

2008

700 DIESEL EFT



ILLUSTRATED PARTS MANUAL



MODEL NUMBER A2008TBT4DETI (RED)

MODEL NUMBER A2008TBT4DETM (GREEN)

(VADA7D4AV80X10001 - VADA7D4AV80X10493)

ARCTIC CAT[®]
MORE TO GO ON.[™]

TABLE OF CONTENTS

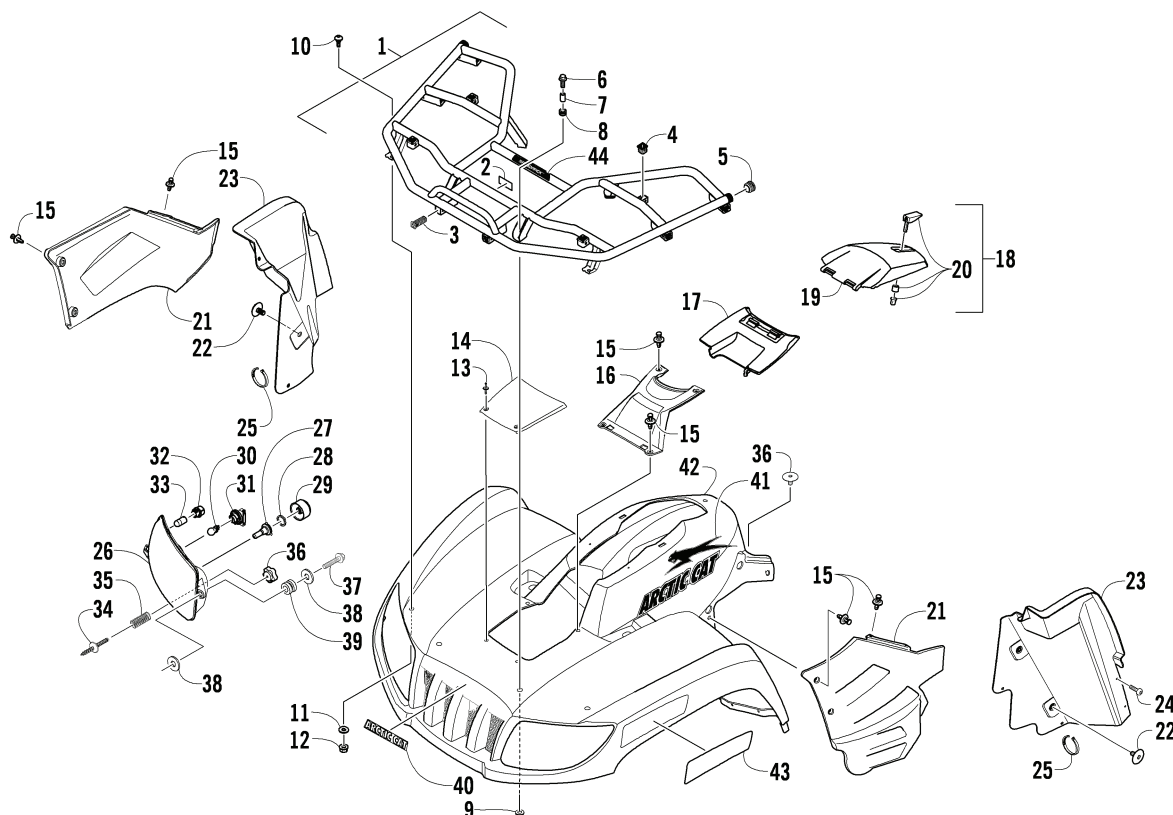
2008 ATV 700 Diesel EFT

Red (Model No. A2008TBT4DETI)

Green (Model No. A2008TBT4DETM)

FRONT RACK AND HEADLIGHT ASSEMBLIES	1
REAR RACK AND FOOTWELL ASSEMBLIES	2
FRAME AND RELATED PARTS	3
WINCH ASSEMBLY	4
LICENSE PLATE HOLDER ASSEMBLY	5
SEAT AND BACKREST ASSEMBLY	6
STEERING POST ASSEMBLY	7
HANDLEBAR ASSEMBLY	8
FRONT SUSPENSION ASSEMBLY	9
REAR SUSPENSION ASSEMBLY	10
WHEEL AND TIRE ASSEMBLY	11
AUXILIARY BRAKE ASSEMBLY	12
PARKING BRAKE ASSEMBLY	13
HYDRAULIC HAND BRAKE ASSEMBLY	14
HYDRAULIC BRAKE ASSEMBLY	15
FUEL TANK ASSEMBLY	16
SHIFT LEVER ASSEMBLY	17
AIR INTAKE ASSEMBLY	18
BATTERY ASSEMBLY	19
ENGINE AND EXHAUST	20
COOLING ASSEMBLY	21
CASE/BELT COOLING ASSEMBLY	22
DRIVE TRAIN ASSEMBLY	23
FRONT DRIVE GEARCASE ASSEMBLY	24
REAR DRIVE GEARCASE ASSEMBLY	25
WIRING HARNESS ASSEMBLY	26
CLUTCHES AND V-BELT ASSEMBLIES	27
TRANSMISSION RIGHT-SIDE ASSEMBLY	28
TRANSMISSION LEFT-SIDE ASSEMBLY	29,30
CRANKSHAFT ASSEMBLY	31
PISTON SET AND CONNECTING ROD ASSEMBLY	32
FLYWHEEL AND CROWN GEAR ASSEMBLY	33
DRIVE PULLEY AND ALTERNATOR BELT ASSEMBLY	34
CRANKCASE, CRANKSHAFT SUPPORT, AND OIL FILTER ASSEMBLIES	35
CYLINDER HEAD AND PRECOMBUSTION CHAMBER ASSEMBLY	36
PTO VACUUM PUMP ASSEMBLY	37
ROCKER ARM COVER AND BREATHER SYSTEM ASSEMBLIES	38
FUEL SYSTEM INJECTION PUMP ASSEMBLY	39
CAMSHAFT AND FUEL PUMP DRIVE ECCENTRIC	40
CAM PULLEYS, TIMING BELT, AND SPEED GOVERNOR ASSEMBLY	41
ROCKER ARM, VALVES, AND OIL SWITCH ASSEMBLIES	42
EXHAUST MANIFOLD ASSEMBLY	43
EGR SYSTEM ASSEMBLY	44
THERMOSTAT, WATER INLET FLANGE, AND OIL LEVEL STICK ASSEMBLIES	45
OIL PUMP ASSEMBLY	46
OIL PAN ASSEMBLY	47
THROTTLE CONTROL AND LOCKED TORQUE DEVICE ASSEMBLIES	48
FUEL FILTER, ELECTRO-VALVE, AND HOSES ASSEMBLY	49
FUEL FEED PUMP AND PUSH ROD ASSEMBLIES	50
WATER PUMP ASSEMBLY	51
INTAKE MANIFOLD AND THROTTLE CONTROL ASSEMBLY	52
EXTERNAL ALTERNATOR ASSEMBLY	53
STARTER MOTOR ASSEMBLY	54
BELT GUARD ASSEMBLY	55
CONTROL SWITCH HOUSING ASSEMBLY	56
THROTTLE CASE ASSEMBLY	57

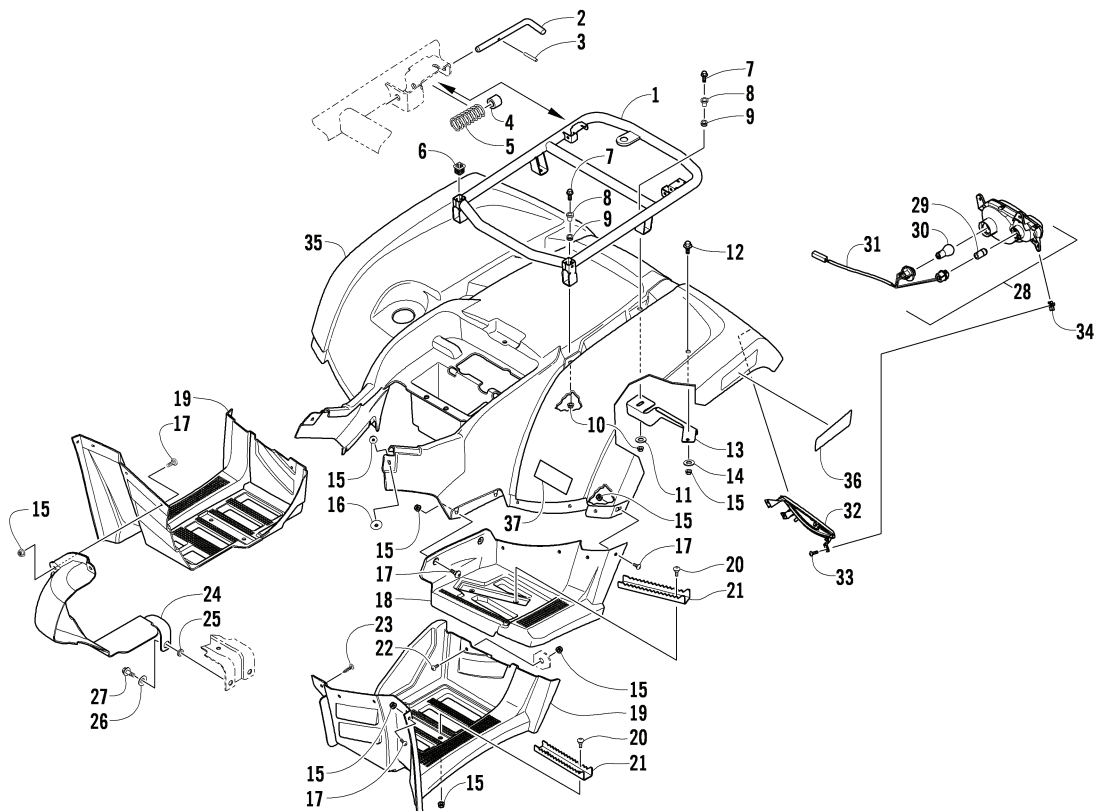
■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2008 model year. For a complete list of related items, refer to the current accessory catalog.



FRONT RACK AND HEADLIGHT ASSEMBLIES

0743-336

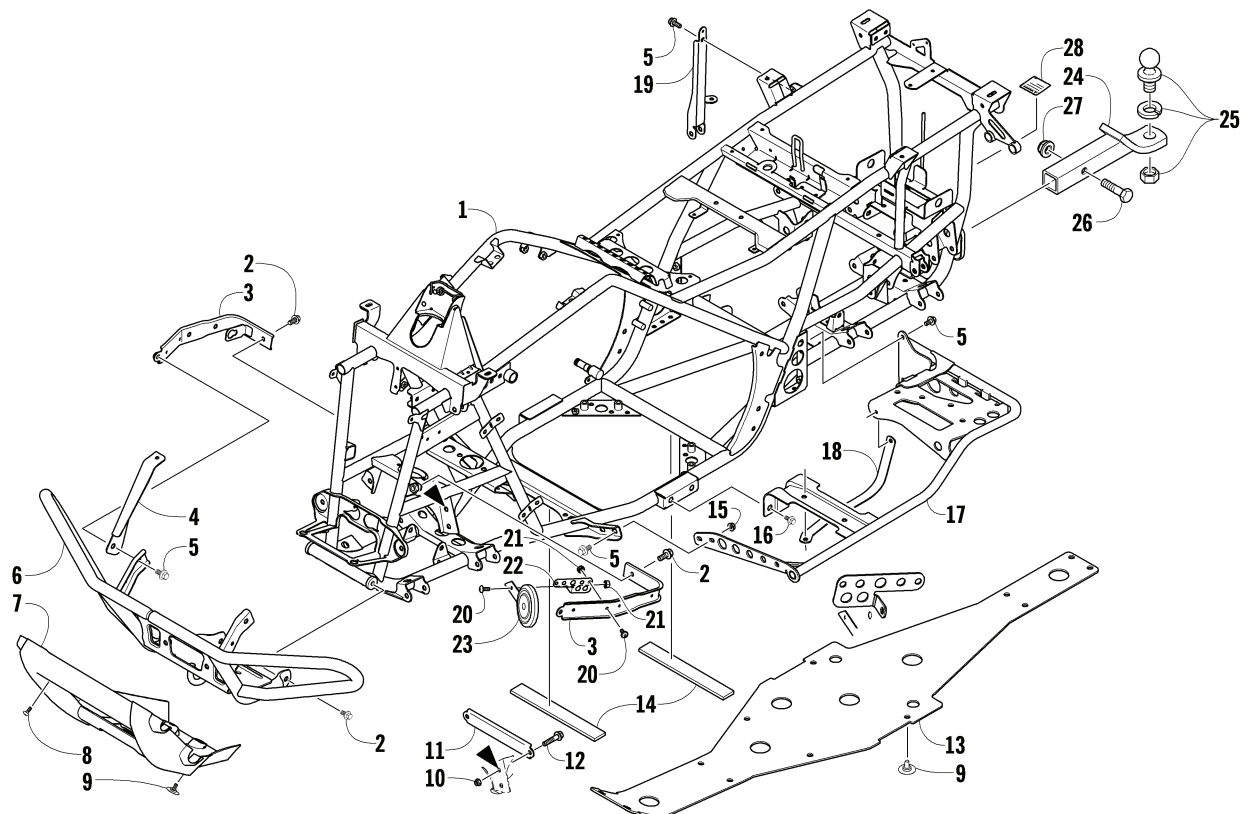
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0541-272	1	Rack - Front - Assembly (inc. 2-5)	24	0423-342	2	Screw, Self-Tapping
2	0411-576	1	● Decal, Warning - Front Rack Load	25	0123-788	AR	Tie, Cable - 7.5 in.
3	2406-014	6	● Bushing, Rack	26	0509-036	1	Headlight Assembly - Right (inc. 27-33)
4	0441-592	4	● Bushing, Rack	27	0509-037	1	Headlight Assembly - Left (inc. 27-33)
5	1441-049	2	● Plug, Rack	28	0409-096	2	● Bulb, Headlight
6	8410-830	4	Screw, Cap	29	0409-097	2	● Retainer, Spring
7	0423-669	4	Spacer	30	0409-098	2	● Boot, Rubber
8	0423-465	4	Grommet	31	0409-099	2	● Bulb, Turn Signal
9	8432-802	4	Nut, Lock	32	0409-100	2	● Socket, Turn Signal Bulb
10	0423-654	2	Screw, Shoulder	33	0409-102	2	● Socket, Position Bulb
11	8050-222	2	Washer	34	0409-101	2	● Bulb, Position
12	0423-540	2	Nut, Lock	35	0423-514	2	Stud, Adjuster - Headlight
13	0423-535	2	Rivet, Reinstallable	36	0423-522	2	Spring, Adjuster
14	1406-358	1	Cover, Access	37	0423-513	2	Knob, Adjuster
15	0623-362	12	Rivet, Reinstallable	38	0623-785	4	Screw, Self-Tapping
16	1406-484	1	Cover, Steering Post	39	8050-217	8	Washer
17	0470-513	1	Cover, Storage Box	40	0423-447	4	Grommet
18	2506-234	1	Lid, Storage Box w/Latch (inc. 19-20)	41	1411-725	1	Decal, Front
19	0470-514	1	● Lid, Storage Box	42	1411-634	1	Decal, Side - Upper Right
20	1406-599	1	● Latch, Storage Box	43	1411-635	1	Decal, Side - Upper Left
21	2406-404	1	Panel, Side - Lower - Right	44	2506-934	1	Panel, Fender - Front - Red
22	2406-405	1	Panel, Side - Lower - Left	45	2506-936	1	Panel, Fender - Front - Green (Green)
23	0423-101	5	Screw, Body	46	0411-818	1	Decal, Reflector - Right
	2506-434	1	Panel, Splash - Right	47	0411-819	1	Decal, Reflector - Left
	2506-383	1	Panel, Splash - Left	48	1411-050	1	Decal, "Speedrack"



REAR RACK AND FOOTWELL ASSEMBLIES

0743-337

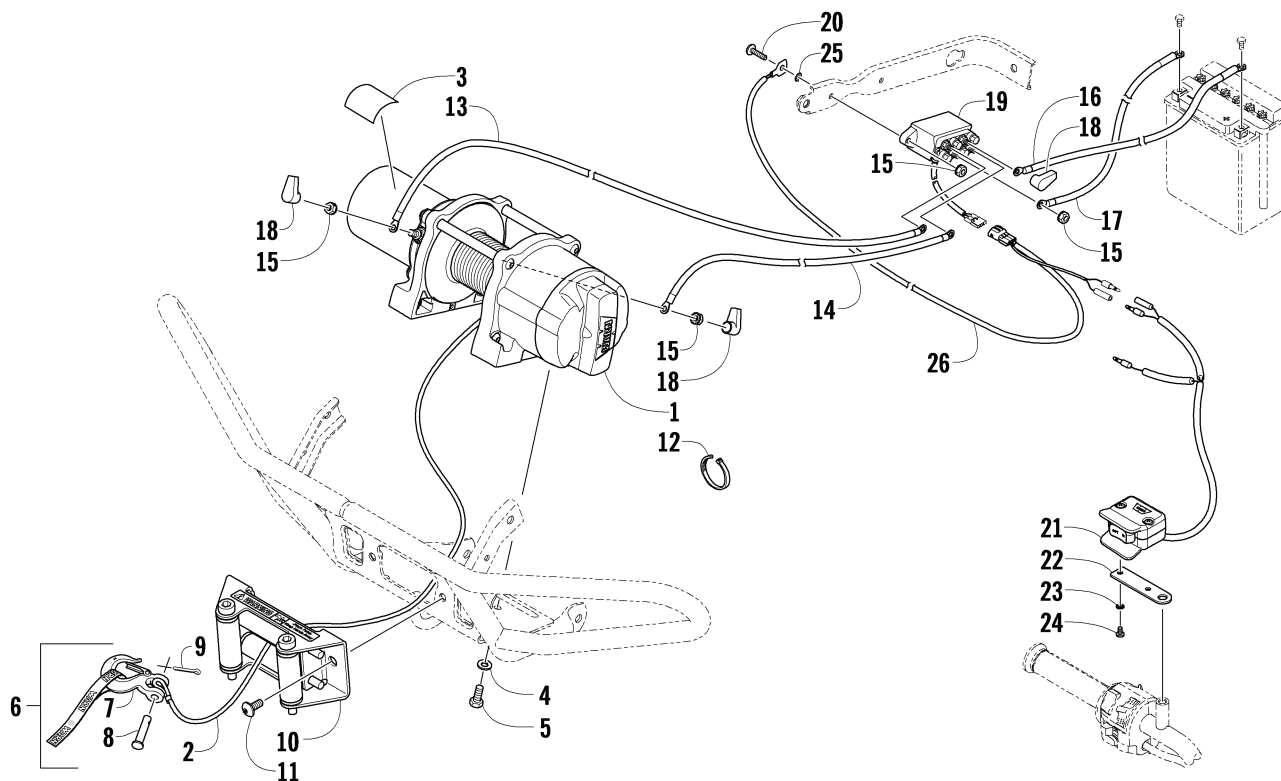
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2506-221	1	Rack - Rear - Assembly (inc. 2-6)	21	1506-125	4	Footpeg
2	0541-504	2	● Pin - Assembly (inc. 3-5)	22	8477-620	2	Screw, Machine
3	0423-635	2	●● Pin, Roll	23	0423-719	2	Screw, Self-Tapping
4	0423-677	2	●● Collar	24	2406-531	1	Panel, Splash
5	0423-636	2	●● Spring	25	0405-261	1	Bushing, Splash Panel
6	0441-592	4	● Bushing, Rack	26	8050-282	1	Washer
7	8410-835	4	Screw, Cap	27	8409-020	1	Screw, Cap
8	0423-669	4	Spacer	28	<u>3313-392</u>	1	Taillight Assembly - Right (inc. 29-31)
9	0423-465	4	Grommet		<u>3313-393</u>	1	Taillight Assembly - Left (inc. 29-31)
10	8432-802	4	Nut, Lock	29	<u>3313-506</u>	2	● Bulb, Turn Signal
11	0423-087	2	Washer	30	3303-849	2	● Bulb, Taillight
12	0423-654	2	Screw, Shoulder	31	<u>3313-509</u>	1	● Socket, Taillight - Assembly - Right
13	2506-092	1	Bracket, Rear Fender - Right		<u>3313-507</u>	1	● Socket, Taillight - Assembly - Left
	2506-093	1	Bracket, Rear Fender - Left	32	<u>0409-112</u>	1	Bezel, Taillight - Right
14	8050-222	2	Washer		<u>0409-113</u>	1	Bezel, Taillight - Left
15	0423-540	34	Nut, Lock	33	8476-516	6	Screw, Machine
16	0423-101	2	Screw, Body	34	3304-061	6	Nut, U-Clip
17	0423-419	20	Screw, Machine	35	<u>2506-952</u>	1	Panel, Fender - Rear - Red
18	2406-042	1	Footwell, Rear - Right		<u>2506-954</u>	1	Panel, Fender - Rear - Green (Green)
	2406-043	1	Footwell, Rear - Left	36	<u>1411-592</u>	1	Decal, Reflector - Rear - Right
19	2506-193	1	Footwell - Right		<u>1411-593</u>	1	Decal, Reflector - Rear - Left
	2406-471	1	Footwell - Left	37	0411-832	1	Decal, Warning - Tire Pressure
20	0423-355	8	Screw, Shoulder				



FRAME AND RELATED PARTS

0743-346

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-966</u>	1	Frame, Main	15	8424-802	4	Nut, Flange
2	8409-020	4	Screw, Cap	16	8409-016	3	Screw, Cap
3	<u>2506-813</u>	1	Channel, Bumper Mounting - Right	17	1506-848	1	Footrest - Right
	2506-285	1	Channel, Bumper Mounting - Left		1506-849	1	Footrest - Left
4	1506-562	1	Bracket, Mounting - Bumper - Right	18	2406-216	1	Strap, Footrest - Right
	1506-563	1	Bracket, Mounting - Bumper - Left		2406-217	1	Strap, Footrest - Left
5	8408-816	11	Screw, Cap	19	<u>2506-447</u>	1	Channel, Shock Support
6	1506-855	1	Bumper	20	8477-616	3	Screw, Machine
7	1406-360	1	Grille, Bumper	21	0623-038	3	Nut w/Washer
8	0423-419	2	Screw, Machine	22	2406-321	1	Bracket, Mounting - Horn
9	0423-101	12	Screw, Body	23	0430-053	1	Horn, Electric - 12V
10	0423-744	2	Nut, Lock	24	<u>0541-714</u>	1	Mount, Ball Hitch
11	1506-429	1	Brace, A-Arm	25	<u>0436-715</u>	1	Kit, Ball Hitch
12	8409-025	2	Screw, Cap	26	0423-693	1	Bolt
13	2406-253	1	Panel, Belly	27	0423-690	1	Nut, Lock
14	0406-289	2	Pad, Frame	28	1411-077	1	Decal, Warning - Towing



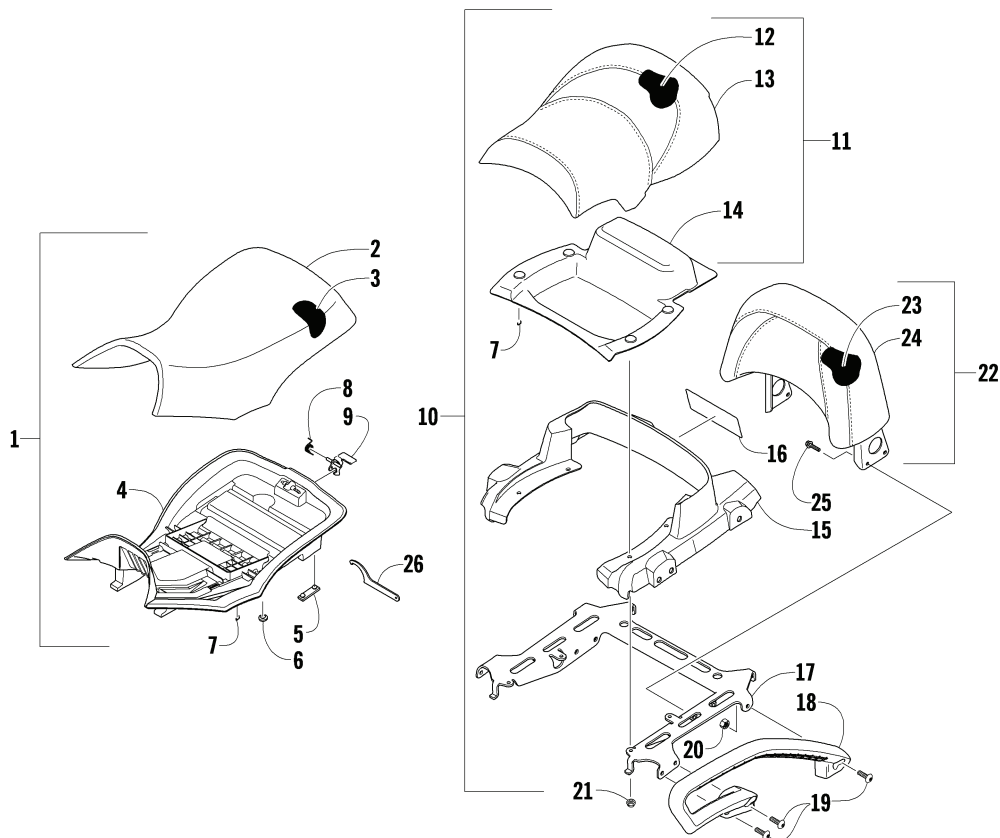
WINCH ASSEMBLY

0743-257

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1441-657</u>	1	Winch (inc. 2-3)	14	<u>0445-069</u>	1	Cable, Winch/Solenoid - Blue
2	0441-061	1	● Cable, Winch	15	0623-038	8	Nut w/Washer
3	<u>1411-826</u>	1	● Decal, Warning	16	1441-112	1	Cable, Solenoid/Battery - Black
4	8051-246	4	Washer, Lock	17	1441-113	1	Cable, Solenoid/Battery - Red
5	8408-820	4	Screw, Cap	18	0441-060	3	Boot, Terminal
6	0441-426	1	Hook, Winch w/Strap - Assembly (inc. 7-9)	19	0409-066	1	Solenoid
7	1441-131	1	● Hook, Winch w/Strap	20	8476-625	2	Screw, Machine
8	1441-130	1	● Pin	21	0505-552	1	Switch, Winch - Assembly (inc. 22-26)
9	1441-129	1	● Cotter Pin	22	0505-551	1	● Bracket, Winch Switch
10	0441-403	1	Roller, Winch	23	8050-093	2	● Washer, Lock - Internal Tooth
11	8468-820	2	Screw, Machine	24	8009-243	2	● Screw, Machine
12	0123-788	AR	Tie, Cable - 7.5 in.	25	0853-212	1	● Washer, Lock - External Tooth
13	<u>0445-068</u>	1	Cable, Winch/Solenoid - Yellow	26	0486-276	1	● Harness, Adapter - Solenoid

0743-236 *Not a Service Part

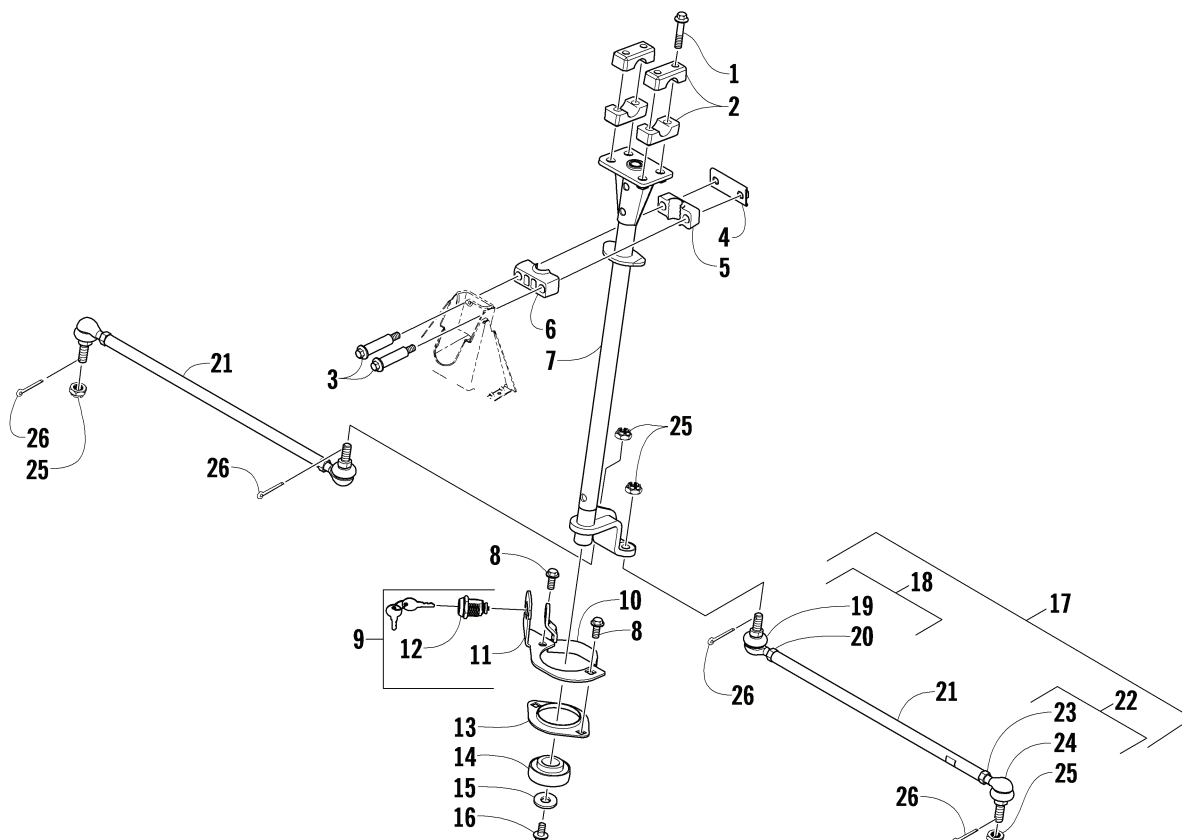
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SEAT AND BACKREST ASSEMBLY

0743-271

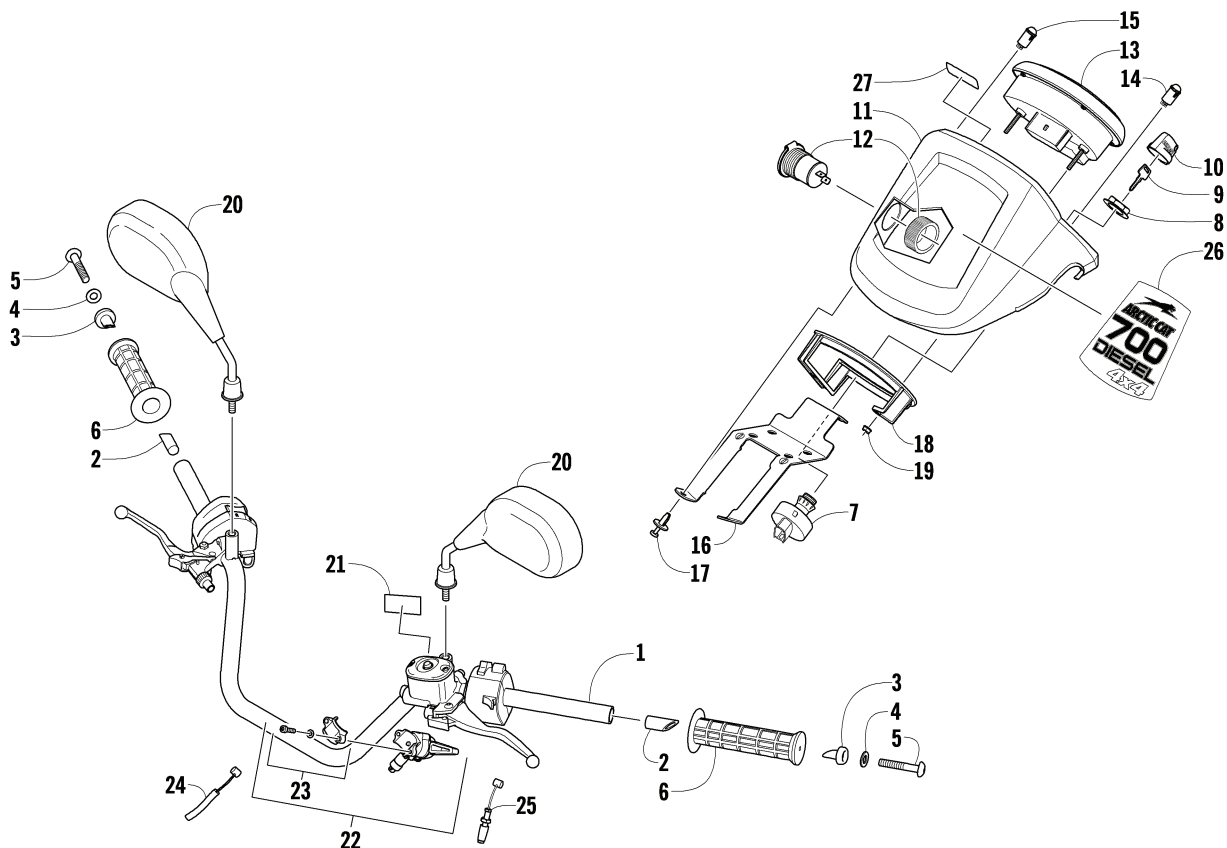
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-937	1	Seat Assembly (inc. 2-9)	14	2406-110	1	●● Base, Seat - Inner
2	1506-209	1	● Cover, Seat	15	2406-044	1	● Base, Seat - Passenger
3	1506-208	1	● Foam, Seat	16	0411-814	1	● Decal, "Arctic Cat" - White
4	2406-144	1	● Base, Seat - Assembly (inc. 5-6)	17	1506-932	1	● Bracket, Seat Support - Assembly
5	0406-879	2	●● Bumper, Seat - Rear	18	2406-112	1	● Handhold, Passenger - Right
6	0406-877	4	●● Bumper, Seat - Front		2406-113	1	● Handhold, Passenger - Left
7	0624-528	AR	● Staple	19	0423-362	6	● Screw
8	1406-592	1	● Spring, Seat Latch	20	8432-802	6	● Nut, Hex
9	1506-156	1	● Latch, Seat	21	8427-602	4	● Nut, Lock
10	1506-938	1	Seat, Passenger - Assembly (inc. 7 and 11-21)	22	1506-939	1	Backrest Assembly (inc. 23-24)
11	2506-064	1	● Seat, Passenger - Sub-Assembly (inc. 7 and 12-14)	23	1506-818	1	● Foam, Backrest
12	1506-816	1	●● Foam, Seat - Passenger	24	1506-817	1	● Cover, Backrest
13	1506-815	1	●● Cover, Seat - Passenger	25	8408-816	4	Screw
				26	0441-587	1	Wrench, Spanner



STEERING POST ASSEMBLY

0743-209 *Not a Service Part

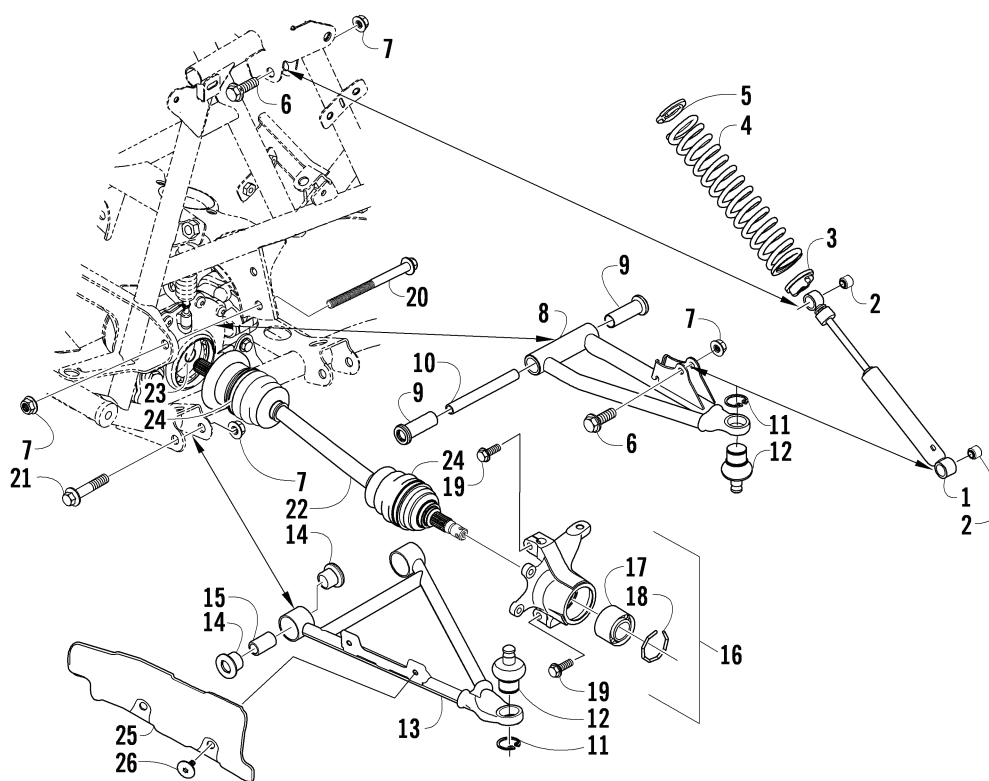
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	15	0423-073	1	Washer
2	0405-035	4	Cap, Steering Adjuster	16	8409-020	1	Screw, Cap
3	0423-505	2	Screw, Shoulder	17	<u>0505-499</u>	2	Tie Rod - Assembly (inc. 18-24)
4	<u>0505-484</u>	1	Cap, Housing	18	<u>0505-511</u>	2	● End, Tie Rod - Left-Hand Thread - Kit (inc. 19-20 and two No. 25-26)
5	0405-138	1	Housing, Lower	19	*	2	● ● End, Tie Rod - Left-Hand Thread
6	0405-139	1	Housing, Upper	20	0423-013	2	● ● Nut - Left-Hand Thread
7	0505-451	1	Post, Steering	21	<u>0405-281</u>	2	● Tie Rod
8	8408-820	2	Screw, Cap	22	<u>0505-510</u>	2	● End, Tie Rod - Right-Hand Thread - Kit (inc. 23-24 and two No. 25-26)
9	2406-355	1	Lock, Steering - Assembly (inc. 10-12)	23	*	2	● ● End, Tie Rod - Right-Hand Thread
10	2506-173	1	● Latch	24	8420-002	2	● ● Nut - Right-Hand Thread
11	2406-354	1	● Lock	25	0423-157	4	Nut, Lock
12	2406-349	1	● Bracket, Mounting - Lock	26	0623-175	4	Pin, Cotter
13	0602-233	1	Flange, Bearing				
14	0405-052	1	Bearing w/Inverted Oil Seal				



HANDLEBAR ASSEMBLY

0743-350

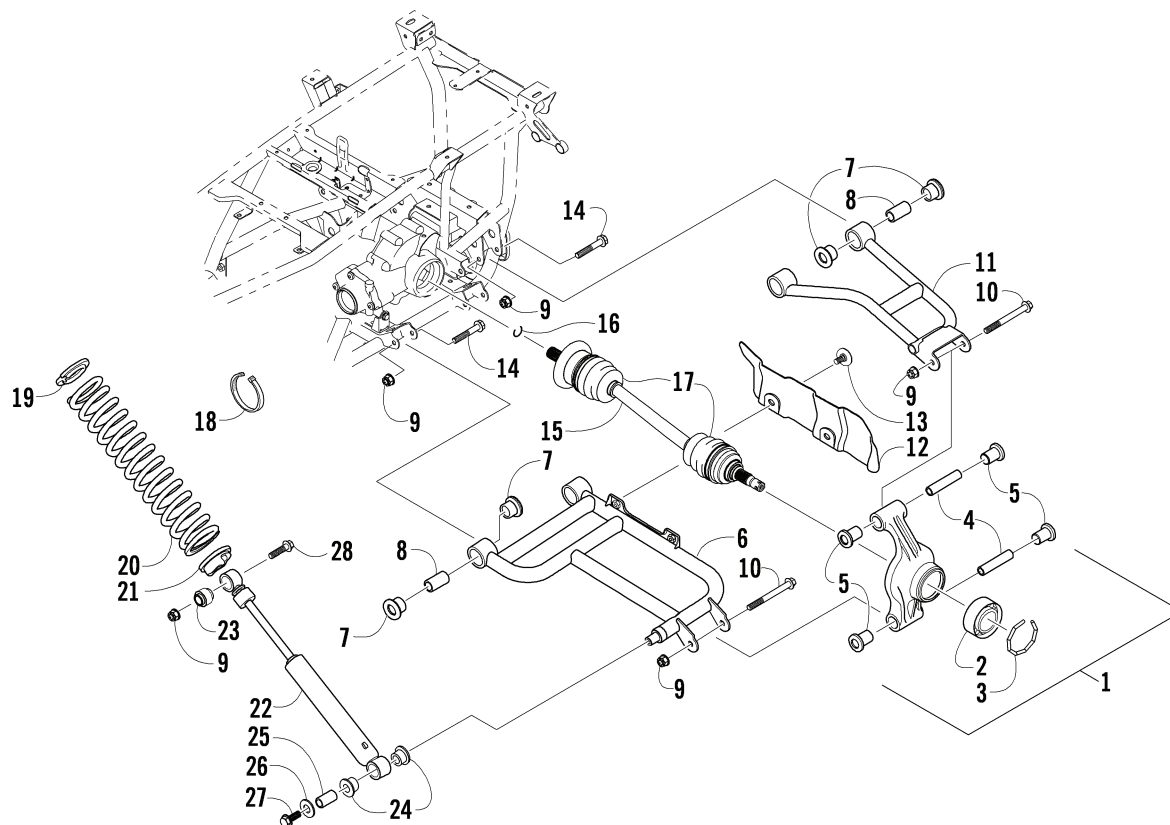
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0505-522</u>	1	Tube, Handlebar	14	0420-074	1	Light, Indicator - Glow Plug
2	0405-218	2	Plug, Handlebar	15	0420-075	1	Light, Indicator - Battery
3	0405-149	2	End Cap, Handlebar	16	<u>2506-470</u>	1	Bracket, Mounting - Instrument Pod
4	8050-247	2	Washer	17	0423-535	2	Rivet, Reinstallable
5	8477-845	2	Screw, Machine	18	0420-065	1	Clamp, Plastic
6	0405-147	2	Grip, Handlebar	19	0423-493	2	Nut w/Washer
7	<u>0430-069</u>	1	Switch, Ignition - Assembly (inc. 8-10)	20	2406-630	1	Mirror - Right
8	0430-050	1	● Nut, Flange - Ignition Switch		2406-631	1	Mirror - Left
9	<u>0430-042</u>	1	● Key, Ignition (Y Series - Left-Side Cut)	21	<u>1411-865</u>	1	Decal, Warning - Brake Lever Lock
	<u>0430-043</u>	1	● Key, Ignition (Z Series - Right-Side Cut)	22	0502-527	1	Control, Differential Lock (inc. 23)
10	0430-054	1	● Cover, Key	23	0502-613	1	● Clamp, Differential Lock Control - Kit
11	<u>0505-500</u>	1	Instrument Pod	24	0487-050	1	Cable, Differential Lock
	<u>0505-501</u>	1	Instrument Pod (Green)	25	0487-044	1	Cable, Throttle
12	0641-897	1	Outlet, Accessory - 12V	26	<u>1411-610</u>	1	Decal, Instrument Pod
13	0520-033	1	Gauge, LCD	27	<u>1411-847</u>	1	Decal, Warning - Differential Lock



FRONT SUSPENSION ASSEMBLY

0743-294

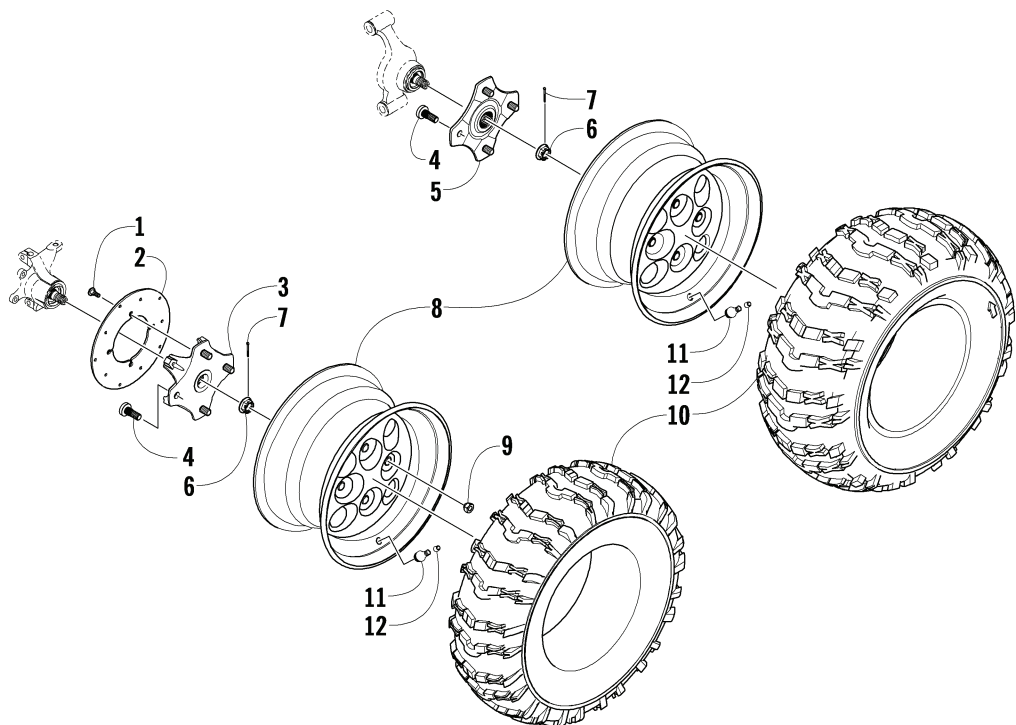
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0403-176	2	Shock Absorber - Front (inc. 2)	15	0403-114	4	● Collar
2	0403-182	4	● Bushing, Double-Bonded	16	0505-460	1	Knuckle - Assembly - Right (inc. 17-18)
3	0403-102	2	Cam, Spring Adjuster		0505-461	1	Knuckle - Assembly - Left (inc. 17-18)
4	0403-174	2	Spring, Shock Absorber - Platinum	17	1402-027	2	● Bearing, Wheel Hub
5	1603-889	2	Retainer, Spring	18	0423-423	2	● Ring, Retaining
6	8409-040	4	Screw, Cap	19	8409-030	4	Screw, Cap
7	0423-744	10	Nut, Lock	20	0423-334	2	Screw, Cap
8	0503-272	1	A-Arm, Upper Right - Platinum (inc. 9-12)	21	8409-075	4	Screw, Cap
	0503-273	1	A-Arm, Upper Left - Platinum (inc. 9-12)	22	0502-813	1	Axle, Drive - Front - Left (inc. 23-24)
9	0403-081	4	● Bushing		0502-812	1	Axle, Drive - Front - Right (inc. 23-24)
10	0403-080	2	● Collar	23	1441-109	2	● Clip, Retaining
11	0423-009	4	● Clip, Ball Joint	24	0436-276	2	● Repair Kit, Boot
12	0405-115	4	● Ball Joint - Front	25	0441-752	1	Guard, Boot - Right - Red
13	0503-342	1	A-Arm, Lower Right - Platinum		0441-753	1	Guard, Boot - Left - Red
			(inc. 14-15 and two No. 11-12)		1441-002	1	Guard, Boot - Right - Green (Green)
	0503-343	1	A-Arm, Lower Left - Platinum		1441-003	1	Guard, Boot - Left - Green (Green)
			(inc. 14-15 and two No. 11-12)	26	0423-545	4	Screw, Body
14	0403-115	8	● Bushing				



REAR SUSPENSION ASSEMBLY

0743-295

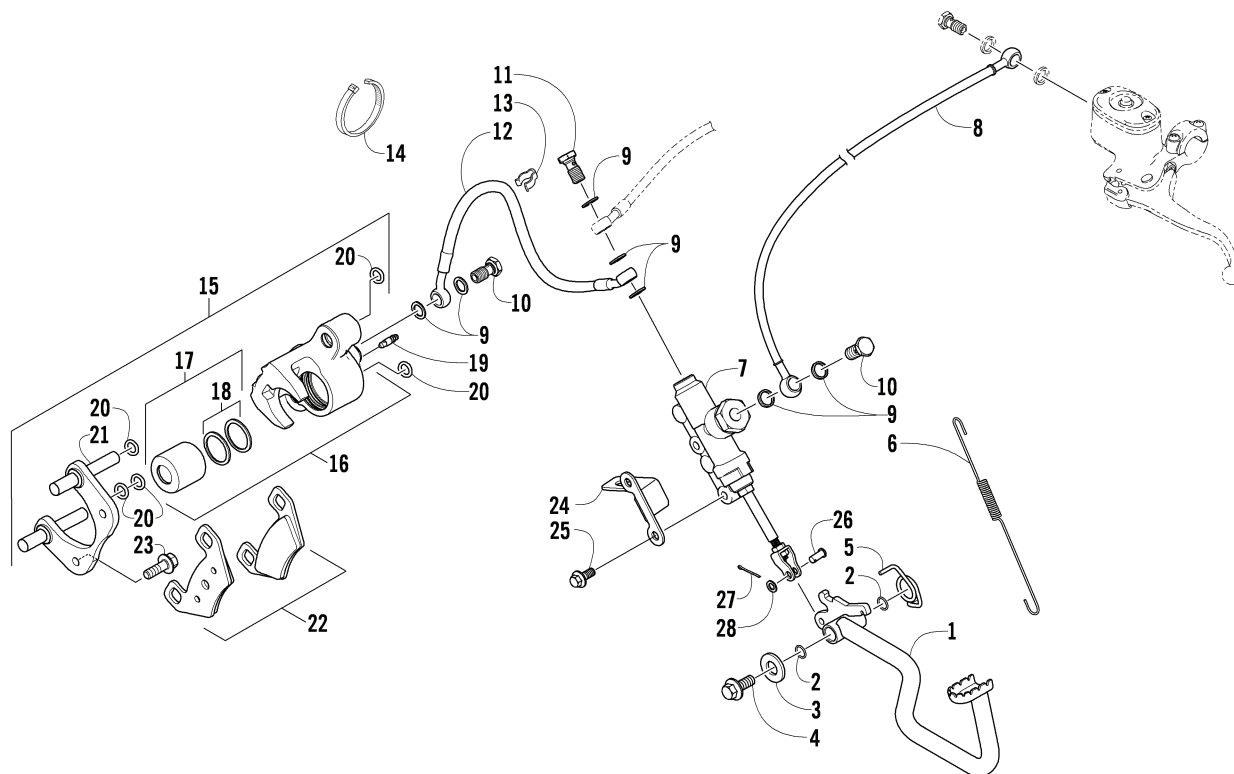
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-374	1	Knuckle - Assembly - Right (inc. 2-5)	13	0423-545	4	Screw, Body
	0504-373	1	Knuckle - Assembly - Left (inc. 2-5)	14	8409-075	8	Screw, Cap
2	1402-027	2	● Bearing, Wheel Hub	15	0502-811	2	Axle, Drive - Rear (inc. 16-17)
3	0423-423	2	● Ring, Retaining	16	0441-893	2	● Clip, Retaining
4	0403-038	4	● Collar, Suspension Bushing	17	0436-276	2	● Repair Kit, Boot
5	0403-032	8	● Bushing, Suspension	18	0123-788	2	Tie, Cable
6	0504-440	1	A-Arm, Rear - Lower Right - Platinum (inc. 7-8)	19	1603-889	2	Retainer, Spring
	0504-441	1	A-Arm, Rear - Lower Left - Platinum (inc. 7-8)	20	0404-145	2	Spring, Suspension - Platinum
7	0403-115	16	● Bushing	21	0404-057	2	Cam, Spring Adjuster
8	0403-114	8	● Collar	22	0404-147	2	Shock Absorber - Rear (inc. 23-25)
9	0423-744	14	Nut, Lock	23	0403-182	2	● Bushing, Double-Bonded
10	8409-000	4	Screw, Cap	24	0603-955	4	● Bushing, Shock Absorber
11	0504-476	1	A-Arm, Rear - Upper Right - Platinum (inc. 7-8)	25	1603-219	2	● Sleeve, Shock Absorber
	0504-477	1	A-Arm, Rear - Upper Left - Platinum (inc. 7-8)	26	0423-087	2	Washer
12	0441-754	1	Guard, Boot - Right - Red	27	8408-820	2	Screw, Cap
	0441-755	1	Guard, Boot - Left - Red	28	8409-050	2	Screw, Cap
	1441-004	1	Guard, Boot - Right - Green (Green)				
	1441-005	1	Guard, Boot - Left - Green (Green)				



WHEEL AND TIRE ASSEMBLY

0743-260

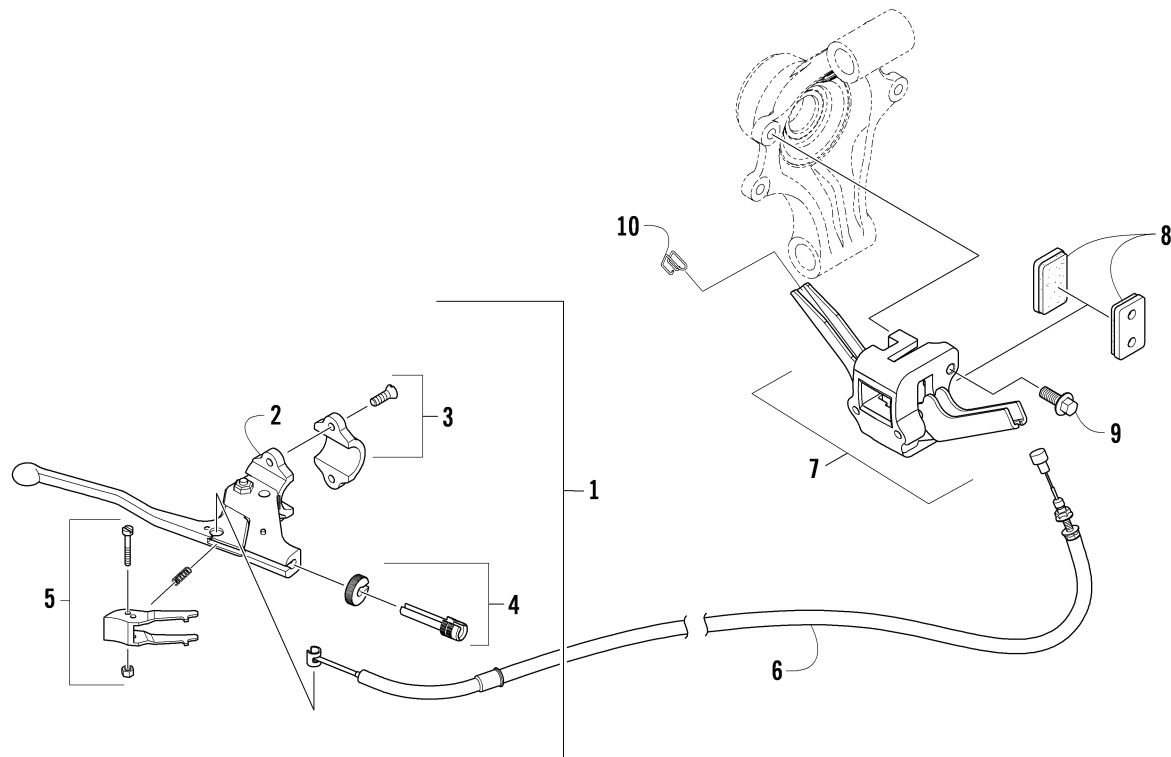
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-557	12	Screw, Shoulder w/Loctite	8	1402-127	2	Wheel - Front - Platinum
2	1436-164	3	Disc, Brake		1402-115	2	Wheel - Rear - Platinum
3	0502-599	2	Hub, Wheel - Front (inc. 4)	9	0423-408	16	Nut, Mounting - Wheel
4	0402-974	16	● Stud, Wheel Hub	10	1402-100	2	Tire - Front
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)		1402-137	2	Tire - Rear
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)	11	0402-064	4	Stem, Valve (inc. 12)
6	0423-607	4	Nut, Castle	12	0402-140	4	● Cap, Valve Stem
7	0423-407	4	Pin, Cotter				



AUXILIARY BRAKE ASSEMBLY

0743-389

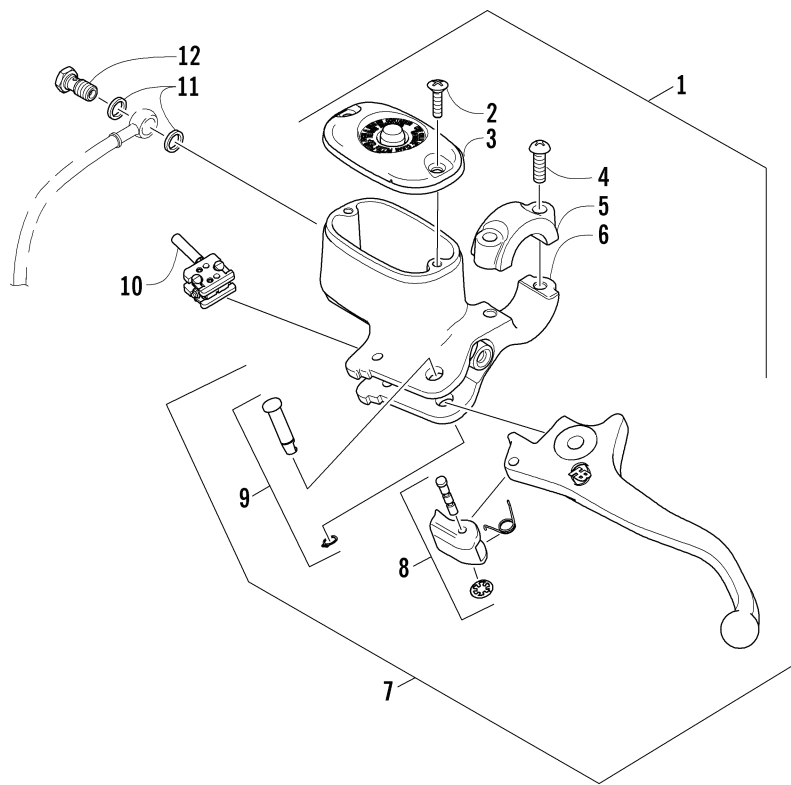
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-063	1	Lever, Brake	16	<u>1436-161</u>	1	● Housing, Caliper - Assembly - Left Rear (inc. 17-19 and 23)
2	1602-213	2	O-Ring	17	0502-606	1	●● Piston/Seal Set (inc. 18)
3	8050-252	1	Washer	18	0502-607	1	●●● Seal Set
4	8408-816	1	Screw, Cap	19	0502-609	1	●● Valve, Bleed
5	0502-807	1	Spring, Brake Lever	20	0502-608	1	● O-Ring, Guide - Set
6	0502-785	1	Spring, Brake Switch	21	0502-605	1	● Bracket Assembly
7	1502-147	1	Master Cylinder	22	<u>1436-165</u>	1	● Pad, Brake - Set
8	1402-592	1	Hose, Brake	23	8408-821	2	● Screw, Cap
9	0423-178	7	Washer, Crush	24	0502-840	1	Bracket, Switch
10	0423-413	2	Bolt, Banjo-Fitting	25	8408-625	2	Screw, Cap
11	0423-610	1	Bolt, Banjo-Fitting - Double	26	1402-377	1	Pin, Clevis
12	1402-594	1	Hose, Brake	27	0117-868	1	Pin, Cotter
13	1502-115	2	Clip, Brake Hose	28	8050-217	1	Washer
14	0123-788	AR	Tie, Cable - 7.5 in.				
15	<u>1436-163</u>	1	Caliper, Brake (inc. 16-23)				



PARKING BRAKE ASSEMBLY

0743-214

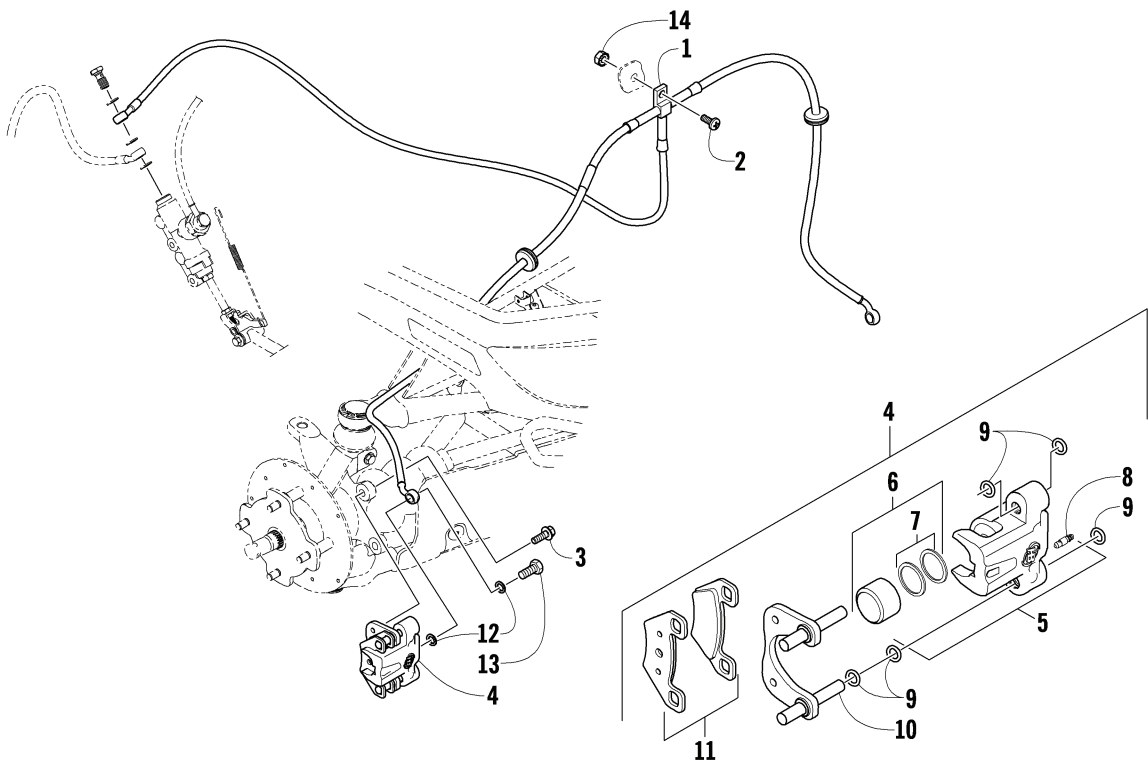
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-150	1	Lever, Parking Brake - Assembly (inc. 2-5)	6	0487-055	1	Cable, Brake - Rear
2	1502-429	1	● Kit, Parking Brake Lever Assembly	7	1502-176	1	Mechanical Brake Assembly
3	1502-432	1	● Kit, Handlebar Clamp	8	1402-602	2	Pad, Brake
4	1502-430	1	● Kit, Thumb Nut Adjuster	9	8408-826	2	Screw, Cap
5	1502-431	1	● Kit, Parking Brake Lever Lock	10	0402-379	1	Wire Form, Cable



HYDRAULIC HAND BRAKE ASSEMBLY

0741-458

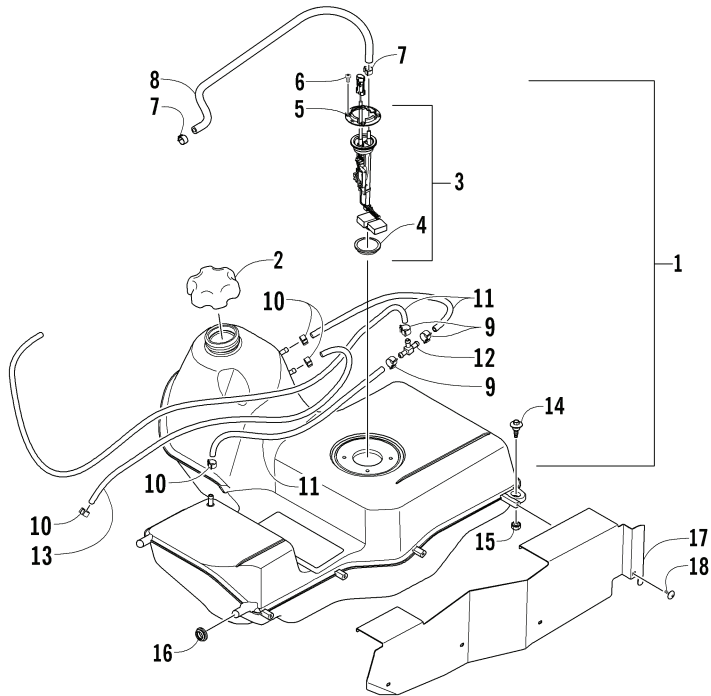
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-914	1	Brake Assembly (inc. 2-10)	7	0502-866	1	● Lever Assembly (inc. 8-9)
2	0502-566	1	● Screw, Reservoir Cover	8	0502-867	1	● ● Lock, Brake Lever - Kit
3	0502-868	1	● Cover, Reservoir	9	0502-580	1	● ● Lever Pin - Kit
4	0502-568	1	● Screw, Master Cylinder Clamp	10	0502-564	1	● Switch, Brake
5	0502-869	1	● Clamp, Master Cylinder	11	0423-178	2	Washer, Crush
6	0502-704	1	● Master Cylinder Assembly	12	0423-413	1	Bolt, Banjo-Fitting



HYDRAULIC BRAKE ASSEMBLY

0743-262

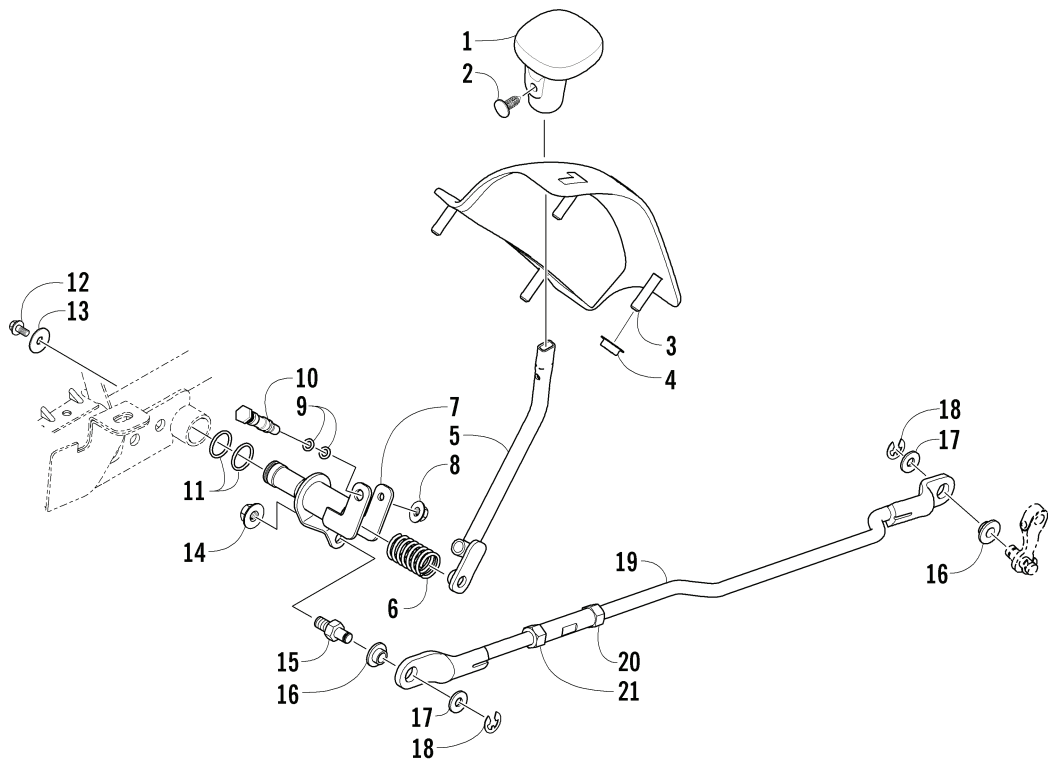
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-148	1	Hose, Brake - Assembly	6	0502-606	2	● ● Piston/Seal Set (inc. 7)
2	8476-625	1	Screw, Cap	7	0502-607	2	● ● ● Seal Set
3	1623-589	4	Screw, Cap	8	0502-609	2	● ● Valve, Bleed
4	1436-162	1	Caliper, Brake - Right Front (inc. 5-11 and two No. 3)	9	0502-608	2	● O-Ring, Guide - Set
	1436-163	1	Caliper, Brake - Left Front (inc. 5-11 and two No. 3)	10	0502-605	2	● Bracket Assembly
5	1436-160	1	● Housing, Caliper - Assembly - Right Front (inc. 6-8 and two No. 3)	11	1436-165	2	● Pad, Brake - Set
	1436-161	1	● Housing, Caliper - Assembly - Left Front (inc. 6-8 and two No. 3)	12	0423-178	2	Washer, Crush
				13	0423-413	1	Bolt, Banjo-Fitting
				14	0623-038	1	Nut, Lock



FUEL TANK ASSEMBLY

0742-733

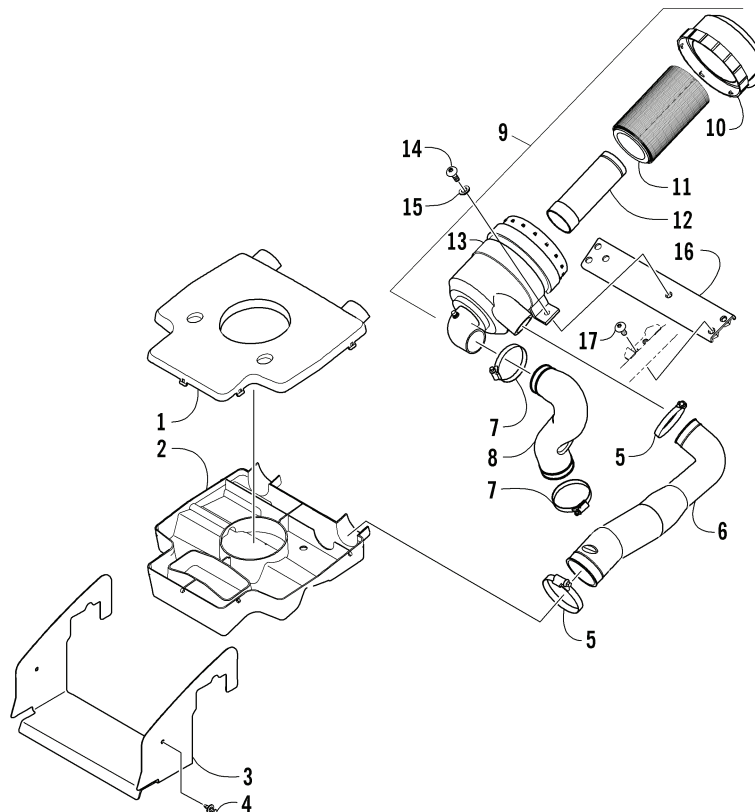
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0570-214	1	Tank, Fuel - Assembly (inc. 2-6)	10	0423-688	3	Clamp, Hose
2	0470-653	1	● Cap, Fuel Tank	11	0410-070	AR	Hose, Fuel - 25 ft
3	<u>0570-228</u>	1	● Sensor, Fuel Level (inc. 4)	12	0109-332	1	Fitting, T
4	0470-521	1	●● Seal, Fuel Level Sensor	13	0410-142	AR	Hose, Fuel - 25 ft
5	0470-639	1	● Plate, Mounting - Fuel Level Sensor	14	0423-835	1	Clamp
6	1623-158	4	● Screw, Plastite	15	0423-732	2	Screw, Mounting - Fuel Tank
7	0423-689	2	Clamp, Hose	16	0423-460	2	Grommet
8	0410-143	AR	Hose, Fuel - 25 ft	17	<u>0470-715</u>	1	Shield, Fuel Tank
9	0423-670	3	Clamp, Hose	18	0623-797	4	Screw, Self-Tapping



SHIFT LEVER ASSEMBLY

0742-734

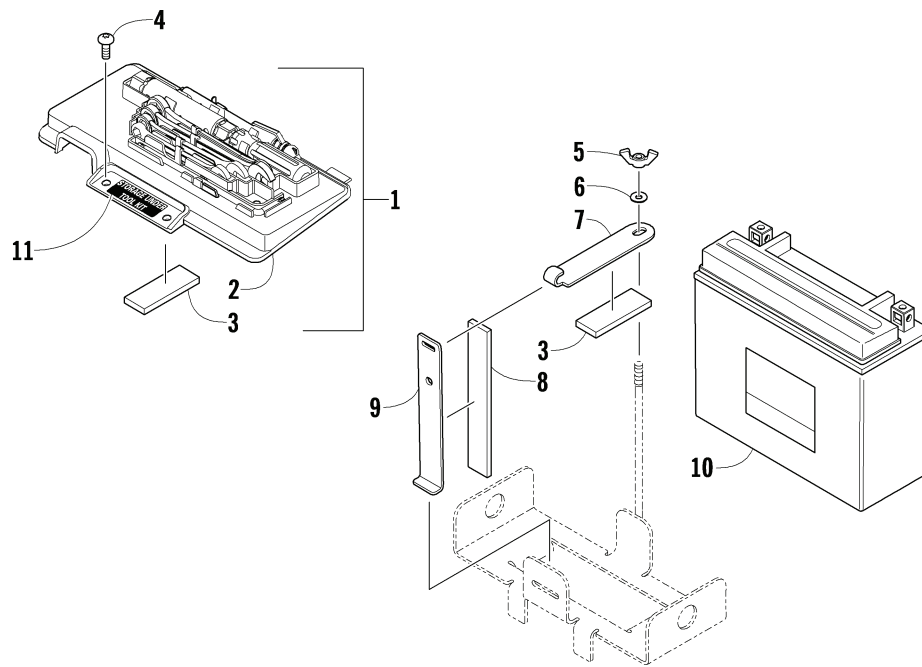
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-843	1	Knob, Shift Lever	12	8408-812	1	Screw, Cap
2	0423-345	1	Clip, Push	13	0423-087	1	Washer
3	1402-576	1	Plate, Shift	14	8424-802	1	Nut, Hex
4	0423-357	4	Nut, Stamped	15	1402-621	1	Pin, Mounting - Shift Linkage
5	0502-659	1	Lever, Shift	16	0423-091	2	Bushing, Shift Linkage
6	0402-678	1	Spring, Shift Lever	17	0623-094	2	Washer
7	1502-012	1	Axle, Shift Lever	18	0423-169	2	E-Ring
8	8424-602	1	Nut	19	1502-226	1	Linkage, Shift - Assembly (inc. 20-21)
9	0423-182	2	O-Ring	20	0123-917	1	● Nut, Hex - Left-Hand Thread
10	0402-675	1	Axle, Pivot	21	0623-294	1	● Nut, Hex - Right-Hand Thread
11	0423-299	2	O-Ring				



AIR INTAKE ASSEMBLY

0741-964

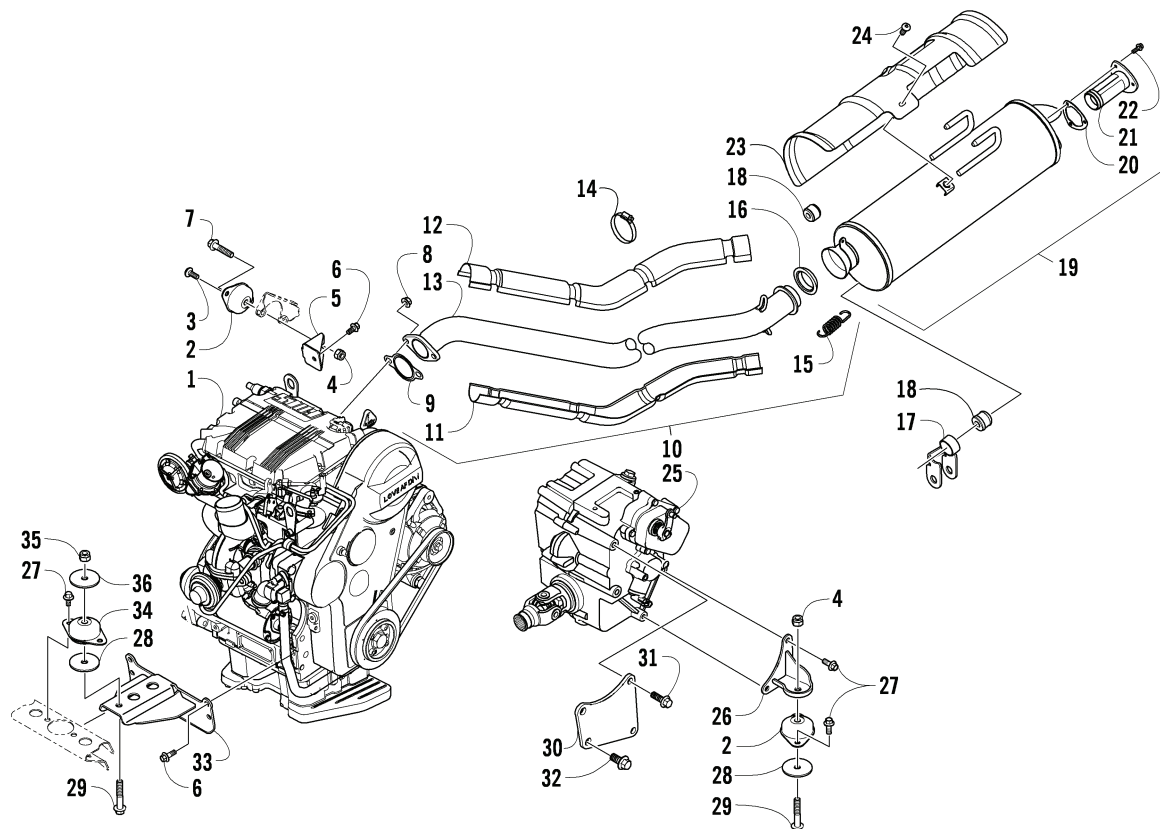
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-091	1	Diverter, Air - Top	10	0470-627	1	● Cap, Air Filter
2	0413-093	1	Diverter, Air - Bottom	11	0470-619	1	● Element, Air Filter - Main
3	2406-509	1	Shroud, Splash	12	0470-620	1	● Element, Air Filter - Safety
4	0623-362	2	Rivet, Reinstallable	13	0470-628	1	● Bracket, Mounting - Air Filter Element
5	0423-832	2	Clamp, Boot	14	8476-620	2	Screw, Bracket
6	0470-618	1	Duct, Air Intake	15	8050-222	2	Washer
7	0423-066	2	Clamp, Boot	16	2506-082	1	Bracket, Mounting - Air Filter
8	0470-621	1	Duct, Engine Intake	17	8476-616	4	Screw, Machine
9	0470-617	1	Filter, Air - Assembly (inc. 10-13)				



BATTERY ASSEMBLY

0743-352 *Not Illustrated

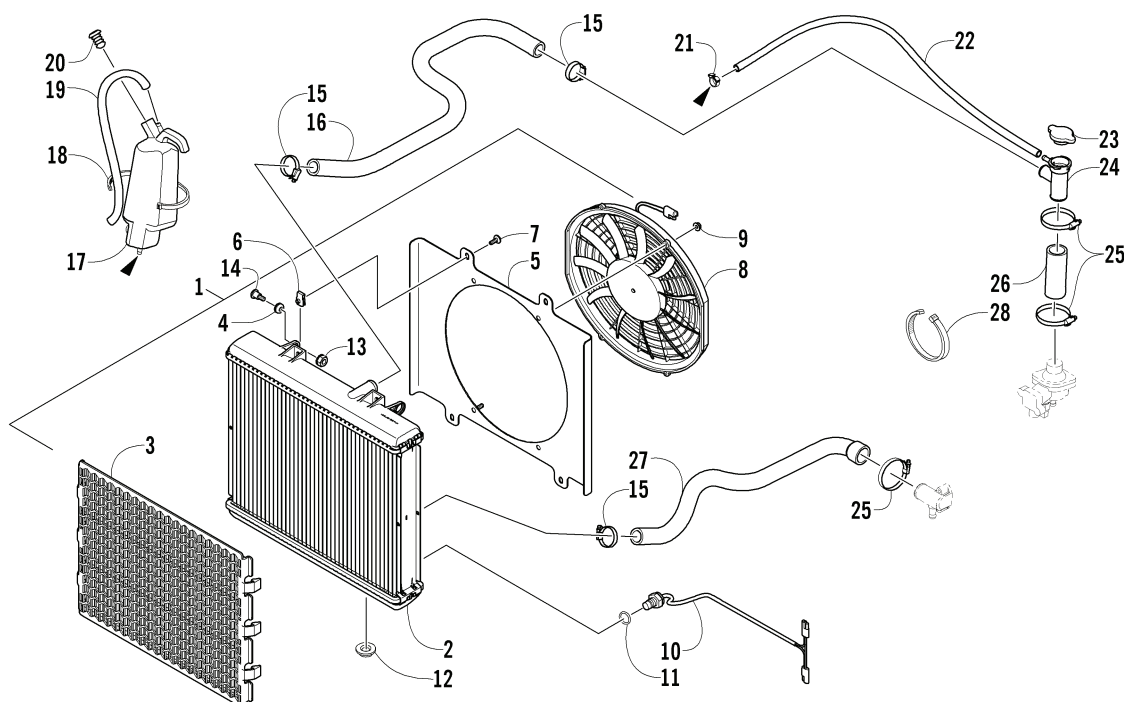
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>5991-395</u>	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	6	8050-217	1	Washer
2	<u>2406-815</u>	1	● Cover, Battery	7	0645-243	1	Strap, Battery - Top
3	0406-288	2	● Pad, Battery	8	0406-289	1	Pad, Battery
*	0444-122	1	● Kit, Tool	9	0645-311	1	Strap, Battery - Side
4	8476-620	2	Screw, Machine	10	0645-432	1	Battery
5	0623-325	1	Nut, Wing	11	1411-508	1	Decal, Storage



ENGINE AND EXHAUST

0743-423

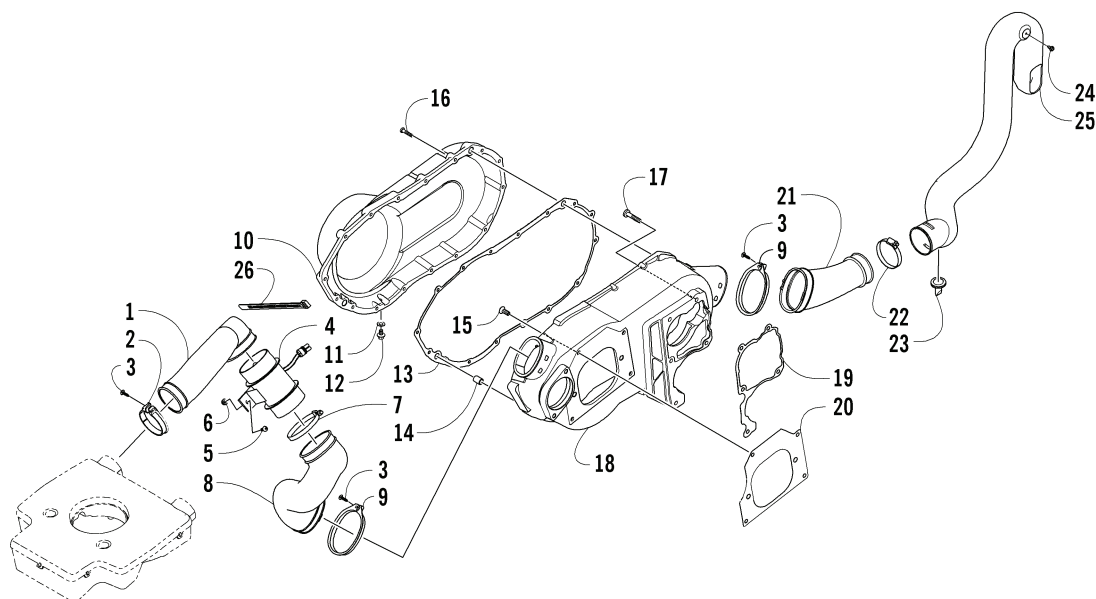
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0462-047</u>	1	Engine	20	0412-313	1	● Gasket, Spark Arrester
2	2406-323	3	Mount, Engine - Rubber	21	0512-219	1	● Arrester, Spark
3	8468-820	2	Screw, Cap	22	8408-616	3	● Screw, Cap
4	8422-002	3	Nut, Lock	23	0412-373	1	Cover, Muffler
5	2506-186	1	Mounting, Bracket - Engine	24	8477-610	3	Screw, Machine
6	8408-816	5	Screw, Cap	25	<u>1502-365</u>	1	Gearcase - Assembly
7	0423-736	1	Screw, Cap	26	2506-190	1	Bracket, Mounting - Engine - Right
8	0423-687	2	Nut		2506-191	1	Bracket, Mounting - Engine - Left
9	0412-387	1	Gasket, Exhaust Manifold	27	8408-820	10	Screw, Cap
10	0512-322	1	Pipe, Exhaust - Assembly (inc. 11-14)	28	2506-061	3	Washer, Engine Mount
11	0412-386	1	● Shield, Exhaust Pipe - Lower	29	8408-055	3	Screw, Cap
12	0412-385	1	● Shield, Exhaust Pipe - Upper	30	0408-015	1	Plate, Mounting - Engine/Transmission
13	0512-321	1	● Pipe, Exhaust	31	8409-030	2	Screw, Cap
14	0423-317	4	● Hose Clamp	32	0423-685	2	Screw, Cap
15	0612-668	2	Spring	33	2506-189	1	Bracket, Mounting - Engine - Front
16	0412-375	1	Seal, Exhaust	34	2406-322	1	Mount, Engine - Rubber
17	1506-732	1	Channel, Muffler Support (inc. one No. 18)	35	0423-737	1	Nut
18	0412-215	3	● Bushing	36	0423-073	1	Washer, Flat
19	0512-306	1	Muffler (inc. 20-22)				



COOLING ASSEMBLY

0742-736

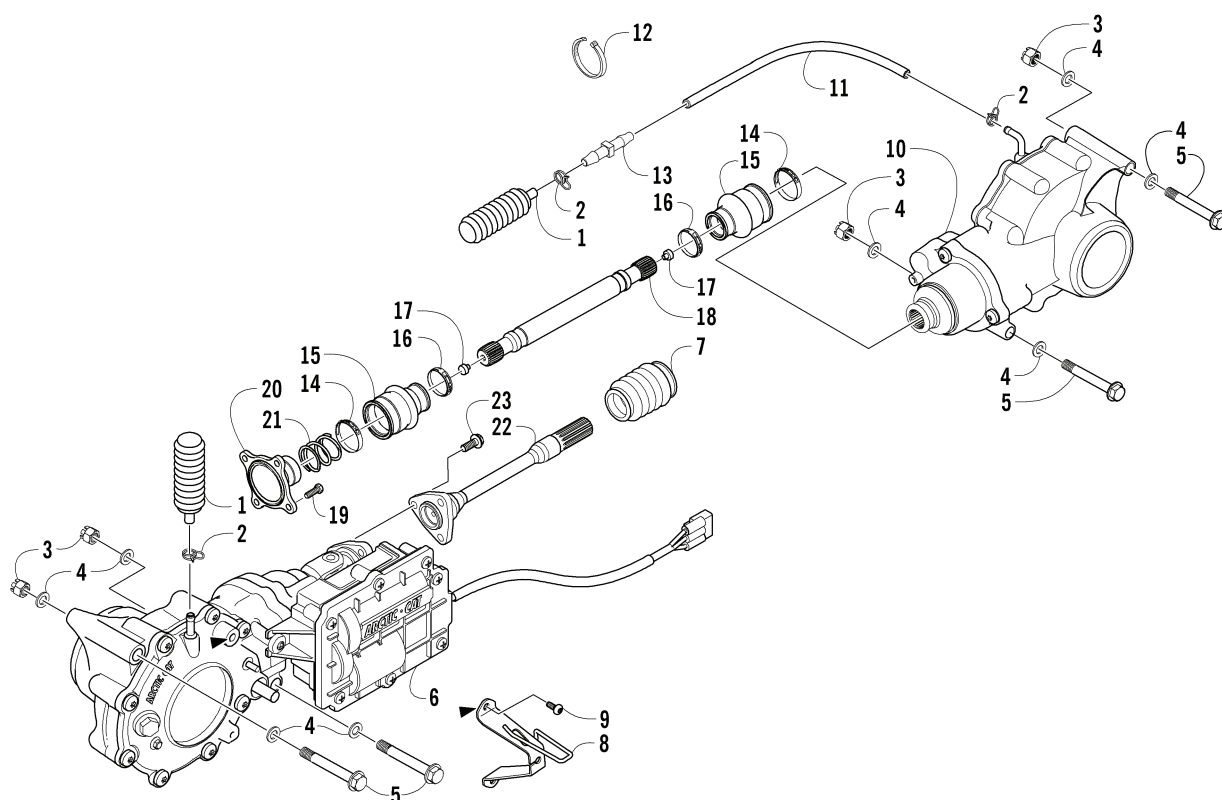
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0413-143</u>	1	Radiator Assembly (inc. 2-11)	15	0423-496	3	Clamp, Hose
2	<u>0413-180</u>	1	● Radiator	16	0410-106	1	Hose, Coolant
3	<u>0413-181</u>	1	● Screen, Radiator	17	0413-086	1	Tank, Coolant Overflow
4	0423-030	2	● Grommet	18	0623-316	1	Tie, Cable
5	<u>0413-182</u>	1	● Shroud, Fan	19	0610-011	AR	Hose - 25 ft
6	0423-577	4	● Clip, U-Nut	20	0413-087	1	Stopper, Coolant Tank
7	8476-616	4	● Screw	21	0124-045	1	Clamp, Hose
8	<u>0413-183</u>	1	● Fan, Cooling	22	0610-016	AR	Hose - 25 ft
9	8424-602	4	● Nut, Hex	23	0413-002	1	Cap, Radiator
10	0413-168	1	● Switch, Cooling Fan	24	<u>0413-193</u>	1	Tank, Coolant Fill
11	1602-213	1	● O-Ring	25	1623-093	3	Clamp
12	0423-028	2	Bushing, Stem	26	0410-121	1	Hose, Coolant - Coupler
13	0623-038	2	Nut w/Washer	27	0410-107	1	Hose, Coolant
14	0423-484	2	Screw, Shoulder	28	0123-788	2	Tie, Cable



CASE/BELT COOLING ASSEMBLY

0741-991

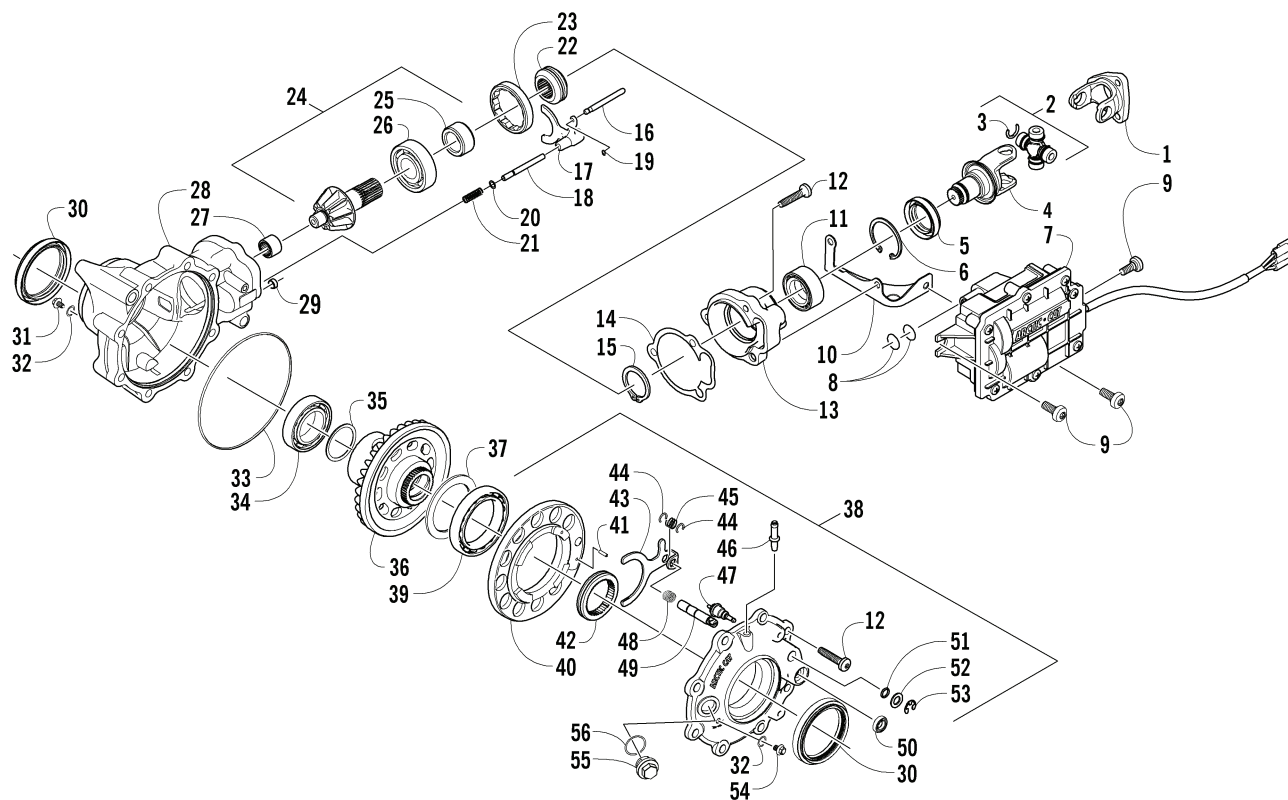
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-132	1	Duct, Belt Cooling - Front	14	0829-002	2	Dowel, Split
2	0423-551	1	Clamp, Plastic	15	8473-820	4	Screw, Machine
3	0423-342	3	Screw, Self-Tapping	16	8468-630	16	Screw, Machine
4	0413-141	1	Fan, Belt Cooling	17	0423-118	5	Screw, Self-Tapping
5	8475-512	2	Screw, Machine	18	1402-527	1	Cover, Clutch
6	8424-502	2	Nut, Hex	19	1402-526	1	Gasket, Gearcase
7	0423-018	1	Clamp, Boot	20	1402-524	1	Gasket, Clutch Cover
8	0413-133	1	Boot, Belt Cooling - Inlet	21	0413-134	1	Boot, Belt Cooling - Outlet
9	0423-550	2	Clamp, Plastic	22	0423-019	1	Clamp, Boot
10	1502-157	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	0413-106	1	Duct, Belt Cooling - Rear
13	1402-528	1	Gasket, V-Belt Cover	26	0623-316	1	Tie, Cable



DRIVE TRAIN ASSEMBLY

0742-251

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1402-620</u>	2	Bladder, Gearcase	13	0470-462	1	Fitting, Vent Hose
2	0423-315	4	Clamp, Fitting	14	0423-393	2	Clamp, Boot
3	0423-744	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>1502-244</u>	1	Gearcase, Front	18	1402-507	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	1502-079	1	Gearcase, Rear	22	0502-976	1	Shaft, Propeller
11	0410-048	AR	Hose, Vent	23	8409-025	3	Screw, Cap
12	0123-788	1	Tie, Cable				

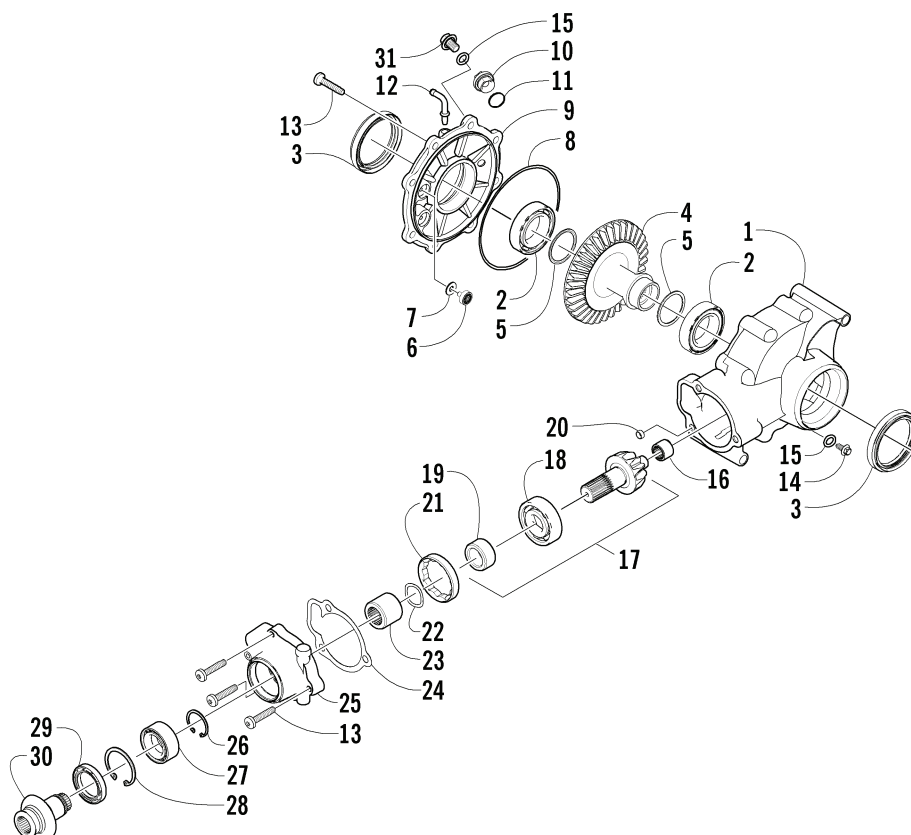


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-244)

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	<u>1502-234</u>	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				

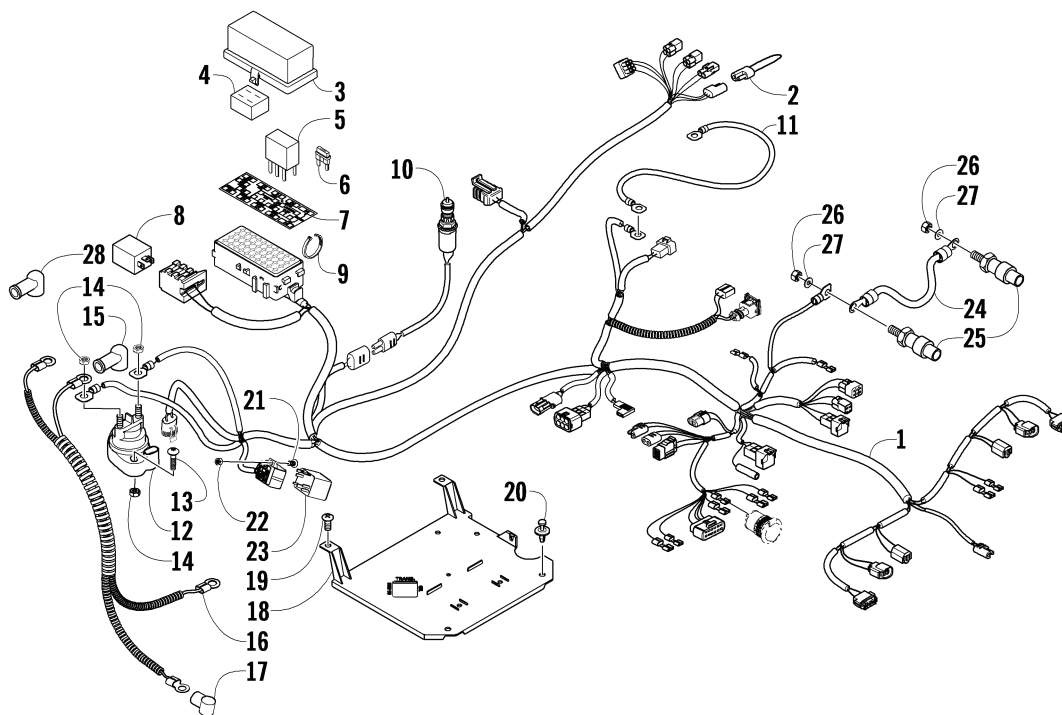


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-079)

0741-524

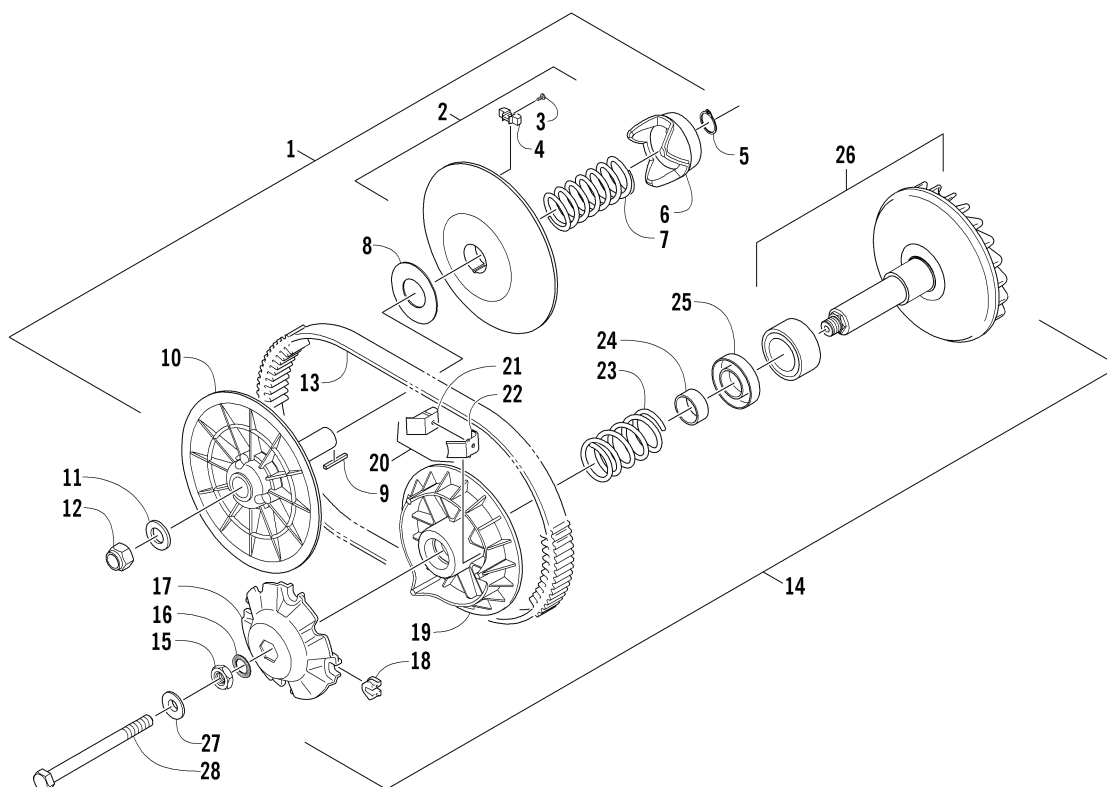
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-622	1	Housing, Gearcase	13	0423-118	11	Screw, Self-Tapping
2	0402-393	2	Bearing	14	0402-450	1	Plug, Magnetic (inc. one No. 15)
3	1402-441	2	Seal	15	0423-153	2	● O-Ring
4	1402-032	1	Gear, Ring - 36T	16	0402-328	1	Bearing
5	0402-405	AR	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	1502-082	1	Cover, Gearcase	29	1402-011	1	Seal
10	0402-333	1	Plug, Fill (inc. 11)	30	1502-085	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

0743-354

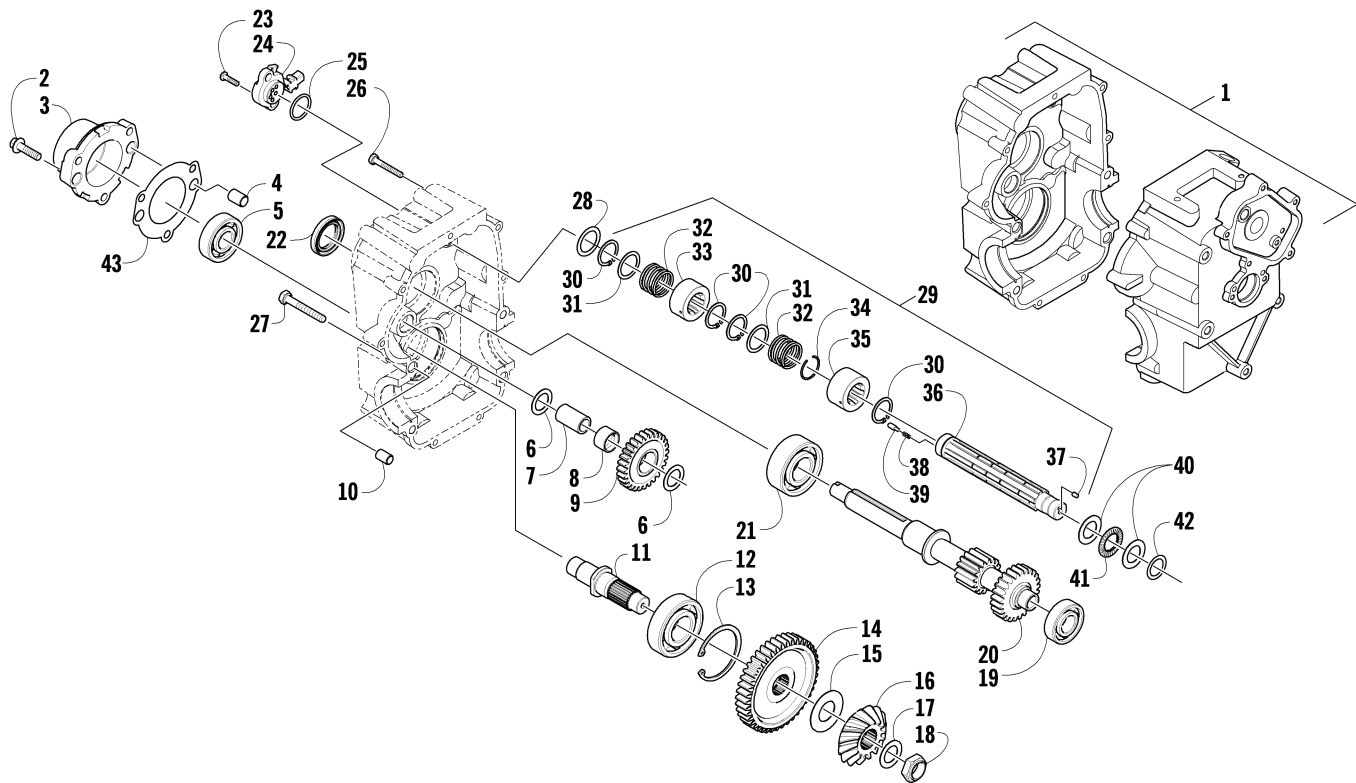
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0486-272</u>	1	Harness, Main (inc. 2-8)	14	0623-038	4	Nut w/Washer
2	0486-164	1	● Tether, Accessory Connector	15	0645-327	1	Boot, Terminal
3	0530-008	1	● Cover, Fuse Block	16	0445-059	1	Cable, Battery - Assembly
4	0430-037	1	● Holder, Fuse	17	0645-019	2	Boot, Terminal
5	0430-033	1	● Relay (5-Pin) - 20 Amp	18	2406-388	1	Tray, Electrical
	0430-045	3	● Relay (4-Pin) - 20 Amp	19	8476-620	2	Screw, Machine
6	0430-032	4	● Fuse - 10 Amp	20	0623-362	4	Rivet, Reinstallable
	0430-031	4	● Fuse - 15 Amp	21	0423-371	1	Screw, Machine
	0430-030	2	● Fuse - 30 Amp	22	8424-502	1	Nut, Hex
7	1411-381	1	● Decal, Fuse Block	23	3206-311	1	Relay, Glow Plug
8	0430-049	1	● Flasher (3-Pin)	24	3206-307	1	Wire, Glow Plug
9	0123-788	AR	Tie, Cable - 7.5 in.	25	3206-306	2	Plug, Glow
10	0409-089	1	Switch, Brake - Assembly	26	3206-308	2	Nut
11	0445-060	1	Cable, Battery/Ground	27	3206-309	2	Washer
12	0445-058	1	Solenoid	28	0445-067	1	Boot, Terminal
13	8476-625	2	Screw, Machine				



CLUTCHES AND V-BELT ASSEMBLIES

0742-008

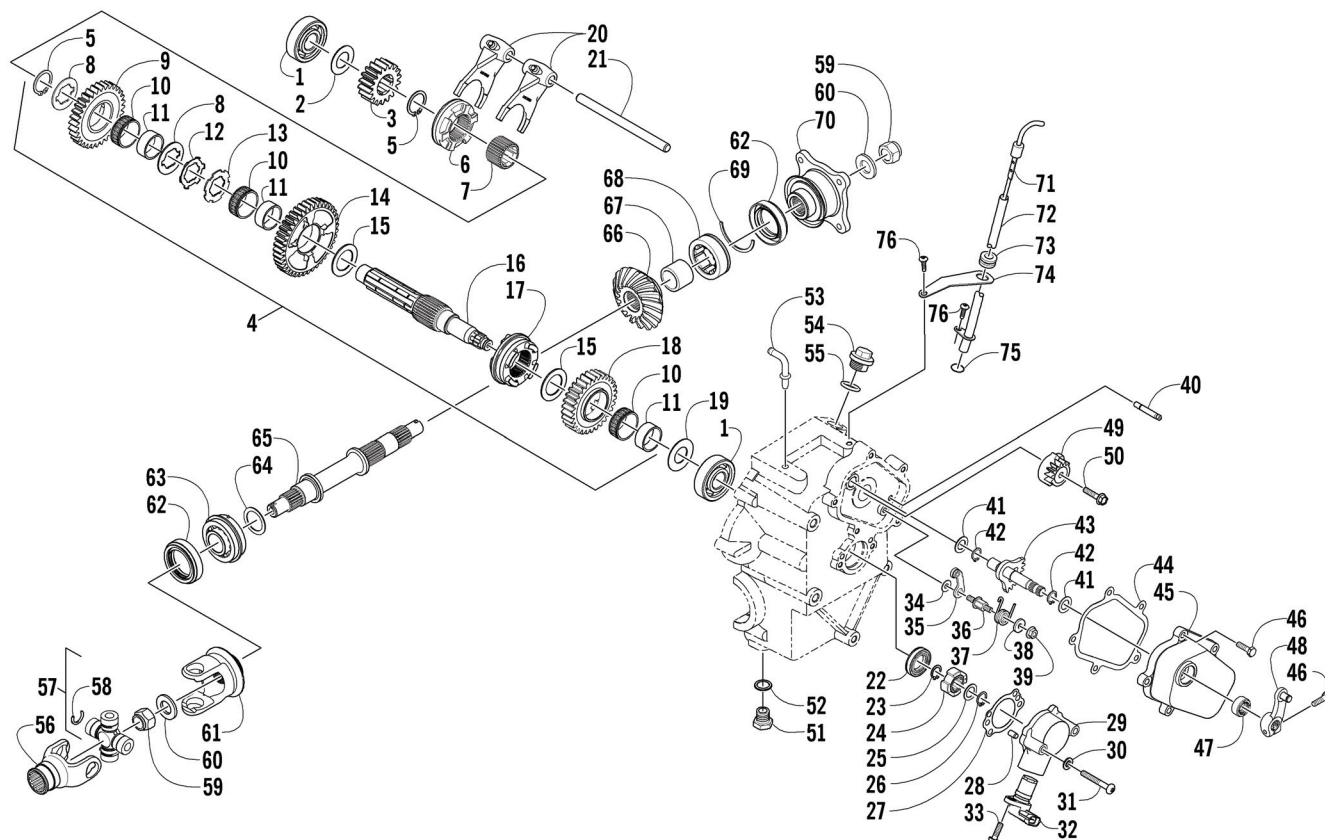
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-073	1	Pulley, Driven - Assembly (inc 2-10)	15	0423-747	1	● Nut, Hex
2	1502-208	1	● Face, Driven - Movable (inc. 3-4)	16	0423-746	1	● Washer, Lock
3	0423-752	3	●● Screw, Cam	17	1502-207	1	● Plate, Movable Drive Face
4	1402-632	3	●● Shoe,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



TRANSMISSION RIGHT-SIDE ASSEMBLY

0741-915

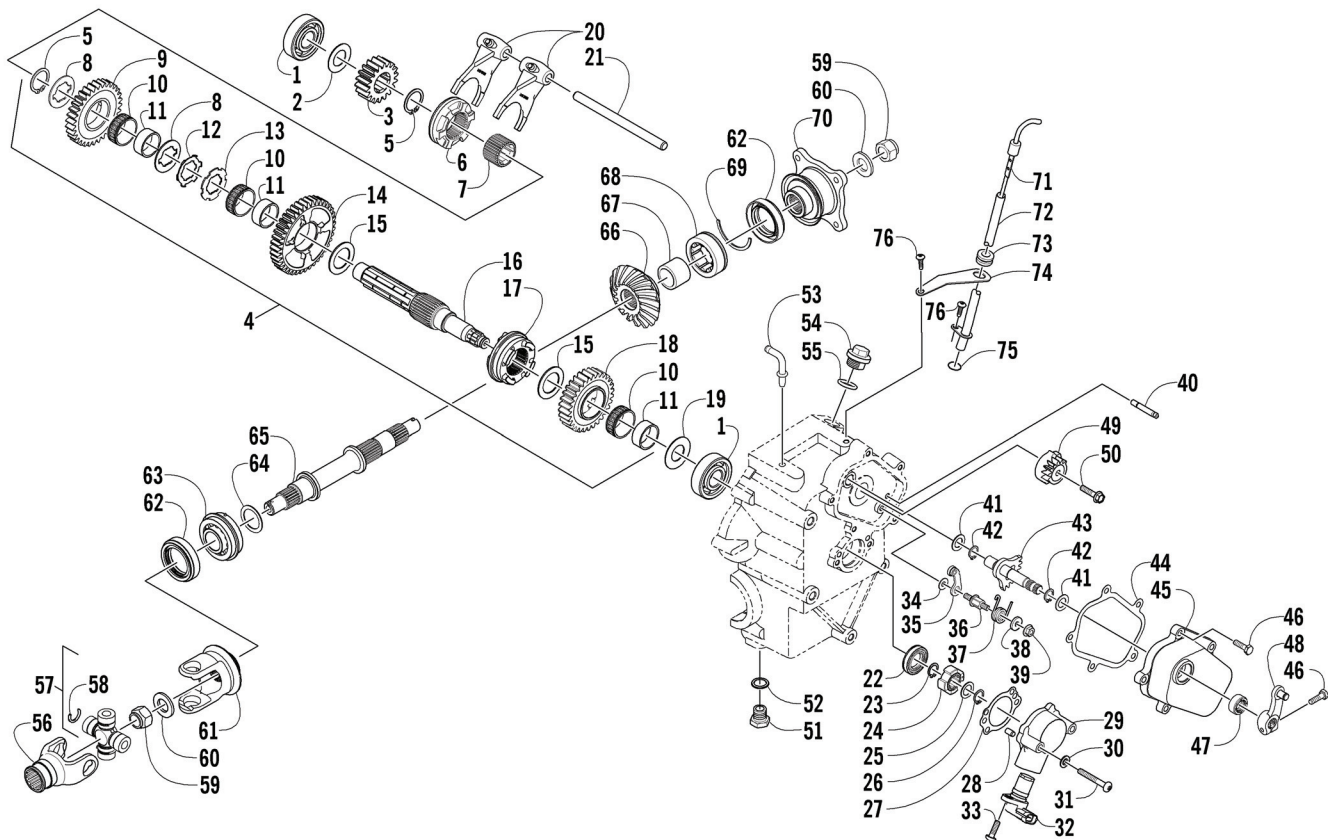
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1502-364</u>	1	Housing, Gearcase - Set	21	<u>0832-048</u>	1	Bearing, Driveshaft
2	8408-830	3	Screw, Cap	22	0830-035	1	Seal, Driveshaft
3	0801-006	1	Housing, Secondary Output Shaft Bearing	23	8470-520	2	Screw, Machine
4	0829-002	2	Dowel, Split	24	<u>0409-090</u>	1	Switch, Gear Shift Position
5	<u>0832-050</u>	1	Bearing, Secondary Output Shaft	25	0423-714	1	O-Ring
6	0828-016	2	Washer, Thrust	26	8405-640	7	Screw, Cap
7	<u>1402-737</u>	1	Shaft, Reverse Idle	27	8405-855	4	Screw, Cap
8	0822-012	1	Bushing, Reverse Idle Gear	28	0828-040	1	Washer
9	0822-011	1	Gear, Reverse Idle	29	0818-046	1	Shaft, Gear Shift - Assembly (inc. 30-37)
10	0829-003	2	Dowel, Split	30	0831-011	4	● Ring, Retaining
11	0822-067	1	Shaft, Output - Secondary	31	0828-039	2	● Washer
12	0832-015	1	Bearing, Output - Secondary Shaft	32	0818-012	2	● Spring, Cam - Gear Shift
13	0402-347	1	Ring, Retaining	33	0818-027	1	● Cam, Reverse - Gear Shift
14	1402-559	1	Gear, Driven - No. 2 (42T)	34	0818-011	1	● C-Ring
15	0828-062	AR	Shim, 24 x 48 x 1.00	35	0818-009	1	● Cam, Forward - Gear Shift
	0828-063	AR	Shim, 24 x 48 x 1.05	36	0818-010	1	● Shaft, Gear Shift
	0828-064	AR	Shim, 24 x 48 x 1.10	37	0829-011	1	● Pin, Dowel
	0828-065	AR	Shim, 24 x 48 x 1.15	38	0818-017	2	Spring, Gear Shift Contact
16	0819-001	1	Gear, Secondary Drive	39	0818-013	2	Contact, Gear Shift
17	0828-019	1	Washer, Thrust	40	0828-067	2	Washer, Thrust Bearing
18	0827-012	1	Nut, Hex	41	0832-034	1	Bearing, Thrust - Roller
19	<u>0832-049</u>	1	Bearing	42	0828-037	1	Washer
20	1402-553	1	Shaft, Input	43	1402-605	1	Gasket



TRANSMISSION LEFT-SIDE ASSEMBLY

0741-914

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0832-050	2	Bearing	32	0824-042	1	Sensor, Speedometer
2	0828-010	1	Washer, Thrust - Secondary Transmission	33	8468-620	1	Screw, Machine
3	1402-558	1	Gear, Drive - No. 2 (18T)	34	0828-038	1	Washer
4	1502-149	1	Countershaft (inc. 5-18)	35	0818-002	1	Stopper, Swing Arm - Cam Assembly
5	0831-011	2	● Ring, Retaining	36	0818-004	1	Support, Cam Stopper
6	0822-014	1	● Dog, Reverse Gear	37	0818-028	1	Spring, Torsion - Cam Arm
7	0822-045	1	● Insert, Gear	38	0828-035	1	Washer
8	0828-008	2	● Washer, Secondary Transmission	39	8424-602	1	Nut, Hex Flange
9	0822-013	1	● Gear, Reverse Driven	40	1402-556	1	Stop, Spring - Selector
10	0832-011	3	● Bearing	41	0828-036	2	Washer
11	0822-005	3	● Bushing	42	0831-010	2	Ring, Retaining
12	0828-015	1	● Washer, Lock - Secondary Transmission	43	0818-007	1	Shaft, Sub - Gear Shift
13	0828-014	1	● Washer, Secondary Transmission	44	1402-557	1	Gasket, Cover - Selector
14	0822-004	1	● Gear, Driven - Low (40T)	45	1502-009	1	Cover, Selector - Gearcase
15	0822-046	2	● Shim, Drive Gear Spacer	46	8405-620	6	Screw, Cap
16	0822-003	1	● Countershaft	47	0830-044	1	Seal, Sub - Gear Shift
17	0822-007	1	● Dog, Sliding Driven Gear - High/Low	48	0818-014	1	Arm, Selector
18	0822-006	1	● Gear, Driven - High (30T)	49	0818-005	1	Plate, Gear Shift Cam
19	0828-011	1	Washer	50	0826-006	1	Screw, Cap
20	0818-072	2	Fork, Shift	51	0812-006	1	Plug, Drain - Magnetic
21	0818-006	1	Shaft, Shift Fork	52	0830-017	1	Gasket, Compression
22	0822-052	1	Seal, Countershaft - Right	53	1402-102	1	Fitting, 90°
23	0831-040	1	Ring, External Retaining	54	0402-333	1	Plug, Fill (inc. 55)
24	0822-050	1	Trigger, Speedometer Sensor	55	0423-154	1	● O-Ring
25	0828-069	1	Washer, Thrust	56	0819-063	1	Yoke, Propeller Shaft
26	0831-039	1	Ring, External Retaining	57	1402-164	1	Joint, Universal - Set (inc. 58)
27	0830-129	1	Gasket, Odometer Drive	58	0423-450	4	● Ring, Retaining - Universal Joint
28	0829-023	2	Pin, Solid Dowel	59	0827-013	2	Nut, Hex
29	0822-049	1	Housing, Speedometer Sensor				(Continued on Page 30)
30	0830-107	2	Seal, Fastener				
31	8468-645	2	Screw, Machine				

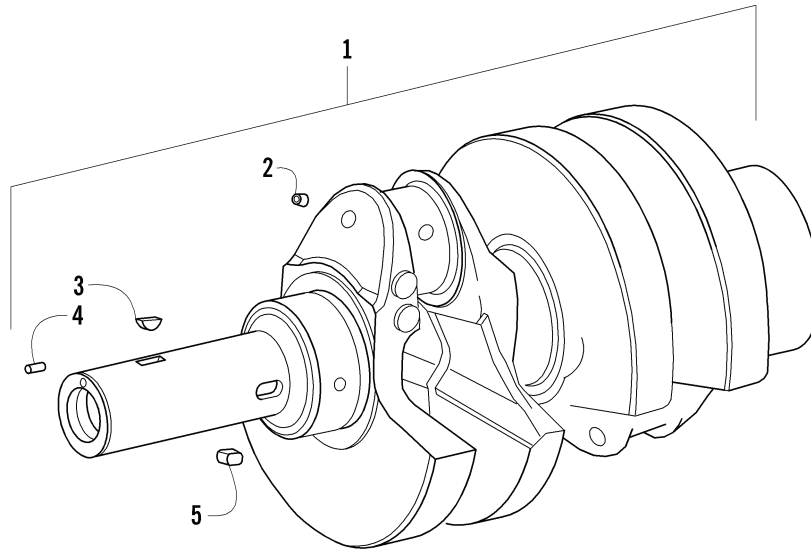


TRANSMISSION LEFT-SIDE ASSEMBLY

(Continued)

0741-914

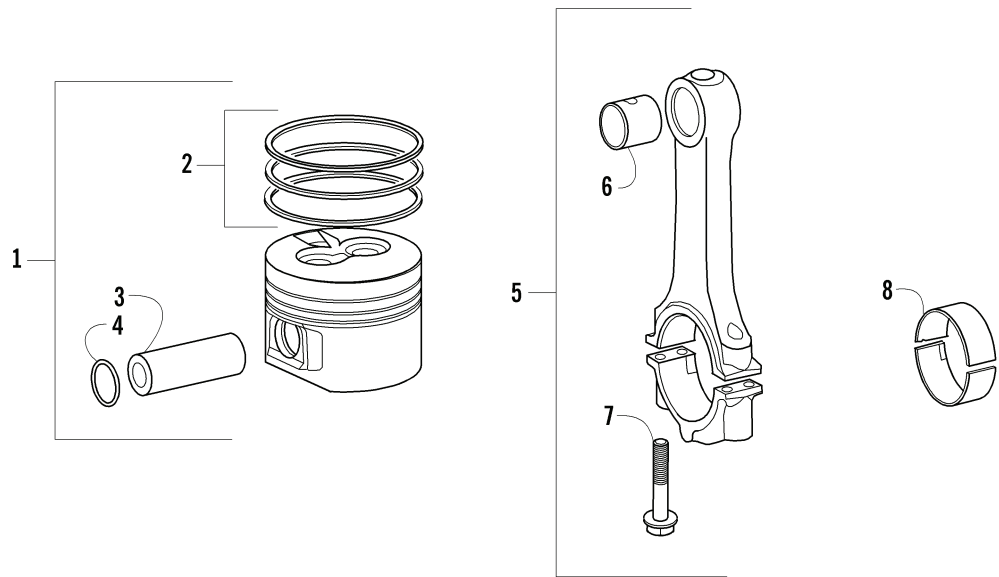
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
60	0828-020	2	Washer	69	0819-011	1	Ring, Driven Bearing
61	0819-061	1	Yoke, Drive Output - Front Assembly	70	0819-005	1	Flange, Output Joint - Assembly
62	0830-043	2	Seal, Oil - Driven Shaft	71	0470-689	1	Level Stick, Lubricant
63	0832-017	1	Bearing, Driven Shaft	72	2506-388	1	Tube, Level Stick
64	0828-026	1	Shim, 25 x 34 x 1.00	73	0423-465	1	Grommet
65	1402-554	1	Shaft, Output - Secondary	74	2506-445	1	Bracket, Level Stick Tube
66	0819-002	1	Gear, Secondary Driven	75	0423-715	1	O-Ring
67	1402-555	1	Sleeve, Bearing - Output Shaft	76	0423-396	2	Screw, Self-Tapping
68	0832-016	1	Bearing, Driven Gear				



CRANKSHAFT ASSEMBLY

0741-807

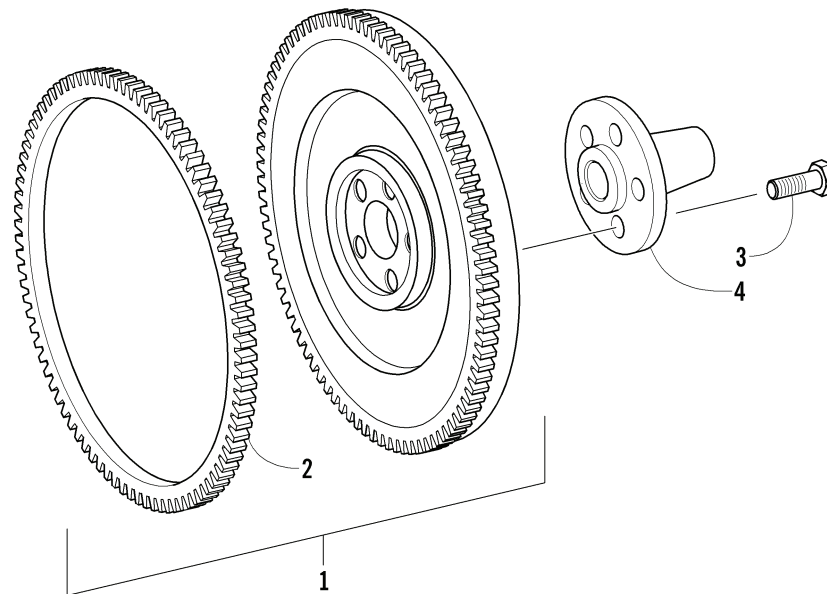
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-019	1	Crankshaft Assembly (inc. 2-5)	4	3206-022	1	● Pin
2	3206-020	2	● Plug	5	3206-021	1	● Key
3	3206-018	1	● Key				



PISTON SET AND CONNECTING ROD ASSEMBLY

0741-808

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

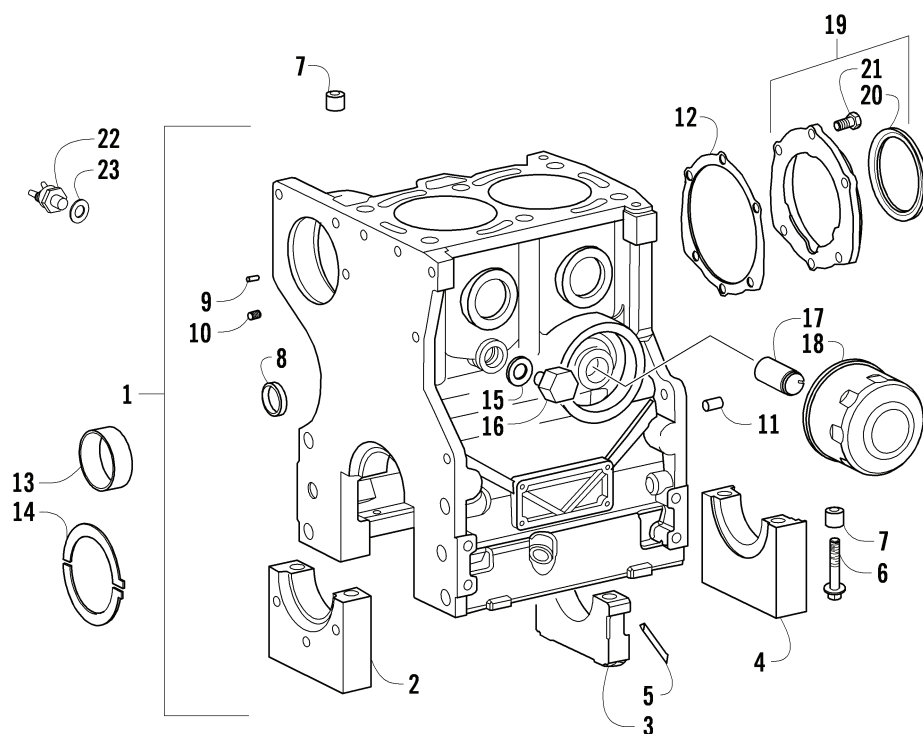


FLYWHEEL AND CROWN GEAR ASSEMBLY

0741-809

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-040	1	Flywheel (inc. 2)	3	8409-040	5	Bolt
2	3206-037	1	● Gear, Crown	4	1402-560	1	Axle, Stub

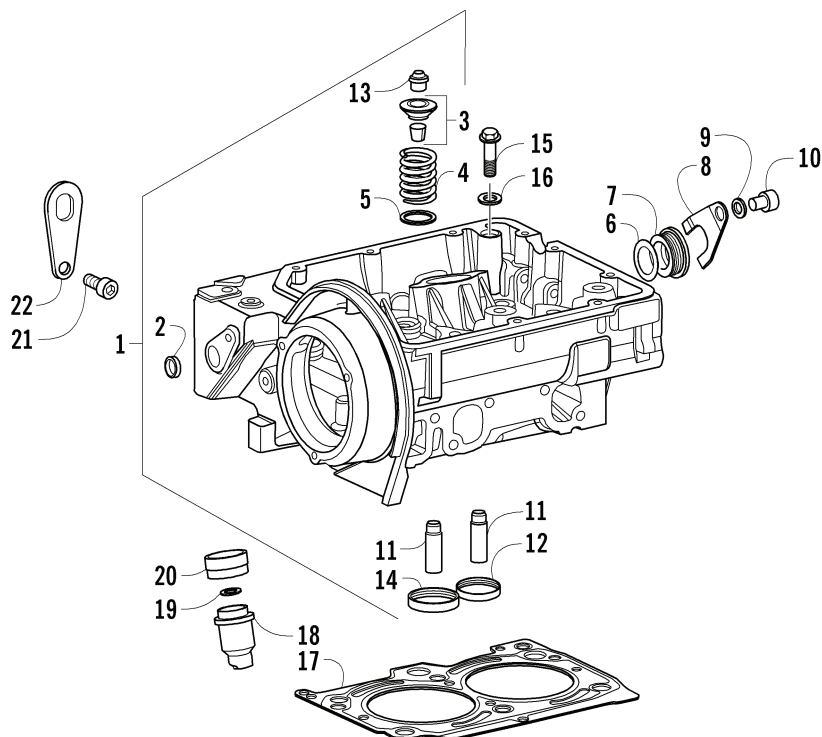
34



CRANKCASE, CRANKSHAFT SUPPORT, AND OIL FILTER ASSEMBLIES

0743-399 *Not a Service Part

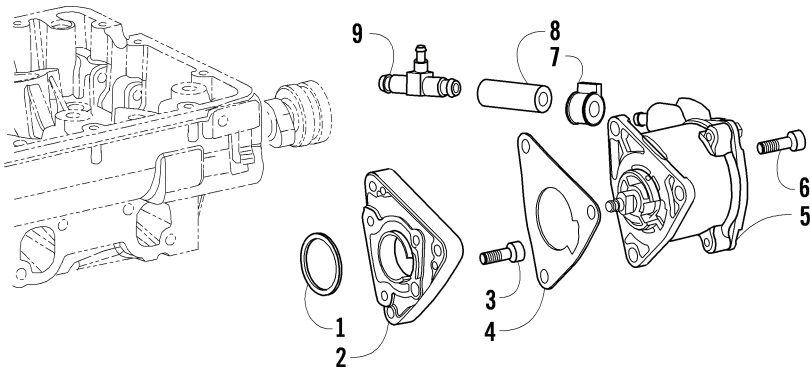
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-046	1	Crankcase (inc. 2-6, two No. 7, and 8-10)	14	3206-050	2	Washer
2	*	1	● Housing - Front		3206-051	2	Washer (+0.10 mm)
3	*	1	● Housing - Center		3206-052	2	Washer (+0.20 mm)
4	*	1	● Housing - Rear	15	3206-206	1	Gasket
5	3206-054	4	● Gasket	16	3206-207	1	Plug
6	3206-049	6	● Screw	17	3206-193	1	Connector, Oil Filter
7	3206-045	4	● Sleeve	18	3206-194	1	Cartridge, Oil Filter
8	3206-058	1	● Pin, Tapered	19	3206-090	1	Flange, Engine (inc. 20-21)
9	3206-047	1	● Plug	20	3206-091	1	● Ring
10	3206-048	2	● Plug	21	3206-088	6	● Screw
11	3206-053	2	Pin, Lock	22	<u>3206-377</u>	1	Sensor, Engine Coolant Temperature
12	<u>3206-358</u>	1	Gasket	23	<u>3206-359</u>	1	Gasket
13	3206-055	3	Bearing				
	3206-056	3	Bearing (-0.25 mm)				
	3206-057	3	Bearing (-0.50 mm)				



CYLINDER HEAD AND PRECOMBUSTION CHAMBER ASSEMBLY

0741-814

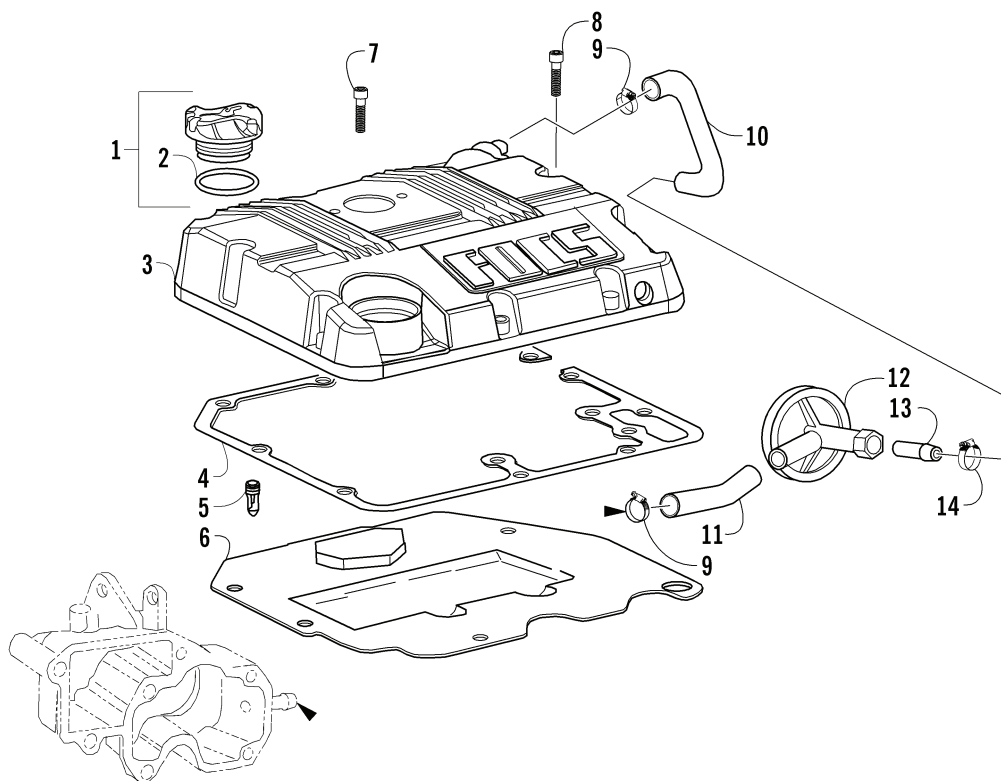
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-063	1	Cylinder Head (inc. 2-14)	13	3206-152	4	● Retainer, Valve
2	3206-065	1	● Plug	14	3206-072	2	● Seat, Intake Valve
3	3206-148	4	● Retainer	15	3206-066	6	Screw
4	3206-147	4	● Spring, Valve	16	3206-064	6	Washer
5	3206-149	4	● Washer	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	1	● 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	3206-376	2	Brace, Lifting
12	3206-073	2	● Seat, Exhaust Valve				



PTO VACUUM PUMP ASSEMBLY

0743-402

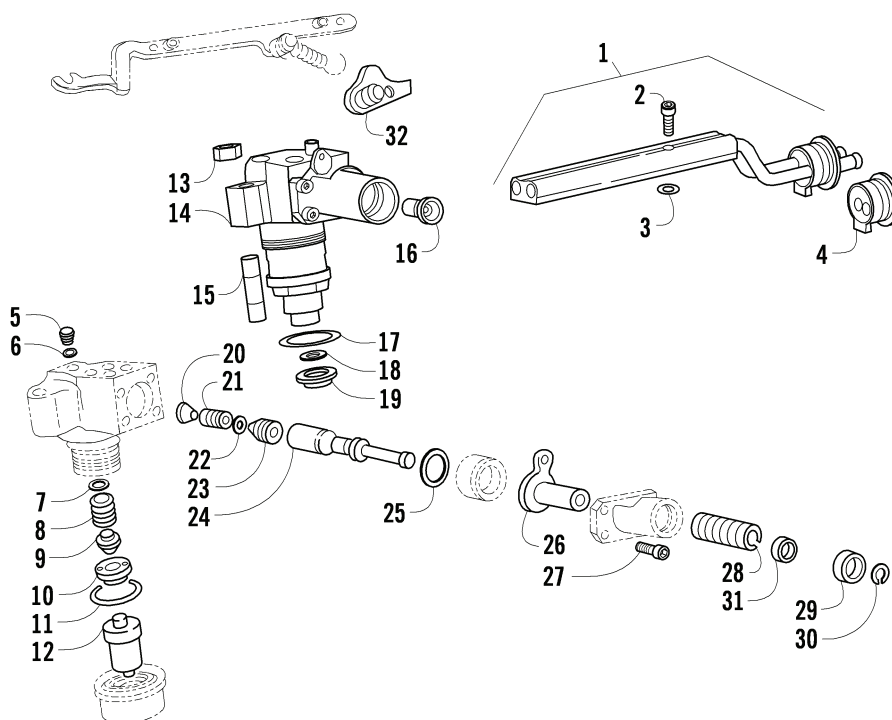
Ref. Part No. Qty. Description				Ref. Part No. Qty. Description			
1	3206-313	1	O-Ring	6	3206-339	3	Screw
2	3206-336	1	Flange, Vacuum Pump	7	3206-342	2	Clamp
3	3206-088	3	Screw	8	3206-340	1	Hose, Union
4	3206-337	1	Gasket	9	3206-341	1	Union
5	3206-338	1	Pump, Vacuum				



ROCKER ARM COVER AND BREATHER SYSTEM ASSEMBLIES

0741-815

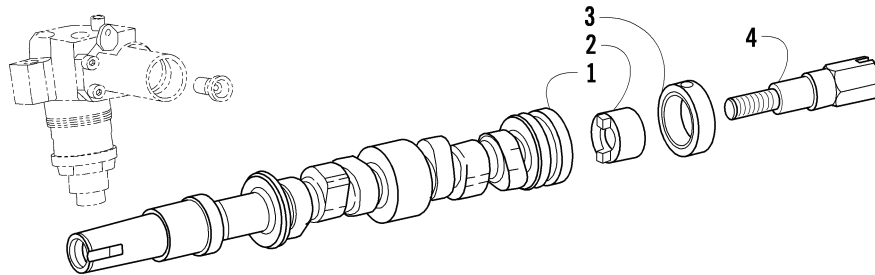
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-081	1	Cap, Oil Filler (inc. 2)	8	<u>3206-370</u>	8	Screw
2	3206-087	1	● O-Ring	9	3206-200	4	Clamp
3	3206-080	1	Cover, Rocker Arm	10	3206-205	1	Hose, Connection
4	3206-086	1	Gasket	11	3206-202	1	Hose, Drain
5	3206-084	1	Connection	12	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



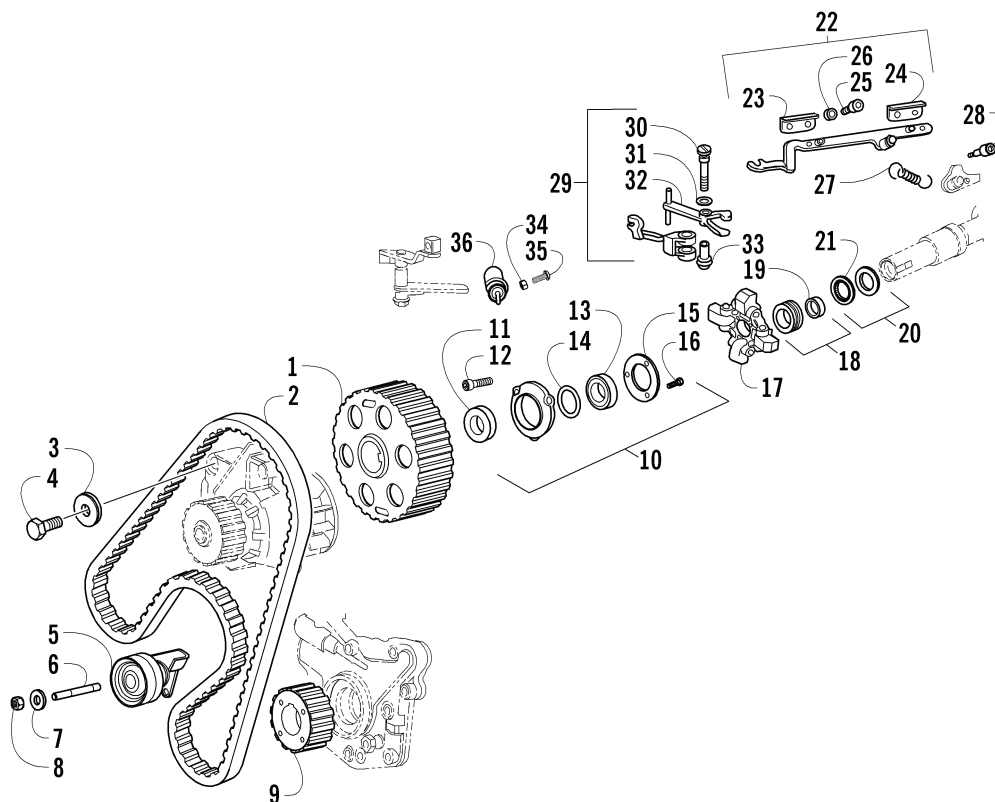
FUEL SYSTEM INJECTION PUMP ASSEMBLY

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	13	3206-245	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, Valve
	3206-107	2	Spacer - 1.60	22	3206-117	2	Gasket, Valve
	3206-108	2	Spacer - 1.50	23	3206-245	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	*	1	Retainer, Lower
11	3206-125	2	O-Ring	32	3206-127	1	Plate, Locking



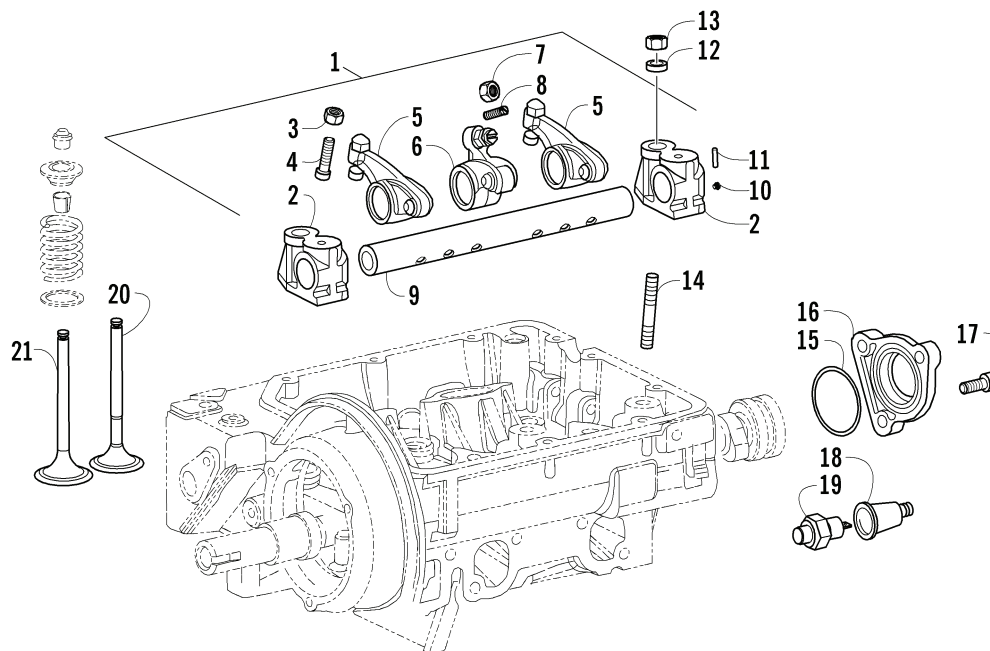
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-129	1	Camshaft	3	3206-128	1	Sleeve
2	3206-131	1	Cam	4	<u>3206-374</u>	1	Screw



CAM PULLEYS, TIMING BELT, AND SPEED GOVERNOR ASSEMBLY

0741-816

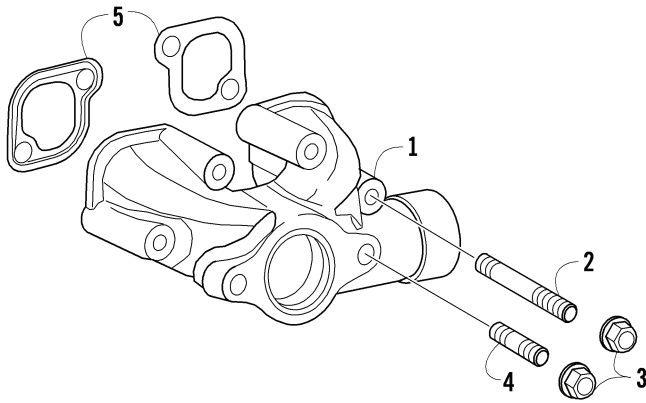
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-153	1	Pulley, Cam Driven	19	3206-216	1	● Sleeve
2	3206-154	1	Belt, Timing	20	3206-217	1	Roller, Thrust (inc. 21)
3	3206-156	1	Washer	21	3206-215	1	● Washer, Thrust
4	3206-155	1	Screw	22	3206-218	1	Rail, Injection Pump (inc. 23-26)
5	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
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	Flange
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				

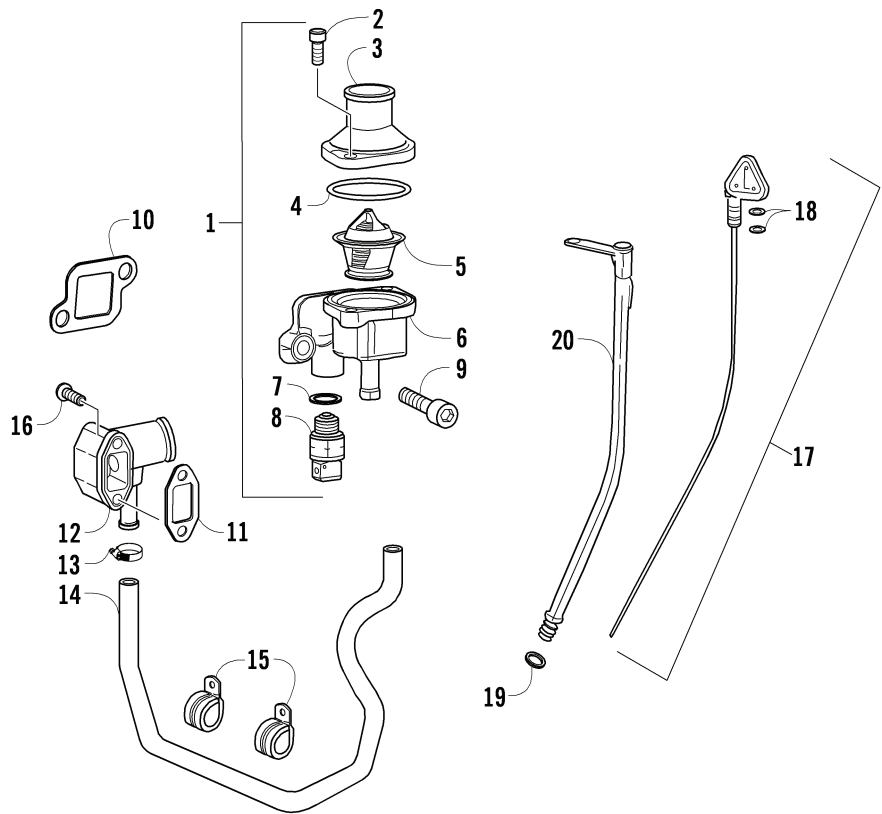


EXHAUST MANIFOLD ASSEMBLY

0743-414

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-373	1	Manifold, Exhaust w/Front Outlet	4	3206-297	2	Stud
2	3206-292	4	Stud	5	3206-291	2	Gasket, Exhaust Manifold
3	3206-293	6	Nut				

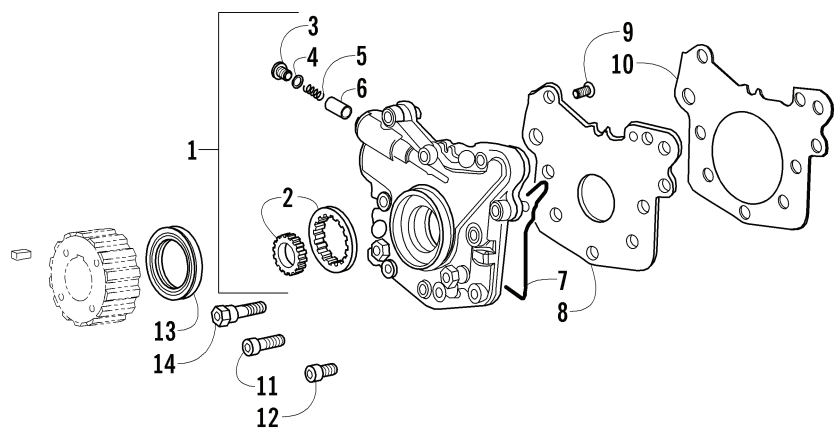
44



THERMOSTAT, WATER INLET FLANGE, AND OIL LEVEL STICK ASSEMBLIES

0743-415

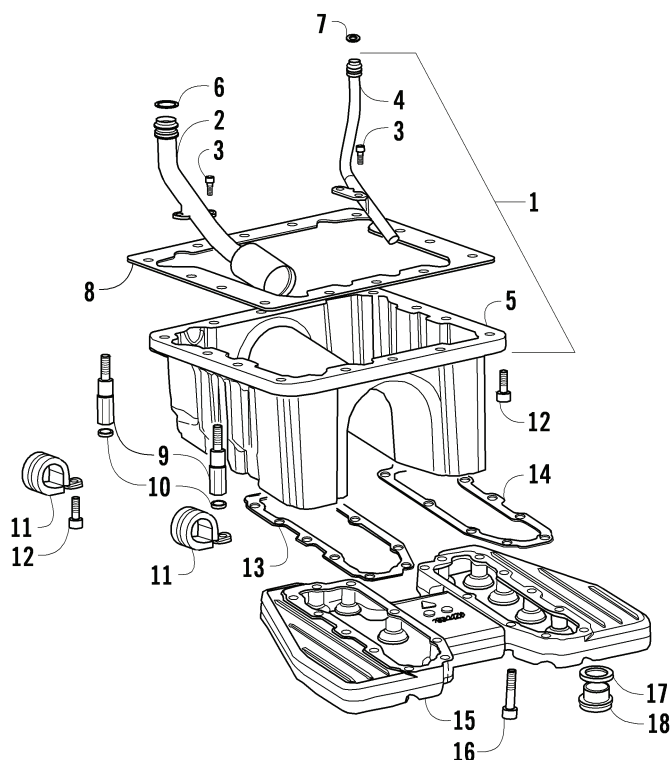
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-262	1	Thermostat - Assembly (inc. 2-8)	11	3206-268	1	Gasket
2	3206-169	2	● Screw	12	3206-372	1	Flange
3	3206-259	1	● Cover, Thermostat	13	3206-200	2	Clamp
4	3206-260	1	● O-Ring	14	0410-111	1	Hose
5	3206-261	1	● Thermostat	15	3206-190	2	Clamp
6	3206-263	1	● Body, Thermostat - Assembly	16	3206-267	2	Screw
7	3206-206	1	● Gasket	17	3206-197	1	Stick, Oil Level (inc. 18)
8	3206-265	1	● Sensor/Thermistor, Engine Coolant Temperature	18	3206-198	2	● Seal
9	3206-266	2	Screw	19	3206-195	1	O-Ring
10	3206-264	1	Gasket	20	3206-196	1	Guard, Oil Level Stick



OIL PUMP ASSEMBLY

0741-823 *Not a Service Part

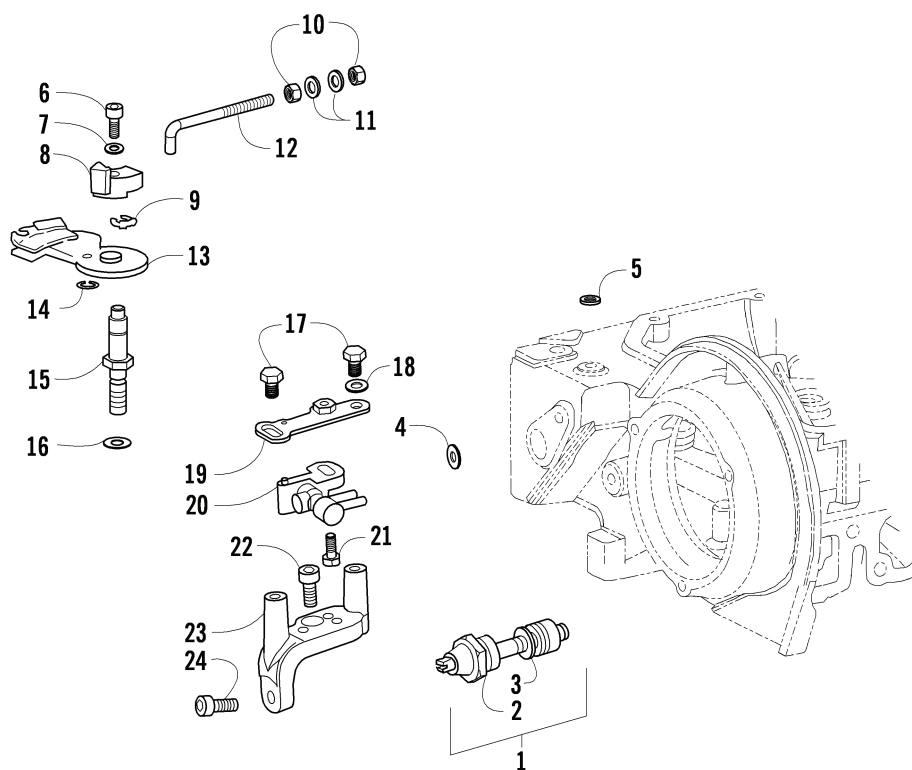
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-171	1	Pump, Oil (inc. 2-10)	8	*	1	● Plate
2	3206-167	1	● Rotor, Oil Pump - Assembly	9	3206-166	3	● Screw
3	3206-163	1	● Plug	10	<u>3206-371</u>	1	● Gasket
4	3206-162	1	● Gasket	11	3206-168	1	Bolt
5	3206-164	1	● Spring, Pressure Valve	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

0743-413 *Not a Service Part

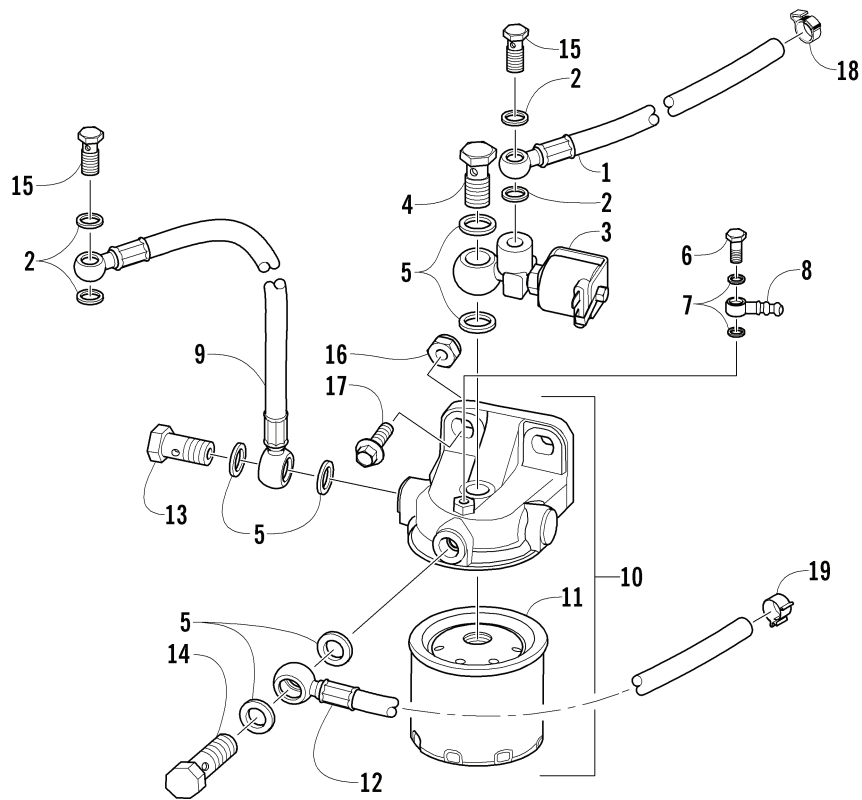
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-179	1	Pan, Oil - Assembly (inc. 2-5)	10	3206-191	2	Washer
2	*	1	● Pipe, Oil - Intake	11	3206-190	2	Clamp
3	3206-183	4	● Screw	12	3206-088	20	Screw
4	*	1	● Pipe, Oil - Return	13	3206-186	1	Gasket
5	*	1	● Pan, Oil	14	3206-187	1	Gasket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



THROTTLE CONTROL AND LOCKED TORQUE DEVICE ASSEMBLIES

0743-416 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-236	1	Device, Locked Torque (inc. 2-3)	13	3206-241	1	Lever, Throttle Control
2	*	1	● Nut	14	3206-242	1	Circlip
3	3206-235	1	● Gasket	15	<u>3206-360</u>	1	Pin
4	<u>3206-364</u>	1	Gasket, Copper	16	3206-246	1	Seal, Oil
5	3206-007	1	Gasket, Copper	17	3206-240	2	Bolt
6	<u>3206-362</u>	1	Screw	18	<u>3206-365</u>	2	Washer
7	<u>3206-238</u>	1	Washer	19	<u>3206-366</u>	1	Safety Plate
8	<u>3206-363</u>	1	Sensor, Cam	20	<u>3206-367</u>	1	Valve, Vacuum
9	<u>3206-243</u>	1	Circlip	21	<u>3206-378</u>	1	Bolt
10	3206-237	2	Nut	22	<u>3206-368</u>	1	Screw
11	3206-238	2	Washer	23	<u>3206-369</u>	1	Support
12	3206-239	1	Rod, Tie	24	<u>3206-370</u>	1	Screw

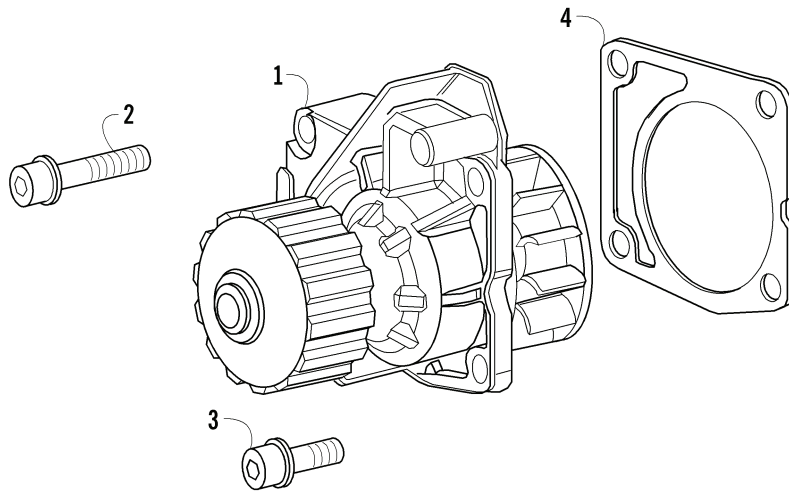


FUEL FILTER, ELECTRO-VALVE, AND HOSES ASSEMBLY

0742-741

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-335	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)				

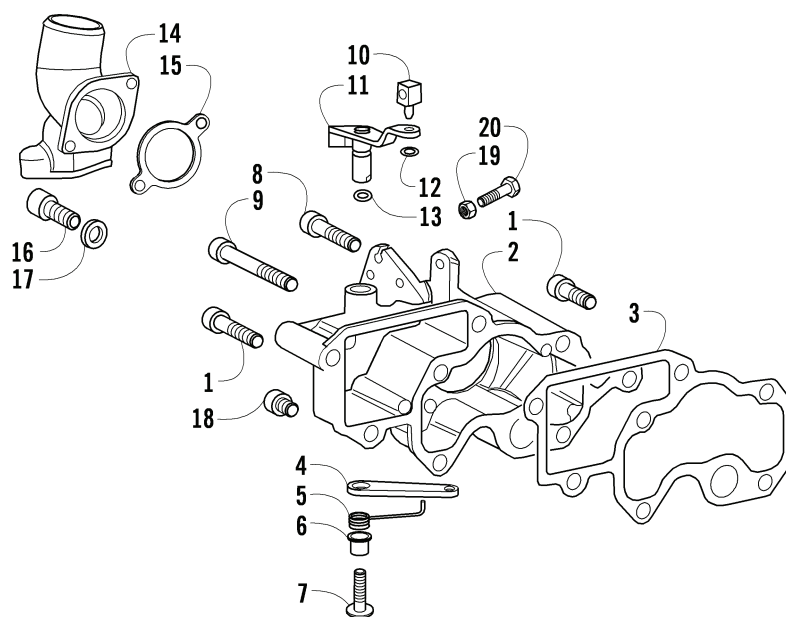
50



WATER PUMP ASSEMBLY

0741-827

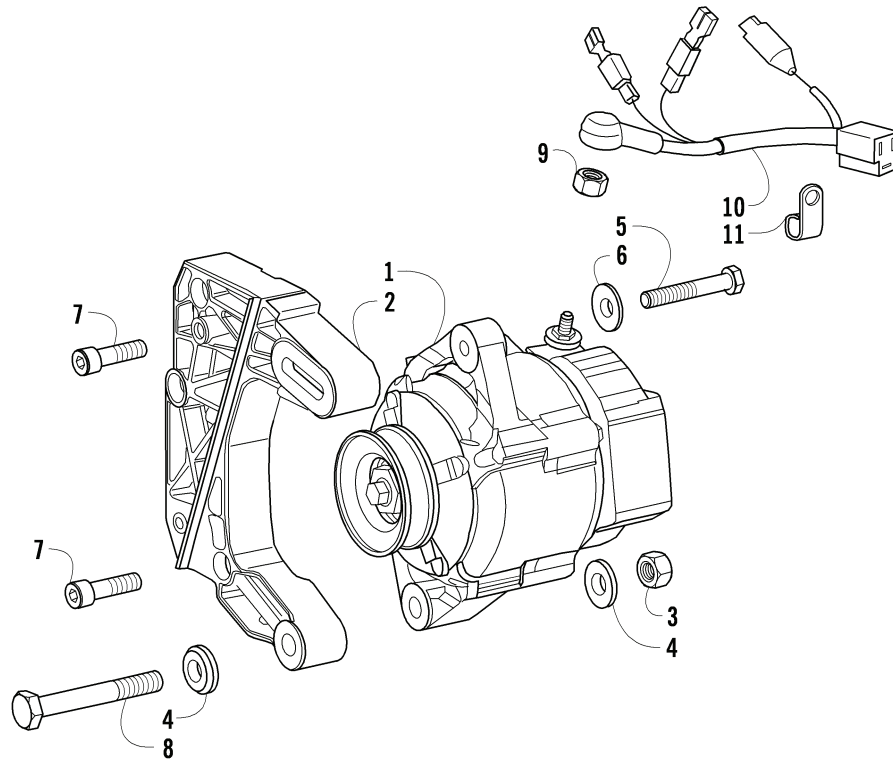
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-271	1	Pump, Water - Assembly	3	3206-274	2	Screw
2	3206-273	2	Screw	4	3206-272	1	Gasket



INTAKE MANIFOLD AND THROTTLE CONTROL ASSEMBLY

0743-418

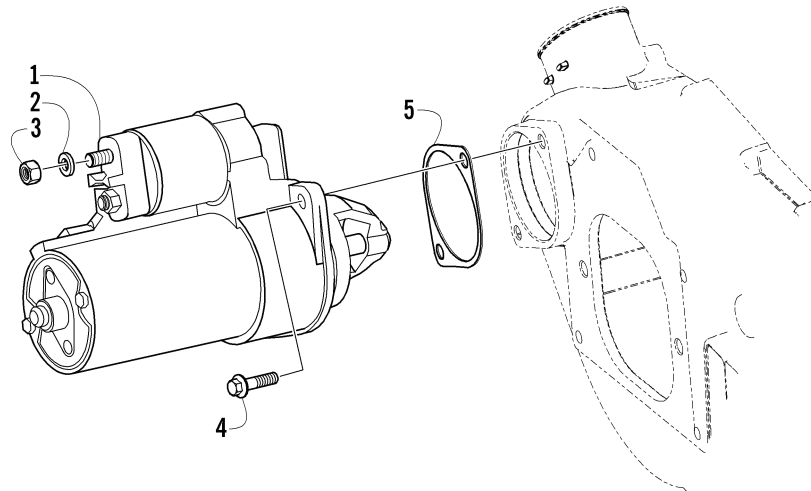
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-276	3	Screw	11	3206-287	1	Lever, External
2	3206-278	1	Manifold, Intake	12	3206-242	1	Circlip
3	3206-277	1	Gasket, Intake Manifold	13	3206-281	1	O-Ring
4	3206-286	1	Lever, Internal	14	<u>3206-357</u>	1	Flange, Intake
5	3206-283	1	Spring, 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



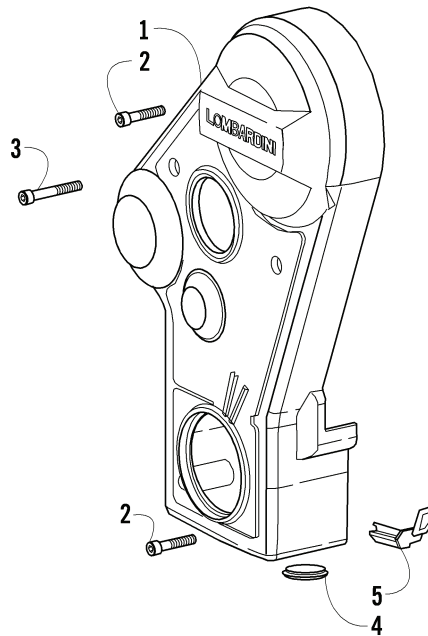
EXTERNAL ALTERNATOR ASSEMBLY

0743-419

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-303	1	Alternator	7	3206-266	3	Screw
2	3206-300	1	Support, Alternator	8	3206-299	1	Bolt
3	3206-142	1	Nut	9	3206-137	1	Nut
4	3206-298	2	Washer	10	3206-324	1	Wire w/Diode
5	3206-301	1	Bolt	11	3206-325	1	Clamp
6	3206-302	1	Washer				



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3206-319	1	Motor, Starter	4	8409-025	2	Screw, Cap
2	3206-322	1	Washer, Lock	5	1402-525	1	Gasket, Starter Motor
3	3206-321	1	Nut				

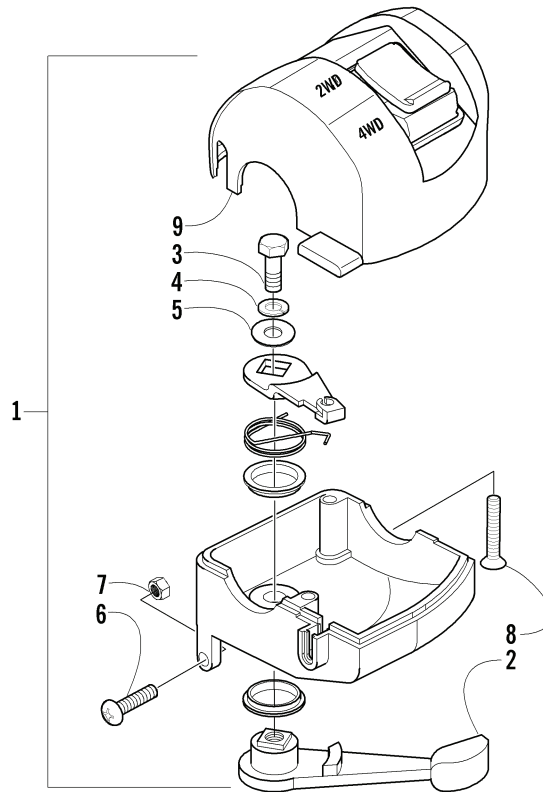


BELT GUARD ASSEMBLY

0743-420

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

56



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				

