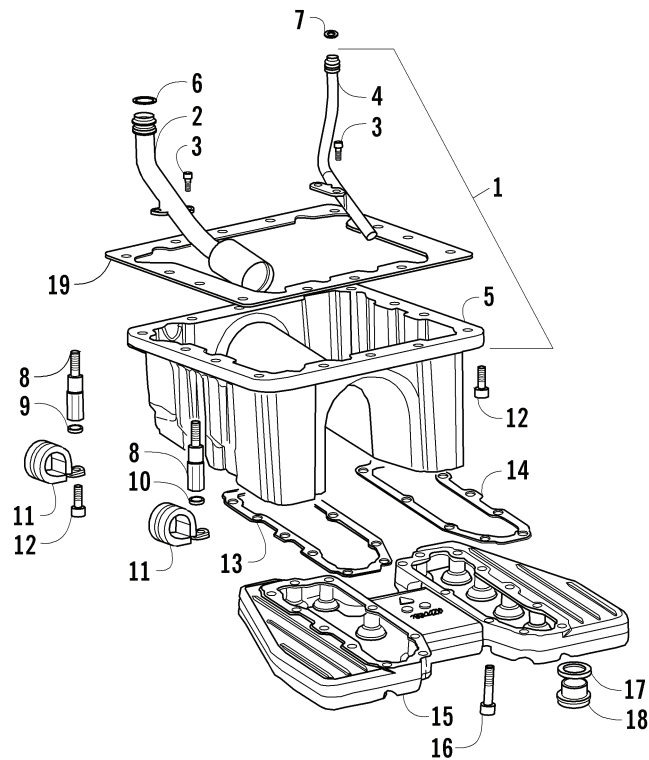
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-262	1	Thermostat - Assembly (inc. 2-8)	12	3206-269	1	Flange
2	3206-169	2	● Screw	13	3206-200	2	Clamp
3	3206-259	1	● Cover, Thermostat	14	0410-111	1	Hose
4	3206-260	1	● O-Ring	15	3206-190	2	Clamp
5	3206-261	1	● Thermostat	16	3206-199	1	Washer
6	3206-263	1	● Body, Thermostat - Assembly	17	3206-197	1	Stick, Oil Level (inc. 18)
7	3206-206	1	● Gasket	18	3206-198	2	● Seal
8	3206-265	1	● ECT Switch/Thermistor	19	3206-195	1	O-Ring
9	3206-266	2	Screw	20	3206-196	1	Guard, Oil Level Stick
10	3206-264	1	Gasket	21	3206-267	2	Screw
11	3206-268	1	Gasket				



OIL PUMP ASSEMBLY

0741-823 *Not a Service Part

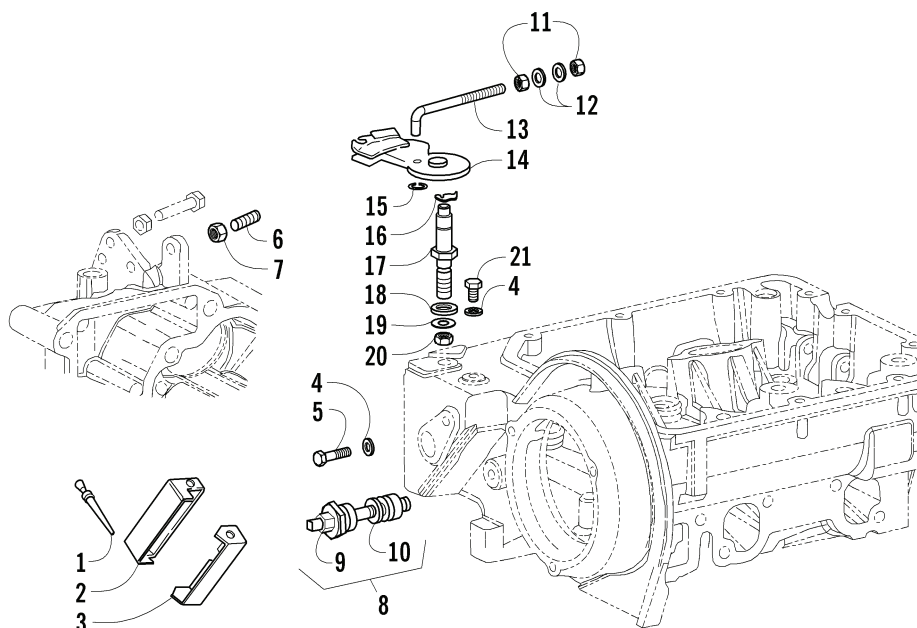
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-171	1	Pump, Oil (inc. 2-10)	8	*	1	● Plate
2	3206-167	1	● Rotors, Oil Pump	9	3206-166	3	● Screw
3	3206-163	1	● Plug	10	3206-173	1	● Gasket
4	3206-162	1	● Gasket	11	3206-168	1	Bolt
5	3206-164	1	● Spring, Pressure Valve	12	3206-169	6	Screw
6	3206-165	1	● Rod, Drive	13	3206-161	1	Ring, Seal
7	3206-172	1	● O-Ring	14	3206-174	2	Screw



OIL PAN ASSEMBLY

0741-824 *Not a Service Part

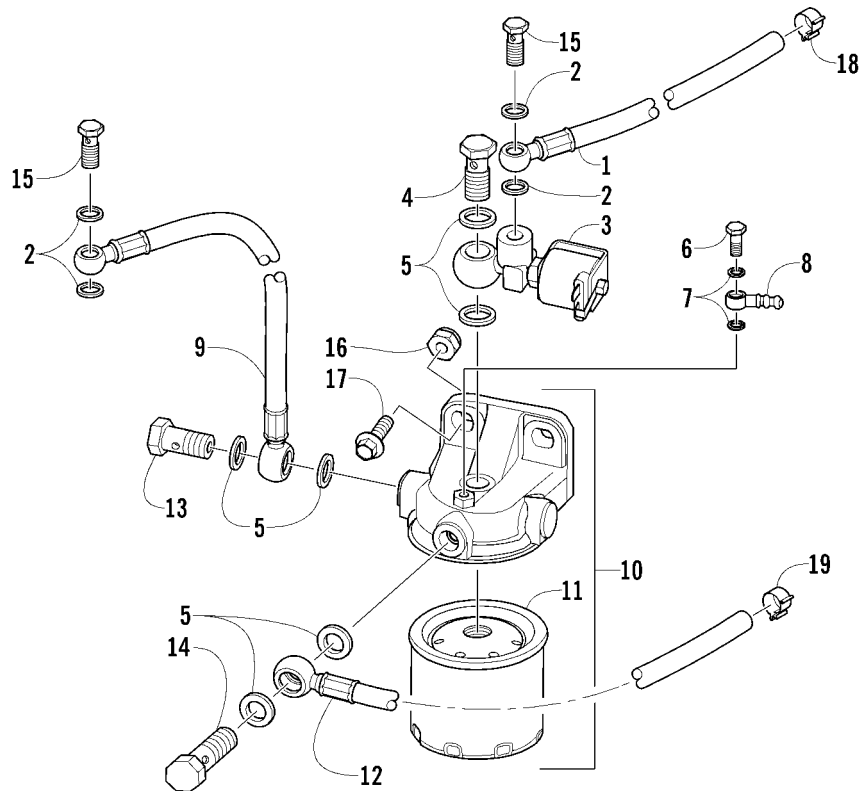
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-179</u>	1	Pan, Oil - Assembly (inc. 2-5)	11	<u>3206-190</u>	2	Clamp
2	*	1	● Pipe, Oil - Intake	12	<u>3206-088</u>	20	Screw
3	<u>3206-183</u>	4	● Screw	13	<u>3206-186</u>	1	Gasket
4	*	1	● Pipe, Oil - Return	14	<u>3206-187</u>	1	Gasket
5	*	1	● Pan, Oil	15	<u>3206-188</u>	1	Cover, Oil Pan
6	<u>3206-176</u>	1	Seal, Oil	16	<u>3206-189</u>	20	Screw
7	<u>3206-177</u>	1	Seal, Oil	17	<u>3206-181</u>	1	Gasket, Copper
8	<u>3206-178</u>	2	Stud, Hollow	18	<u>3206-182</u>	1	Plug
9	<u>3206-192</u>	1	Washer	19	<u>3206-175</u>	1	Gasket
10	<u>3206-191</u>	1	Washer				



THROTTLE CONTROL AND LOCKED TORQUE DEVICE ASSEMBLIES

0741-825 *Not a Service Part

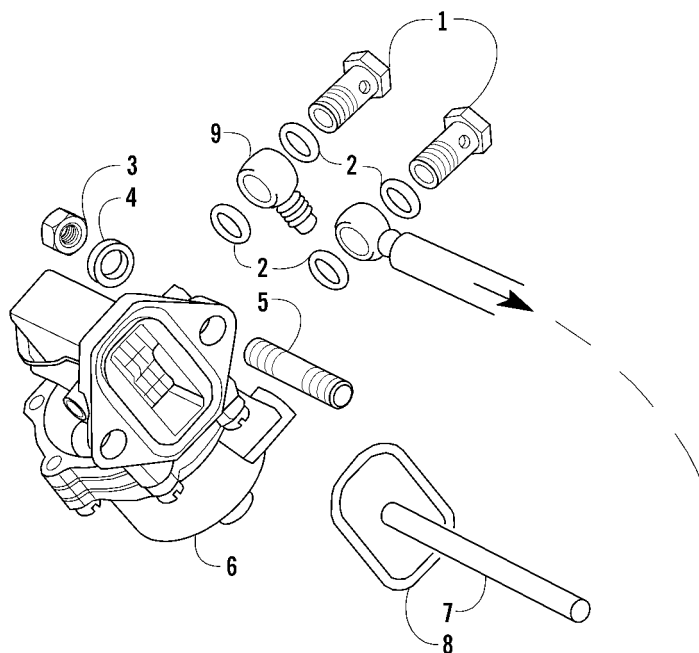
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-247</u>	3	Nail	12	<u>3206-238</u>	2	Washer
2	<u>3206-251</u>	1	Plate, Safety	13	<u>3206-239</u>	1	Rod, Tie
3	<u>3206-250</u>	1	Plate, Safety	14	<u>3206-241</u>	1	Lever, Throttle Control
4	<u>3206-007</u>	2	Gasket, Copper	15	<u>3206-242</u>	1	Circlip
5	<u>3206-252</u>	1	Bolt	16	<u>3206-243</u>	1	Circlip
6	<u>3206-249</u>	1	Screw	17	<u>3206-244</u>	1	Pin
7	<u>3206-248</u>	1	Nut	18	<u>3206-253</u>	1	Washer
8	<u>3206-236</u>	1	Device, Locked Torque (inc. 9-10)	19	<u>3206-246</u>	1	Seal, Oil
9	*	1	● Nut	20	<u>3206-245</u>	1	Nut
10	<u>3206-235</u>	1	● Gasket	21	<u>3206-240</u>	2	Bolt
11	<u>3206-237</u>	2	Nut				



FUEL FILTER, ELECTRO-VALVE, AND HOSES ASSEMBLY

0741-826

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-014	1	Hose, Fuel	11	3206-012	1	● Fuel Filter
2	3206-010	4	Washer, Crush	12	3206-013	1	Hose, Fuel
3	3206-002	1	Electro-Valve	13	3206-011	1	Bolt, Banjo-Fitting
4	3206-003	1	Cap, Filler	14	3206-005	1	Bolt, Banjo-Fitting w/Valve
5	3206-004	6	Washer, Crush	15	3206-009	2	Bolt, Banjo-Fitting
6	3206-006	1	Bolt, Banjo-Fitting	16	8432-802	2	Nut, Lock
7	3206-007	2	Gasket	17	8408-825	2	Screw, Cap
8	3206-008	1	Banjo-Fitting	18	0124-045	1	Clamp, Hose
9	3206-015	1	Hose, Fuel	19	0423-670	1	Clamp, Hose
10	3206-001	1	Fuel Filter - Assembly (inc. 11)				

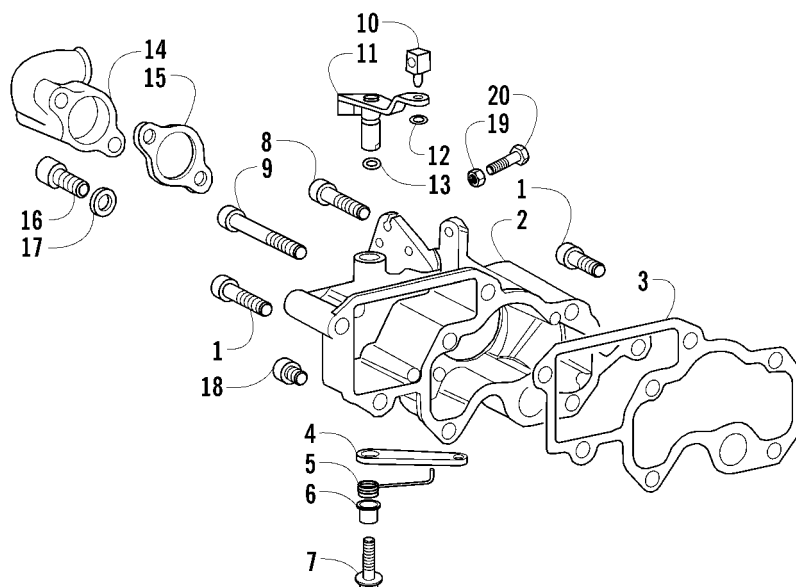


FUEL FEED PUMP AND PUSH ROD ASSEMBLIES

0741-841

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-009</u>	2	Bolt, Banjo-Fitting	6	<u>3206-255</u>	1	Pump
2	<u>3206-010</u>	4	Washer, Crush	7	<u>3206-257</u>	1	Rod, Push
3	<u>3206-245</u>	2	Nut	8	<u>3206-256</u>	1	O-Ring
4	<u>3206-234</u>	2	Washer	9	<u>3206-258</u>	1	Banjo-Fitting
5	<u>3206-254</u>	2	Stud				

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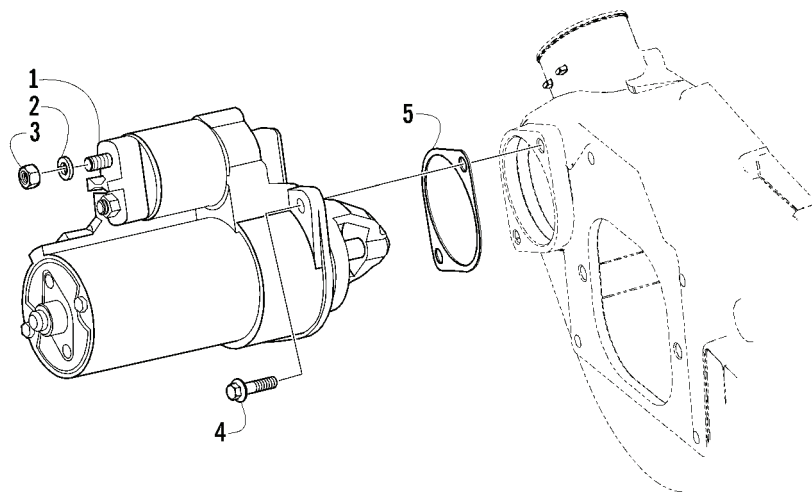


INTAKE MANIFOLD AND THROTTLE CONTROL ASSEMBLY

0741-832

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-276	3	Screw	11	3206-287	1	Lever, External
2	3206-278	1	Manifold, Intake	12	3206-242	1	Circlip
3	3206-277	1	Gasket, Intake Manifold	13	3206-281	1	O-Ring
4	3206-286	1	Lever, Internal	14	3206-290	1	Flange, Intake
5	3206-283	1	Spring, Recovery	15	3206-289	1	Gasket
6	3206-284	1	Sleeve	16	3206-169	2	Screw
7	3206-285	1	Screw	17	3206-234	2	Washer
8	3206-280	1	Screw	18	3206-266	4	Screw
9	3206-279	1	Screw	19	3206-137	1	Nut
10	3206-288	1	Pin	20	3206-282	1	Bolt

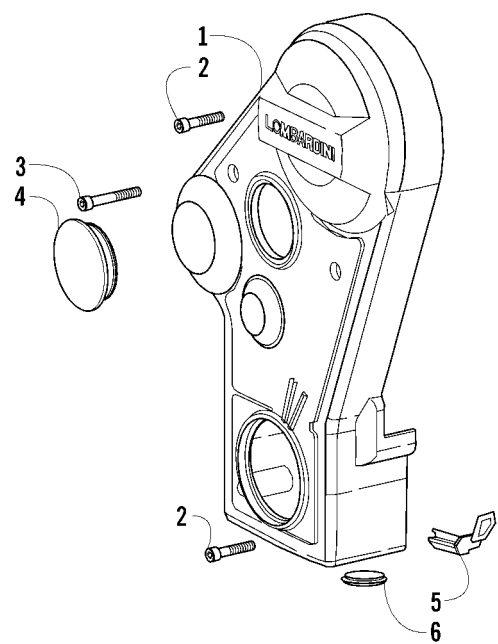
50



STARTER MOTOR ASSEMBLY

0741-838R

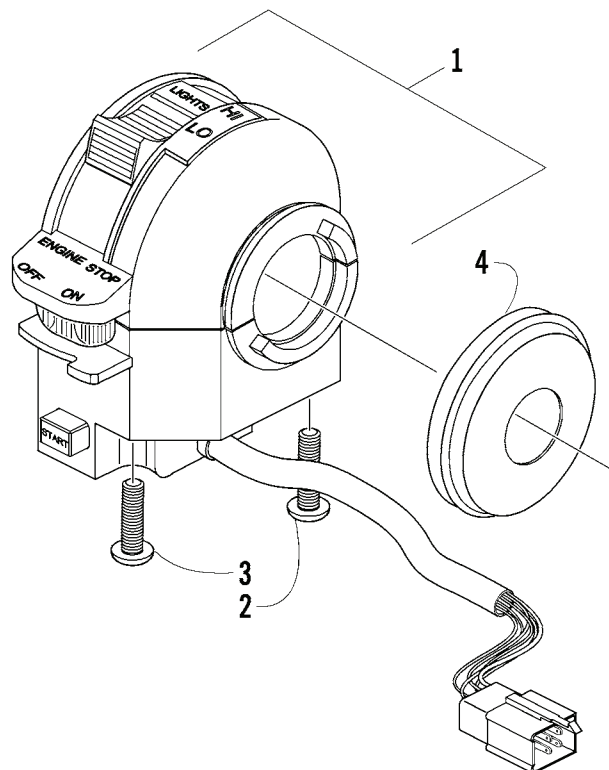
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-319</u>	1	Motor, Starter	4	8409-030	1	Screw, Flange Head
2	<u>3206-322</u>	1	Washer, Lock	5	1402-525	1	Gasket
3	<u>3206-321</u>	1	Nut				



BELT GUARD ASSEMBLY

0741-840

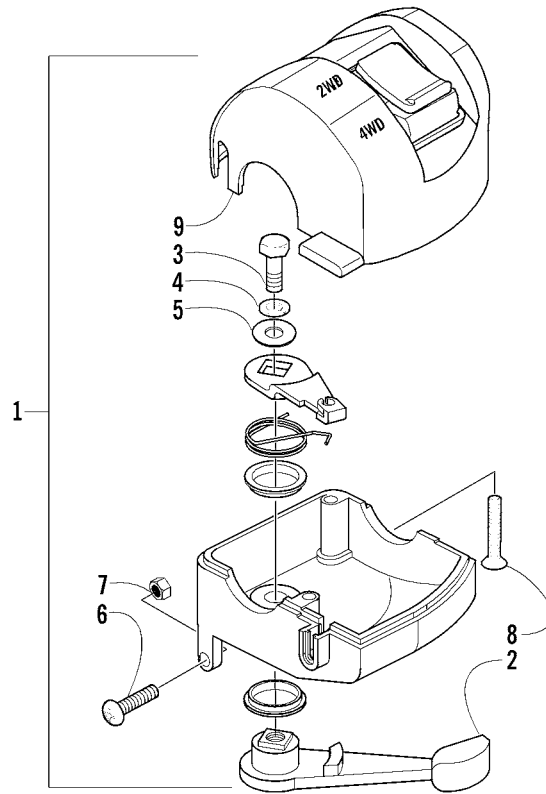
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-315	1	Guard, Belt	4	3206-318	1	Cap
2	3206-043	3	Screw	5	3206-317	1	Gasket
3	3206-189	1	Screw	6	3206-316	1	Plug



CONTROL SWITCH HOUSING ASSEMBLY

0738-416

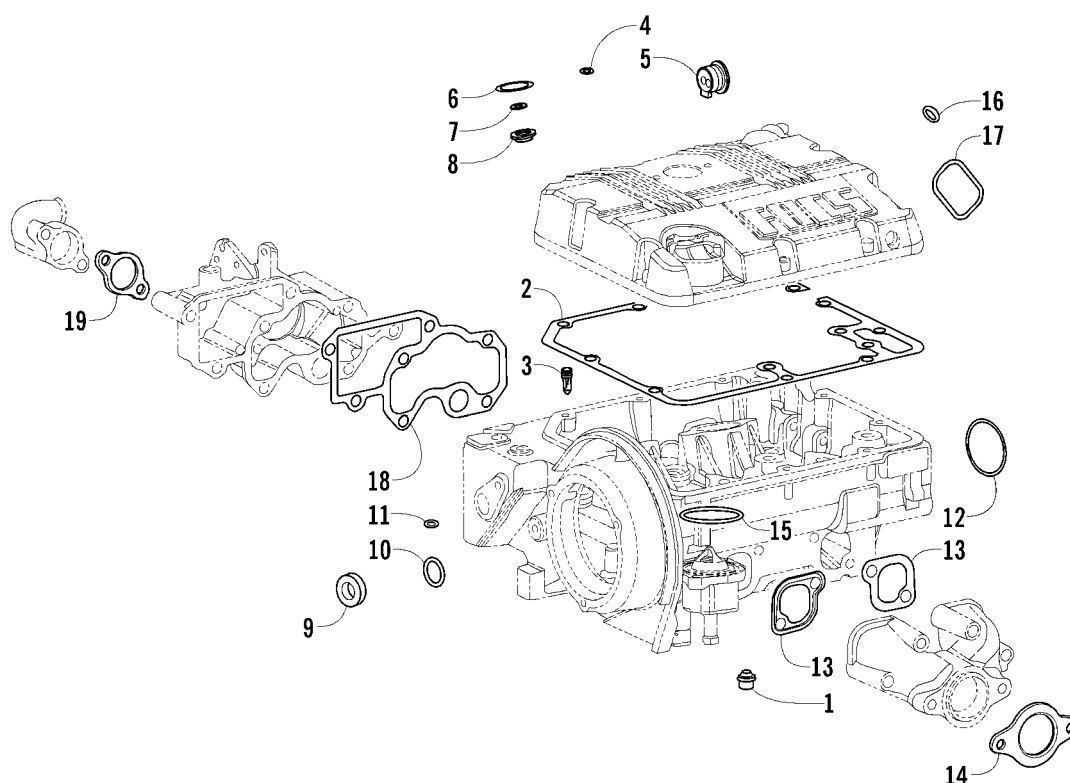
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0409-083</u>	1	Switch, Control - Assembly (inc. 2-3)	3	0409-028	1	● Screw, Machine
2	3423-196	1	● Screw, Machine	4	3409-019	1	Cover, Switch Housing



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				

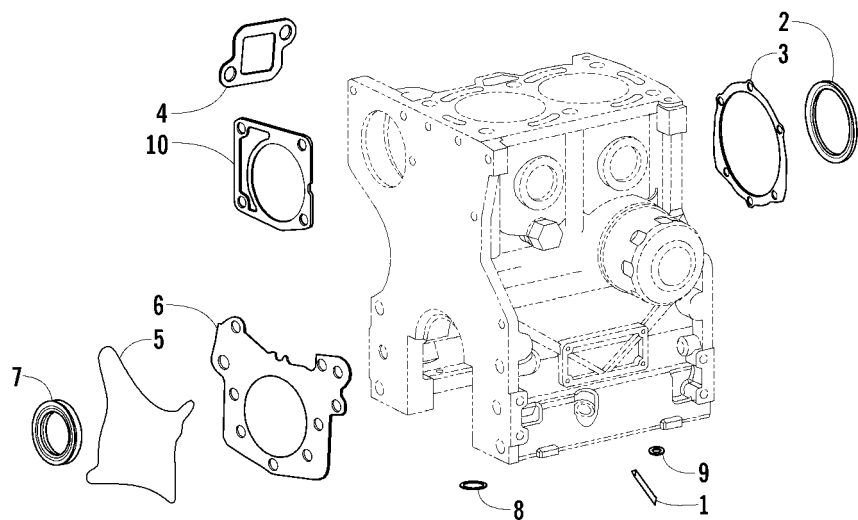


TOP END GASKET SET ASSEMBLY

(Top End Gasket Set p/n 3206-328)

0742-255

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3206-152</u>	4	Retainer, Valve - Cylinder Head	11	<u>3206-226</u>	1	Seal, Governor Lever
2	<u>3206-086</u>	1	Gasket, Rocker Arm Cover	12	<u>3206-313</u>	1	O-Ring, Cylinder Head Flange
3	<u>3206-084</u>	1	Connection, Rocker Arm Cover	13	<u>3206-291</u>	2	Gasket, Exhaust Manifold
4	<u>3206-095</u>	4	Seal, Ring - Delivery Pipe	14	<u>3206-296</u>	1	Gasket, Exhaust
5	<u>3206-094</u>	1	Seal, Delivery Pipe	15	<u>3206-260</u>	1	O-Ring, Thermostat
6	<u>3206-122</u>	2	O-Ring, Injection Nozzle	16	<u>3206-010</u>	4	Washer, Crush
7	<u>3206-124</u>	2	Gasket, Copper - Injection Nozzle	17	<u>3206-256</u>	1	O-Ring, Fuel Feed Pump
8	<u>3206-059</u>	2	Arrester, Spark - Injection Nozzle	18	<u>3206-277</u>	1	Gasket, Intake Manifold
9	<u>3206-208</u>	1	Ring, Seal - Governor Cover	19	<u>3206-289</u>	1	Gasket, Intake Flange
10	<u>3206-210</u>	1	Seal, Oil - Governor Cover				



BOTTOM END GASKET SET ASSEMBLY

(Bottom End Gasket Set p/n 3206-329)

0742-254

Ref. Part No. Qty. Description				Ref. Part No. Qty. Description			
1	<u>3206-054</u>	4	Gasket, Crankcase	6	<u>3206-173</u>	1	Gasket, Oil Pump
2	<u>3206-091</u>	1	Ring, Engine Flange	7	<u>3206-161</u>	1	Ring, Seal - Oil Pump
3	<u>3206-089</u>	1	Gasket, Engine Flange	8	<u>3206-176</u>	1	Seal, Oil - Oil Pan
4	<u>3206-264</u>	1	Gasket, Thermostat	9	<u>3206-177</u>	1	Seal, Oil - Oil Pan
5	<u>3206-172</u>	1	O-Ring, Oil Pump	10	<u>3206-272</u>	1	Gasket, Water Pump

RELATED ITEMS

2007 ATV 700 Diesel

Red (Model No. A2007TBT4DUSR)

Green (Model No. A2007TBT4DUSG)

Green - International (Model No. A2007TBT4DOSG)

0436-925	Bag, Rack, Front, Black	0436-635	Plow Attachment Kit
0436-480	Bar, Utility	0436-228	Plow Blade, 50 in. - Straight
0436-619	Brush Guard/Bumper - Deluxe	0436-287	Plow Blade, 50 in. - One-Way
0436-794	Bumper - Rear	0436-296	Plow Blade, 60 in. - Straight
0436-827	Cargo Box	0436-360	Plow Blade, 60 in. - One-Way
0436-460	Carryall (11 x 17)	0436-636	Plow, Push Frame
0436-462	Carryall (10 D)	0436-626	Rack Basket
0436-726	Cover, Trailerable	0436-965	Saddlebag
0436-087	Electrical Plug		(with passenger seat attached)
0436-466	Fender Box	1436-028	Seat, Passenger
0436-538	Gear Cradle	0436-026	Tire Chains, Size B
0436-905	Grease, High-Performance		(24 in. and 25 in. Tires)
0436-828	Gun Holder	0436-027	Tire Chains, Size C
0436-352	Hand/Thumb Warmers		(25 in. and 26 in. Tires)
0436-463	Light Bar	1402-028	Tire, Titan AT589
0436-774	Lunch Pack, Black		(25x8-12, Mud & Snow)
2257-970	Manual, Illustrated Parts	0402-563	Tire, Titan AT589
2257-907	Manual, Operator's (E)		(25x10-12, Mud & Snow)
2257-920	Manuel d'utilisation (F)	0436-656	Winch Accessories Kit
0652-024	Paint, Metal - Black	0436-979	Windshield, Black

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

