



650 3in1

ZUGMASCHINE



2008

frame number: *VADA644AV80X10001* - *VADA644AV80X10160*

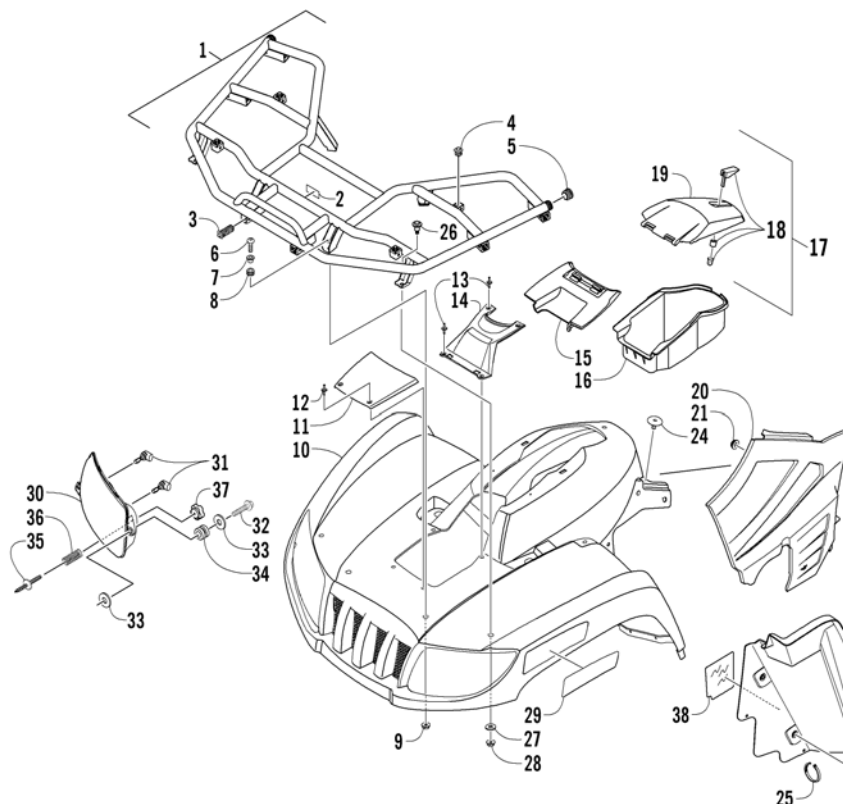
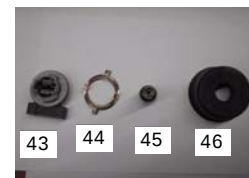
Illustrated Parts Manual

TABLE OF CONTENTS

2008 ATV 650 H1 3in1 Zugmaschine

FRONT BODY PANEL ASSEMBLY	1
REAR BODY PANEL ASSEMBLY	2
TAILLIGHT ASSEMBLY	3
DECALS	4
DECALS (LE)	5
FRAME AND RELATED PARTS	6
WINCH ASSEMBLY (LE)	7
SEAT AND BACKREST ASSEMBLY	8
STEERING POST ASSEMBLY	9
HANDLEBAR ASSEMBLY	10
HANDLEBAR AND WINDSHIELD ASSEMBLY (LE)	11
FRONT SUSPENSION ASSEMBLY	12
REAR SUSPENSION ASSEMBLY	13
WHEEL AND TIRE ASSEMBLY	14
WHEEL AND TIRE ASSEMBLY (LE)	15
AUXILIARY BRAKE ASSEMBLY	16
HYDRAULIC HAND BRAKE ASSEMBLY	17
HYDRAULIC BRAKE ASSEMBLY	18
GAS TANK ASSEMBLY	19
REVERSE SHIFT LEVER ASSEMBLY	20
AIR INTAKE ASSEMBLY	21
BATTERY ASSEMBLY	22
ENGINE AND EXHAUST	23
COOLING ASSEMBLY	24
CASE/BELT COOLING ASSEMBLY	25
DRIVE TRAIN ASSEMBLY	26
FRONT DRIVE GEARCASE ASSEMBLY	27
REAR DRIVE GEARCASE ASSEMBLY	28
WIRING HARNESS ASSEMBLY	29
CARBURETOR	30
CYLINDER HEAD ASSEMBLY	31
CYLINDER ASSEMBLY	32
CRANKCASE ASSEMBLY	33
CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY	34
CRANKSHAFT ASSEMBLY	35
STARTER CLUTCH ASSEMBLY	36
CRANK BALANCER ASSEMBLY	37
CAMSHAFT/VALVE ASSEMBLY	38
CAM CHAIN ASSEMBLY	39
RECOIL STARTER ASSEMBLY	40
OIL FILTER/PUMP ASSEMBLY	41
WATER PUMP ASSEMBLY	42
TRANSMISSION ASSEMBLY	43
SECONDARY TRANSMISSION ASSEMBLY	44
GEAR SHIFTING ASSEMBLY	45
SECONDARY DRIVE ASSEMBLY	46
STARTER MOTOR ASSEMBLY	47
MAGNETO ASSEMBLY	48
CONTROL SWITCH HOUSING ASSEMBLY	49
THROTTLE CASE ASSEMBLY	50
RELATED ITEMS	Back Cover

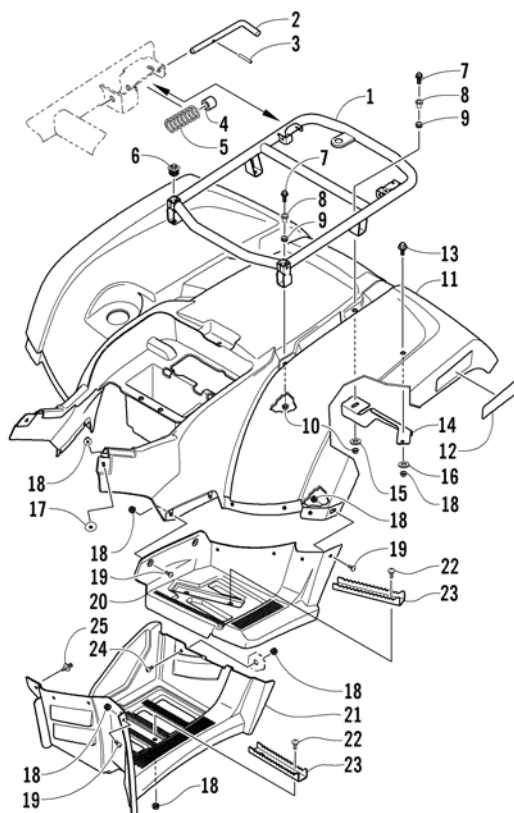
■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2008 model year.



FRONT BODY PANEL ASSEMBLY

0741-491

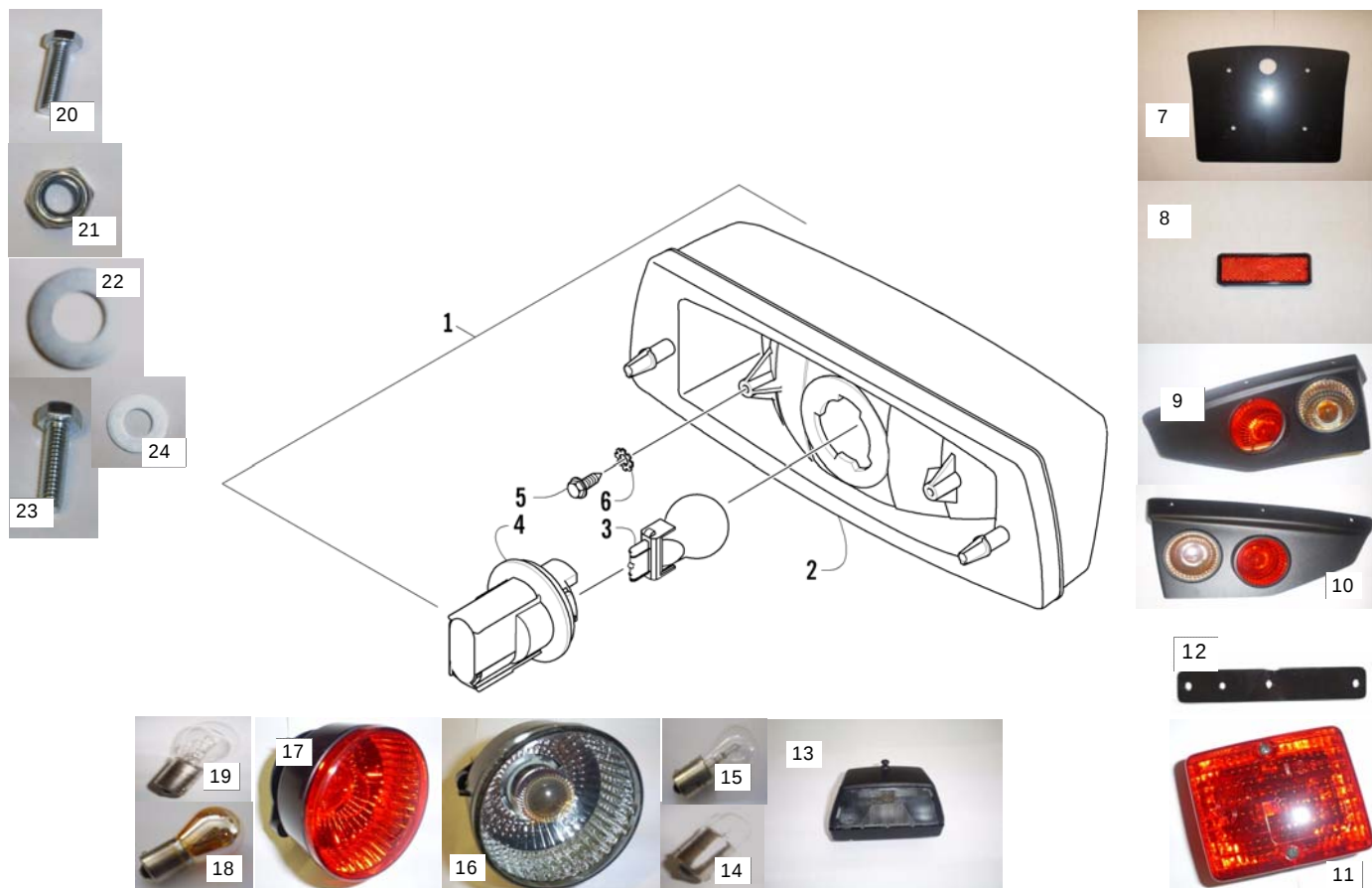
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0541-272	1	Rack, Front - Assembly (inc. 2-5)	23	0423-719	4	Screw, Self-Tapping
2	0411-576	1	ø Decal, Warning - Front Rack Load	24	0423-101	5	Screw, Body
3	2406-014	6	ø Bushing, Rack	25	0123-788	AR	Cable Tie - 7.5 in.
4	0441-592	4	ø Bushing, Rack	26	0423-654	2	Screw, Shoulder
5	1441-049	2	ø Plug, Rack	27	8050-222	2	Washer
6	8410-830	4	Screw, Machine	28	0423-540	2	Nut, Lock
7	0423-669	4	Spacer	29	0411-818	1	Decal, Reflector - Front - Right
8	0423-465	4	Grommet		0411-819	1	Decal, Reflector - Front - Left
9	8432-802	4	Nut, Lock	30	0509-036	1	Headlight Assembly - Right (inc. 31,41-46)
10	2406-453	1	Panel, Fender - Front - Red		0509-037	1	Headlight Assembly - Left (inc. 31,41-46)
	2406-455	1	Panel, Fender - Front - Green (Green)	31	0409-096	2	ø Bulb, Headlight
	2406-454	1	Panel, Fender - Front - Cat Green (Cat Green)	32	0623-785	4	Screw, Self-Tapping
	2406-456	1	Panel, Fender - Front - Black (LE)	33	8050-217	8	Washer
11	1406-358	1	Cover, Access	34	0423-447	4	Grommet
12	0423-535	2	Rivet, Reinstallable	35	0423-514	2	Stud, Adjuster - Headlight
13	0623-362	4	Rivet, Reinstallable	36	0423-522	2	Spring, Adjuster
14	1406-484	1	Cover, Steering Post	37	0423-513	2	Knob, Adjuster
15	0470-513	1	Cover, Storage Box	38	0412-404	1	Shield, Heat
16	1406-573	1	Box, Storage	39	AC008-011	1	Holder Panel Left 500/650
17	2506-234	1	Lid, Storage Box w/Latch (inc. 18-19)	40	AC008-012	1	Holder Panel Right 500/650
18	1406-599	1	ø Latch, Storage Box	41	0409-099	2	Bulb, Turn Signal
19	0470-514	1	ø Lid, Storage Box	42	0409-101	2	Bulb, Position Light
20	2406-324	1	Panel, Side - Lower - Right	43	0409-100	2	Socket, Bulb Turn
	2406-325	1	Panel, Side - Lower - Left	44	0409-097	2	Retainer Bulb
21	0423-678	8	Grommet	45	0409-102	2	Socket, Bulb Position Light
22	1406-354	1	Panel, Splash - Right	46	0409-098	2	Boot H/L Rubber
	1406-355	1	Panel, Splash - Left				



REAR BODY PANEL ASSEMBLY

0741-432

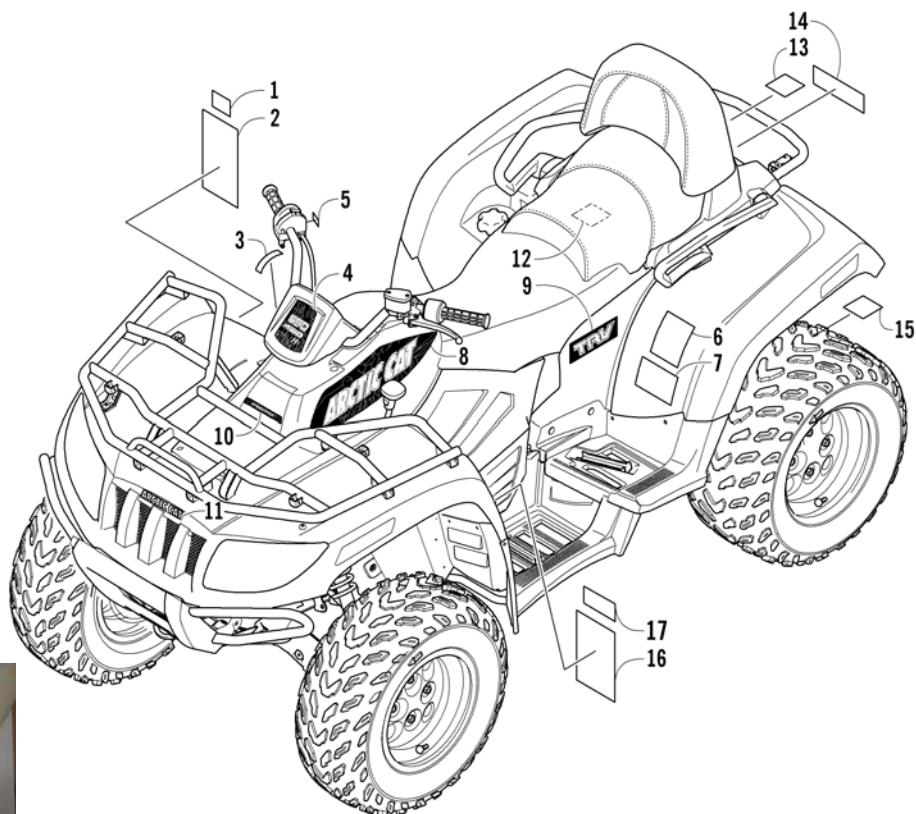
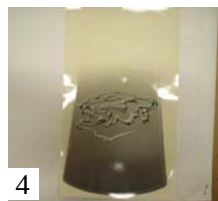
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>2506-221</u>	1	Rack, Rear - Assembly (inc. 2-6)	14	2506-092	1	Bracket, Rear Fender - Right
2	<u>0541-504</u>	2	ø Pin - Assembly (inc. 3)		2506-093	1	Bracket, Rear Fender - Left
3	0423-635	2	ø ø Pin, Roll	15	0423-087	2	Washer
4	<u>0423-677</u>	2	ø Collar	16	8050-222	2	Washer
5	0423-636	2	ø Spring	17	0423-101	2	Screw, Body
6	0441-592	4	ø Bushing, Rack	18	0423-540	36	Nut, Lock
7	<u>8410-835</u>	4	Screw, Machine	19	0423-419	22	Screw, Machine
8	<u>0423-669</u>	4	Spacer	20	2406-042	1	Footwell, Rear - Right
9	0423-465	4	Grommet		2406-043	1	Footwell, Rear - Left
10	8432-802	4	Nut, Lock	21	1506-813	1	Footwell - Right
11	<u>2406-484</u>	1	Panel, Fender-Rear (Red-Service)		<u>2406-471</u>	1	Footwell - Left
	<u>2406-485</u>	1	Panel, Fender-Rear (Green-Service)	22	0423-355	8	Screw, Shoulder
	<u>2406-486</u>	1	Panel, Fender-Rear (Lime-Service)	23	1506-125	4	Footpeg
	<u>2406-470</u>	1	Panel, Fender - Black (LE)	24	8477-620	2	Screw, Machine
12	0411-820	1	Decal, Reflector - Right	25	0623-362	2	Rivet, Reinstallable
	0411-821	1	Decal, Reflector - Left				
13	0423-654	2	Screw, Shoulder				



TAILLIGHT ASSEMBLY

0739-667

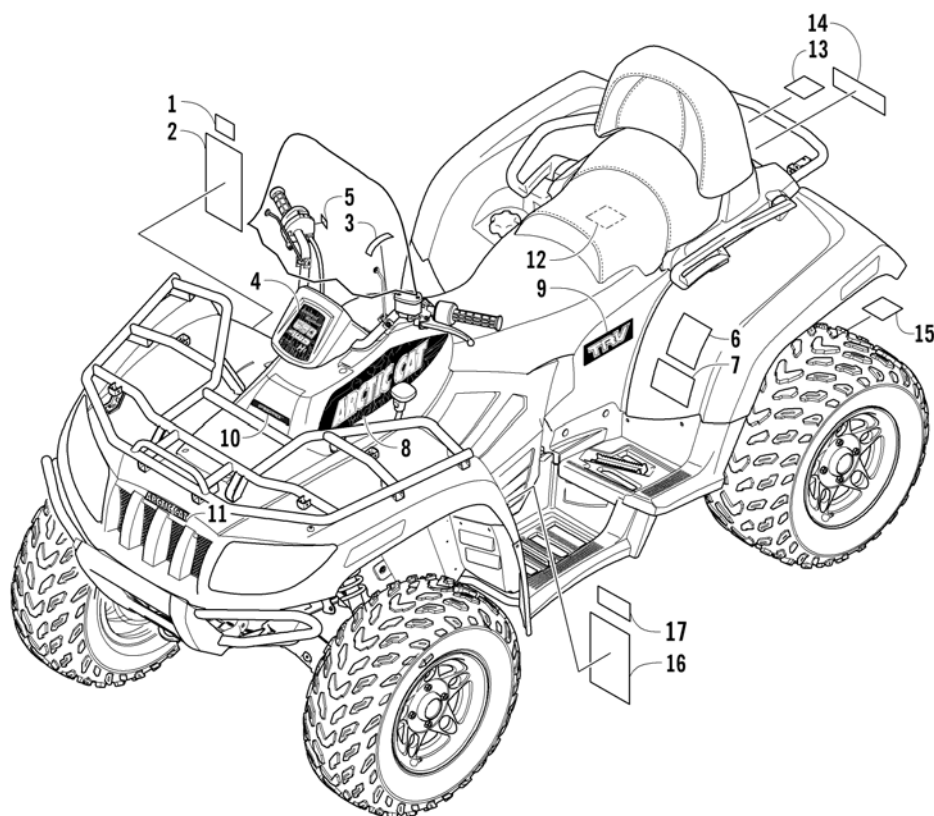
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-022	1	Taillight Assembly (inc. 2-4)	14	AC003-093	1	Bulb 10 Watt
2	0509-025	1	ø Housing, Taillight	15	AC003-094	1	Bulb 21 Watt
3	0409-056	1	ø Bulb, Taillight	16	AC003-029	1	Indicator Rear PROWLER
4	0409-057	1	ø Socket, Taillight	17	AC003-030	1	Brake and Tail Light PROWLER
5	0623-301	2	Screw, Self Tapping	18	AC003-088	1	Indicator Bulb 12V 21W (gelb)
6	8053-212	2	Washer, Lock - External Tooth	19	AC003-097	1	Bulb 21/5 Watt
7	AC008-231	1	Bracket Number Plate 500/650 model 2005/06	20	AC008-247	2	Hexagon Socket Screw M5x20
8	AC008-139	2	Reflector	21	AC008-424	4	Stop Nut M6
9	AC003-063	1	Rear Light Assy Left 3/1 Zugmaschine (inc. 16,17,18,19)	22	AC008-423	2	Large Diameter Washer 6x20
10	AC003-064	1	Rear Light Assy Right 3/1 Zugmaschine (inc. 16,17,18,19)	23	AC008-248	4	Hexagon Socket Screw M6x20
11	AC003-148	1	Fog Light MF	24	AC008-249	4	Washer 6
12	AC008-049	1	Bracket Fog Light				
13	AC003-147	1	Number Plate Light MF				



DECALS

0741-523 *Included on Front Fender Panels

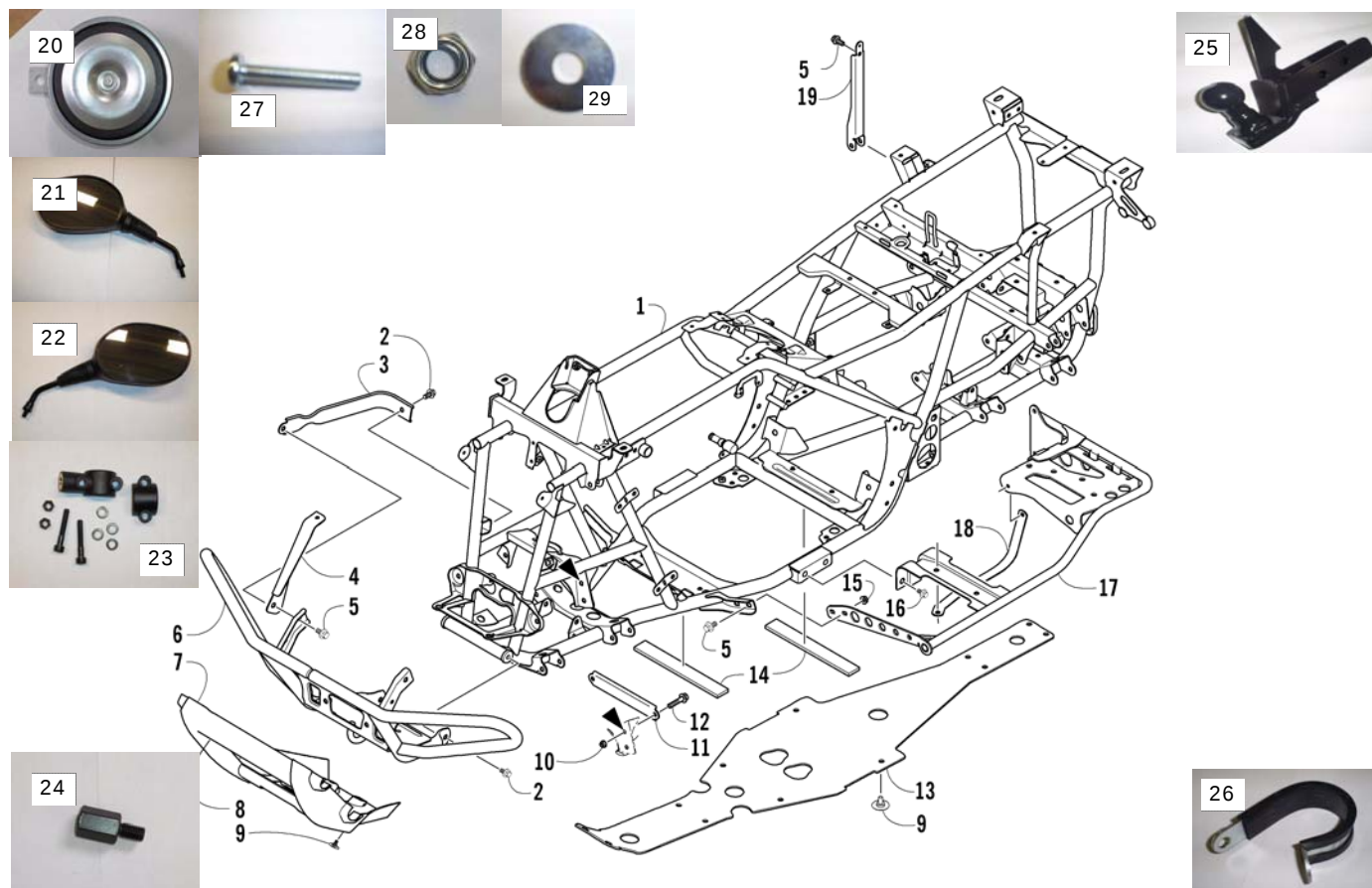
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0411-666	1	Decal, Warning - Reverse/Pre-Ride*		1411-262	2	Decal, Graphic - TRV (Cat Green)
2	0411-894	1	Decal, Warning - Hill		AC001-644	1	ACE Decal Side LH 500/650
3	0411-426	1	Decal, Warning - Clutch Cover		AC001-645	1	ACE Decal Side RH 500/650
4	1411-376	1	Decal, Instrument Pod	10	1411-050	1	Decal, "Speedrack"
	1411-378	1	Decal, Instrument Pod (Green)	11	0411-840	1	Decal, Front
	1411-379	1	Decal, Instrument Pod (Cat Green)		0411-839	1	Decal, Front (Green)
	AC001-639	1	ACE Decal Head 500/650		0411-841	1	Decal, Front (Cat Green)
5	0411-966	1	Decal, Warning - Differential Lock	12	1411-269	1	Decal, Warning - Passenger
6	0411-833	1	Decal, Passenger		AC001-630	1	Decal, Front ARCTIC CAT
7	0411-832	1	Decal, Warning - Tire Pressure	13	1411-251	1	Decal, Warning - Seat/Passenger
8	1411-356	1	Decal, Side - Upper Right	14	0411-814	1	Decal, "Arctic Cat" - White
	1411-357	1	Decal, Side - Upper Left	15	1411-077	1	Decal, Warning - Towing
	1411-358	1	Decal, Side - Upper Right (Green)	16	0411-753	1	Decal, Warning - Age/General*
	1411-359	1	Decal, Side - Upper Left (Green)	17	1411-574	1	Decal, Warning - Off Road Only
	1411-360	1	Decal, Side - Upper Right (Cat Green)	18	AC001-648	1	ACE-Decal 650 LH
	1411-361	1	Decal, Side - Upper Left (Cat Green)		AC001-649	1	ACE-Decal 650 RH
9	1411-264	2	Decal, Graphic - TRV				
	1411-266	2	Decal, Graphic - TRV (Green)				



DECALS (LE)

0741-592 *Included on Front Fender Panels

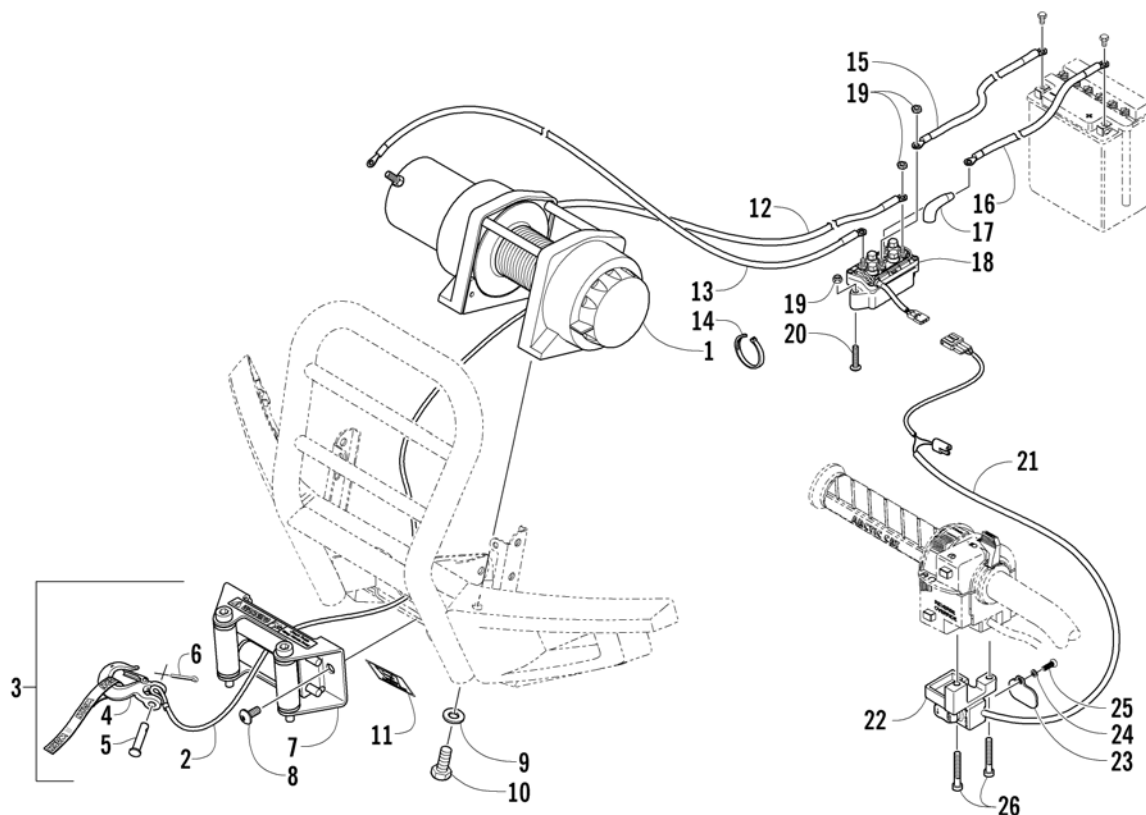
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0411-666	1	Decal, Warning - Reverse/Pre-Ride*	9	1411-267	2	Decal, Graphic - TRV
2	0411-894	1	Decal, Warning - Hill	10	1411-050	1	Decal, "Speedrack"
3	0411-426	1	Decal, Warning - Clutch Cover	11	<u>1441-525</u>	1	Decal, Front
4	<u>1411-268</u>	1	Decal, Instrument Pod	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	0411-814	1	Decal, "Arctic Cat" - White
7	0411-832	1	Decal, Warning - Tire Pressure	15	1411-077	1	Decal, Warning - Towing
8	<u>1411-366</u>	1	Decal, Side - Upper Right	16	0411-753	1	Decal, Warning - Age/General*
	<u>1411-367</u>	1	Decal, Side - Upper Left	17	<u>1411-574</u>	1	Decal, Warning - Off-Road Only



FRAME AND RELATED PARTS

0741-436

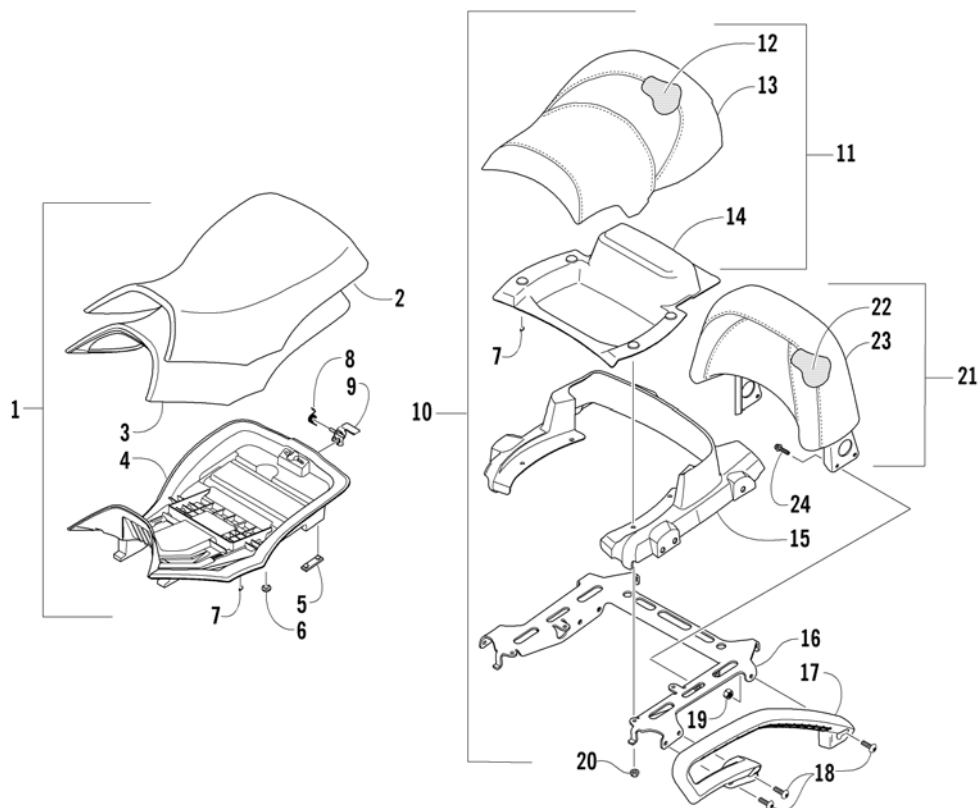
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2506-047	1	Frame, Main		1506-849	1	Footrest - Left
2	8409-020	4	Screw, Cap	18	2406-216	1	Strap, Footrest - Right
3	1506-725	2	Channel, Bumper Mounting		2406-217	1	Strap, Footrest - Left
4	1506-562	1	Bracket, Mounting - Bumper - Right	19	1506-548	1	Channel, Shock Support
	1506-563	1	Bracket, Mounting - Bumper - Left	20	AC003-158	1	Horn
5	8408-816	11	Screw, Cap		2406-321	1	Bracket Mount Horn
6	1506-855	1	Bumper	21	AC008-751	1	Mirror Left
7	1406-360	1	Grille, Bumper	22	AC008-752	1	Mirror Right
8	0423-419	2	Screw, Machine	23	AC008-753	1	Mirror Mounting Left
9	0423-101	16	Screw, Body	24	AC008-403	1	Mirror Adapter 2007 Right
10	8428-002	2	Nut, Lock	25	AC008-064	1	Towing Device 400/500/650
11	1506-429	1	Brace, A-Arm	26	AC008-050	2	Pipe Clamp 30/15
12	8409-025	2	Screw, Cap	27	AC008-244	3	Lens Head Screw M5x35
13	2406-091	1	Panel, Belly	28	AC008-227	3	Stop Nut M10
14	0406-289	2	Pad, Frame	29	AC008-246	3	Large Diameter Washer 5x15
15	8424-802	4	Nut, Flange				
16	8409-016	4	Screw, Cap				
17	1506-848	1	Footrest - Right				



WINCH ASSEMBLY (LE)

0740-477

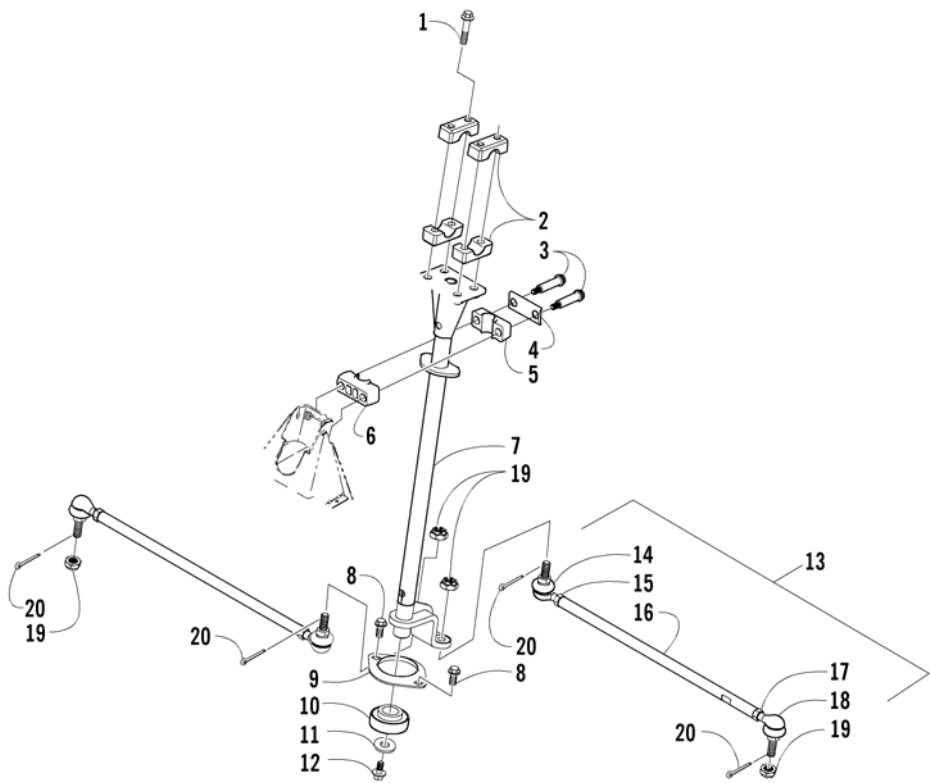
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0441-490	1	Winch (inc. 2)	14	0123-788	AR	Cable Tie - 7.5 in.
2	0441-061	1	ø Cable, Winch	15	1441-112	1	Cable, Solenoid/Battery - Black
3	0441-426	1	Hook, Winch w/Strap - Assembly (inc. 4-6)	16	1441-113	1	Cable, Solenoid/Battery - Red
4	1441-131	1	ø Hook, Winch w/Strap	17	0441-060	3	Boot, Terminal
5	1441-130	1	ø Pin	18	0409-066	1	Solenoid
6	1441-129	1	ø Cotter Pin	19	0623-038	6	Nut w/Washer
7	0441-403	1	Roller, Winch	20	8476-625	2	Screw, Machine
8	8468-820	2	Screw, Machine	21	0409-065	1	Switch, Control
9	8051-246	4	Washer, Lock	22	0409-034	1	Holder, Control Switch
10	1623-131	4	Screw, Cap	23	0409-075	1	Cover, Switch
11	0411-433	1	Decal, Winch	24	8051-212	1	Washer
12	1441-111	1	Cable, Winch/Solenoid - Yellow	25	0423-382	1	Screw, Self-Tapping
13	1441-110	1	Cable, Winch/Solenoid - Blue	26	8464-560	2	Screw, Machine



SEAT AND BACKREST ASSEMBLY

0740-930

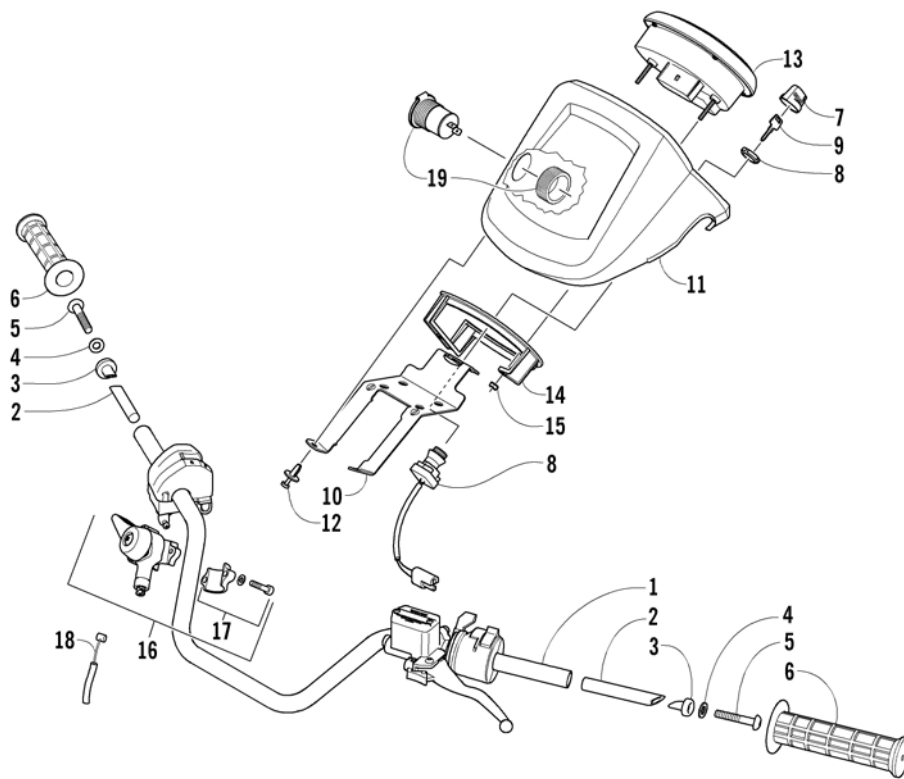
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-937	1	Seat Assembly (inc. 2-9)	13	1506-815	1	ø ø Cover, Seat - Passenger
2	1506-209	1	ø Cover, Seat	14	2406-110	1	ø ø Base, Seat - Inner
3	1506-208	1	ø Foam, Seat	15	2406-044	1	ø Base, Seat - Passenger
4	2406-144	1	ø Base, Seat - Assembly (inc. 5-6)	16	1506-932	1	ø Bracket, Seat Support - Assembly
5	0406-879	2	ø ø Bumper, Seat - Rear	17	2406-112	1	ø Handhold, Passenger - Right
6	0406-877	4	ø ø Bumper, Seat - Front		2406-113	1	ø Handhold, Passenger - Left
7	0624-528	AR	ø Staple	18	0423-362	6	ø Screw
8	1406-592	1	ø Spring, Seat Latch	19	8432-802	6	ø Nut, Hex
9	1506-156	1	ø Latch, Seat	20	0624-250	4	ø Nut, Lock
10	1506-938	1	Seat, Passenger - Assembly (inc. 11-20)	21	1506-939	1	Backrest Assembly (inc. 22-23)
11	2506-064	1	ø Seat, Passenger - Sub-Assembly (inc. 7 and 12-14)	22	1506-818	1	ø Foam, Backrest
12	1506-816	1	ø ø Foam, Seat - Passenger	23	1506-817	1	ø Cover, Backrest
				24	8408-816	4	Screw



STEERING POST ASSEMBLY

0739-774

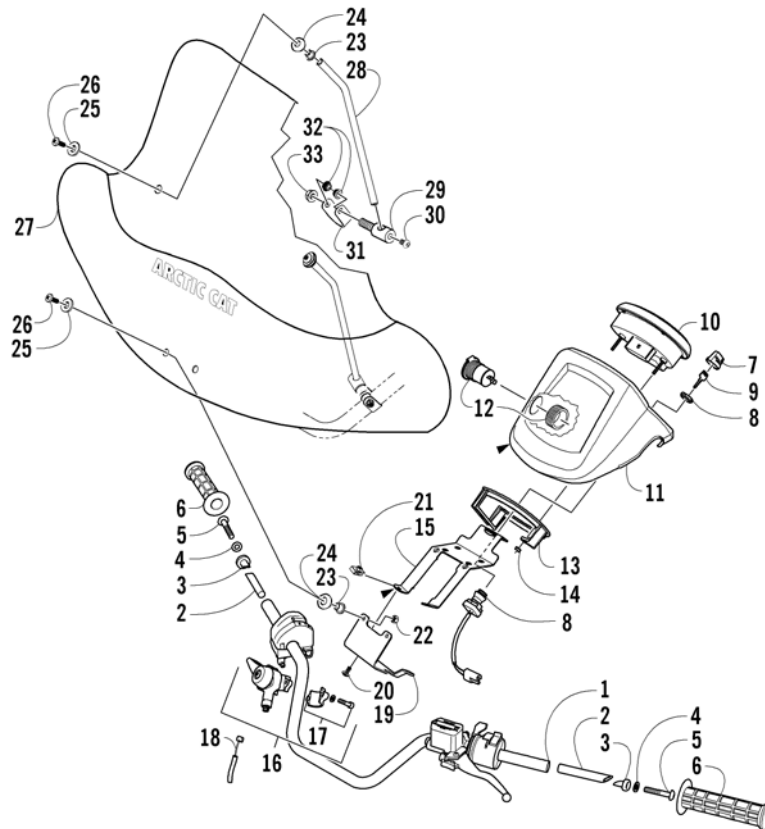
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	11	0423-073	1	Washer
2	0405-035	4	Cap, Steering Adjuster	12	8409-020	1	Screw, Cap
3	0423-505	2	Screw, Shoulder	13	0505-408	2	Tie Rod - Assembly (inc. 14-18)
4	0405-166	1	Cap, Housing	14	0405-083	2	ø Ball Joint, Tie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

0740-877

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0505-476</u>	1	Tube, Handlebar	10	1506-578	1	Bracket, Mounting - Instrument Pod
2	0405-218	2	Plug, Handlebar	11	0405-188	1	Instrument Pod
3	0405-149	2	End Cap, Handlebar		0405-189	1	Instrument Pod (Green)
4	8050-247	2	Washer		0405-190	1	Instrument Pod (Cat Green)
5	8477-845	2	Screw, Machine	12	0423-535	2	Rivet, Reinstallable
6	0405-147	2	Grip, Handlebar	13	<u>0520-028</u>	1	Gauge, LCD
7	0409-013	1	Cover, Key	14	0420-065	1	Clamp, Plastic
8	0430-036	1	Switch, Ignition - Assembly (inc. 9)	15	0423-493	2	Nut, w/Washer
9	3409-007	1	ø Key, Ignition - Blank (C Series)	16	0502-527	1	Control, Differential Lock (inc. 17)
	3409-011	1	ø Key, Ignition - Blank (D Series)	17	0502-613	1	ø Clamp, Differential Lock Control - Kit
	3409-012	1	ø Key, Ignition - Blank (E Series)	18	0487-030	1	Cable, Differential Lock
	3409-013	1	ø Key, Ignition - Blank (F Series)	19	0641-897	1	Outlet, Accessory - 12V

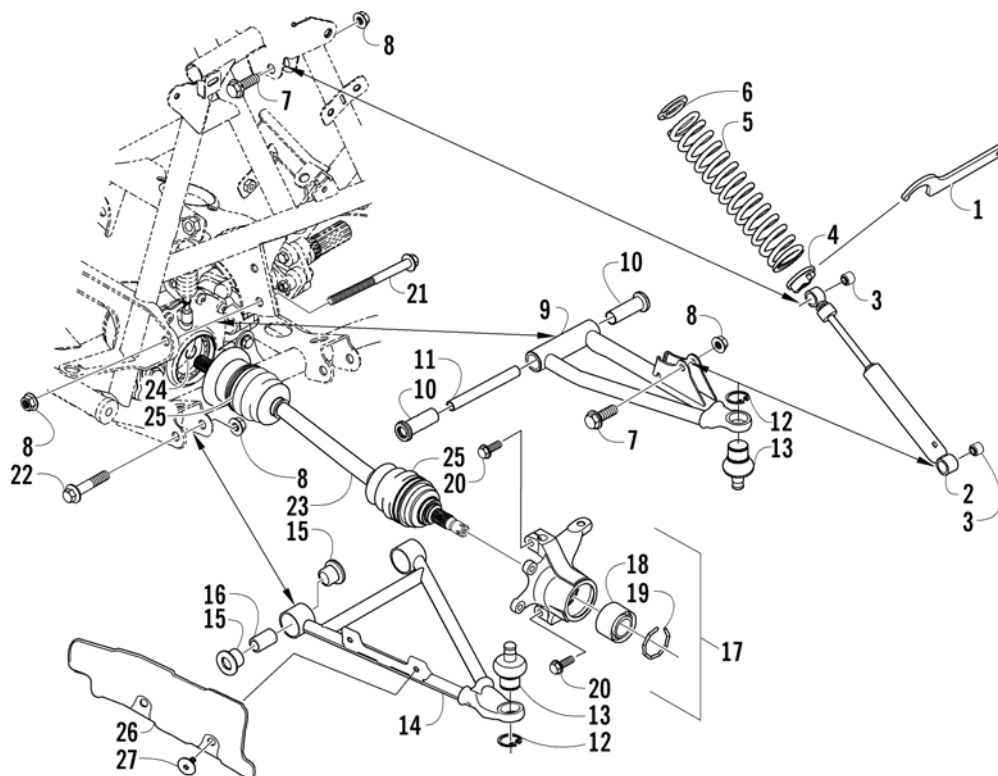


HANDLEBAR AND WINDSHIELD ASSEMBLY (LE)

(Complete Windshield Kit p/n 0436-623)

0741-599 *Not Illustrated

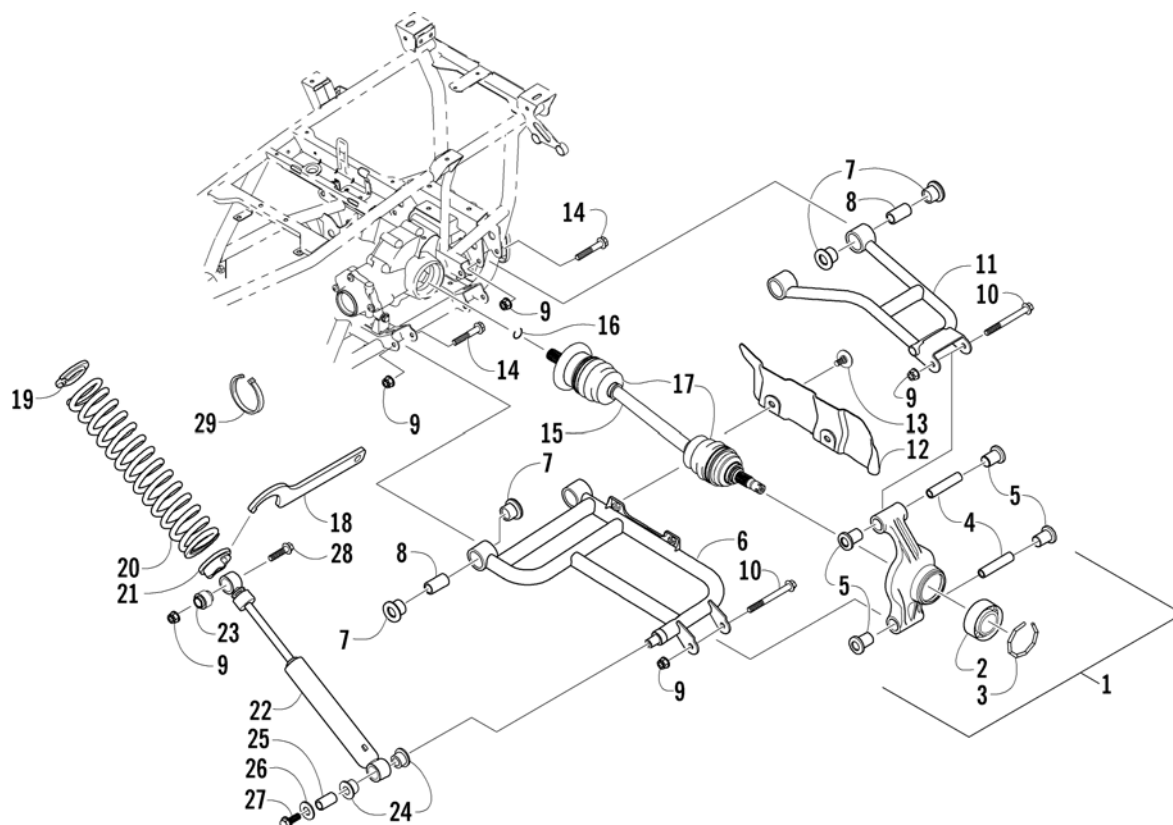
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0505-476	1	Tube, Handlebar	17	0502-613	1	ø Clamp, Differential Lock Control - Kit
2	0405-218	2	Plug, Handlebar	18	0487-030	1	Cable, Differential Lock
3	0405-149	2	End Cap, Handlebar	19	0541-300	1	Bracket, Mounting - Windshield
4	8050-247	2	Washer	20	8471-616	2	Screw, Machine
5	8477-845	2	Screw, Machine	21	0423-549	2	Clip
6	0405-147	2	Grip, Handlebar	22	0423-531	2	Nut, Lock
7	0409-013	1	Cover, Key	23	1441-054	4	Grommet, Cap
8	0430-036	1	Switch, Ignition - Assembly (inc. 9)	24	1441-062	5	Grommet, Rubber
9	3409-007	1	ø Key, Ignition - Blank (C Series)	25	0423-528	4	Washer
	3409-011	1	ø Key, Ignition - Blank (D Series)	26	0423-527	4	Screw, Machine
	3409-012	1	ø Key, Ignition - Blank (E Series)	27	1441-058	1	Windshield
	3409-013	1	ø Key, Ignition - Blank (F Series)	28	1441-057	2	Rod, Support
10	0520-025	1	Gauge, LCD	29	1441-166	2	Bolt, Windshield
11	0405-191	1	Instrument Pod	30	0423-529	2	Screw, Machine
12	0641-897	1	Outlet, Accessory - 12V	31	1441-053	2	Bracket, Clamp
13	0420-065	1	Clamp, Plastic	32	1441-055	4	Spacer, Clamp
14	0423-493	2	Nut w/Washer	33	0423-530	2	Nut, Lock
15	1506-578	1	Bracket, Mounting - Instrument Pod	*	1441-063	1	Wrench, Allen
16	0502-527	1	Control, Differential Lock (inc. 17)	*	0453-292	1	Instructions



FRONT SUSPENSION ASSEMBLY

0741-444

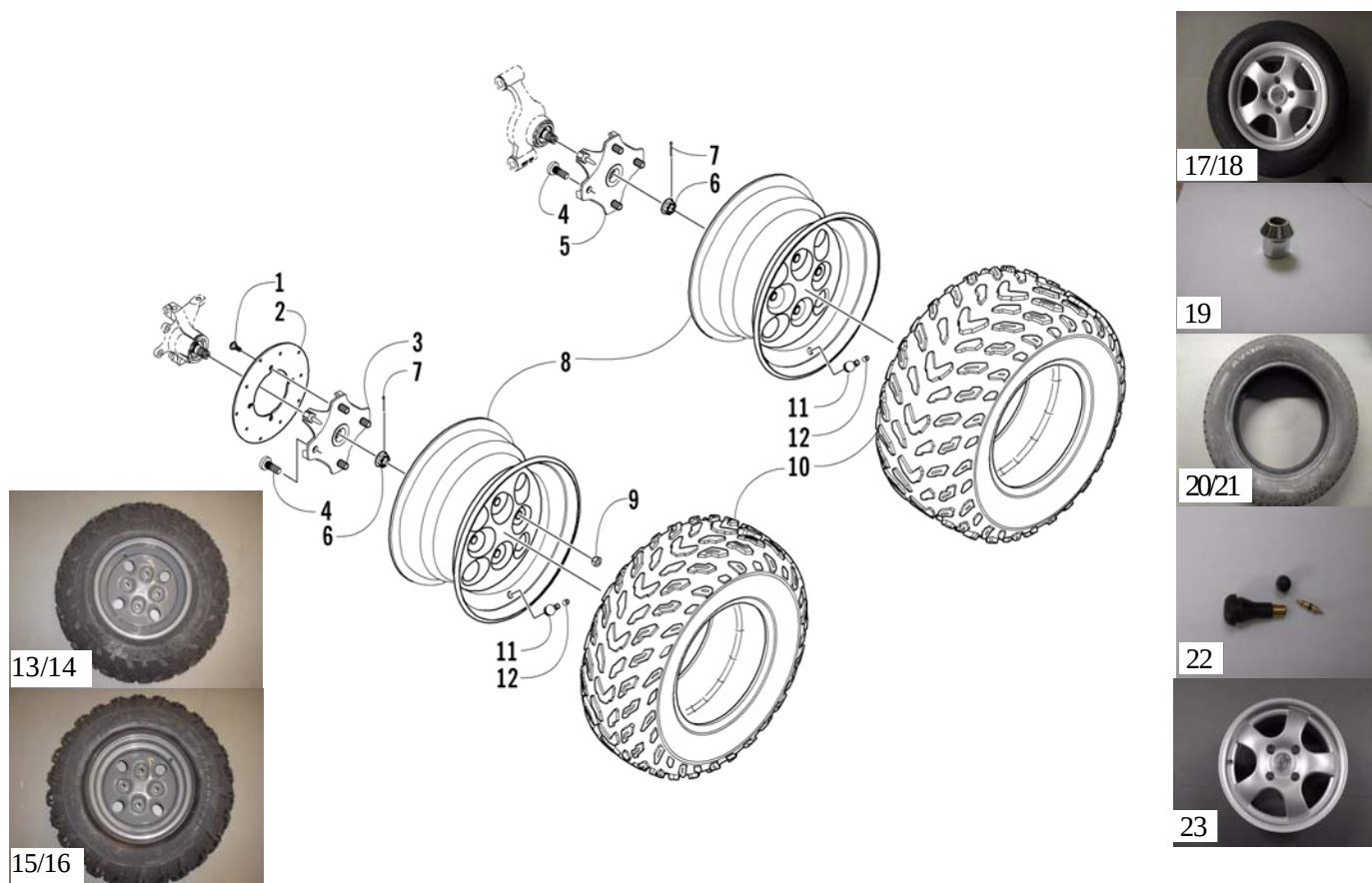
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0441-587	1	Wrench, Spanner	15	0403-115	8	ø Bushing
2	<u>0403-176</u>	2	Shock Absorber - Front (inc. 3)	16	0403-114	4	ø Collar
3	<u>0403-182</u>	8	ø Bushing, Double-Bonded	17	0505-460	1	Knuckle - Assembly - Right (inc. 18-19)
4	0403-102	2	Cam, Spring Adjuster		0505-461	1	Knuckle - Assembly - Left (inc. 18-19)
5	<u>0403-174</u>	2	Spring, Shock Absorber - Platinum	18	1402-027	2	ø Bearing, Wheel Hub
	<u>0403-173</u>	2	Spring, Shock Absorber - Black (Green)	19	0423-423	2	ø Ring, Retaining
	0503-318	2	Spring, Shock Absorber - Platinum (LE)	20	8409-030	4	Screw, Cap
6	1603-889	2	Retainer, Spring	21	0423-334	2	Screw, Cap
7	8409-040	4	Screw, Cap	22	8409-075	4	Screw, Cap
8	8428-002	10	Nut, Lock	23	0502-813	1	Axle, Drive - Front - Left (inc. 24-25)
9	0503-272	1	A-Arm, Upper Right - Platinum (inc. 10-13)		0502-812	1	Axle, Drive - Front - Right (inc. 24-25)
	0503-273	1	A-Arm, Upper Left - Platinum (inc. 10-13)	24	1441-109	2	ø Clip, Retaining
	0503-196	1	A-Arm, Upper Right - Black (inc. 10-13) (Green)	25	0436-276	2	ø Repair Kit, Boot
	0503-197	1	A-Arm, Upper Left - Black (inc. 10-13) (Green)	26	0441-752	1	Guard, Boot - Right - Red
10	0403-081	4	ø Bushing		0441-753	1	Guard, Boot - Left - Red
11	0403-080	2	ø Collar		1441-002	1	Guard, Boot - Right - Green (Green)
12	0423-009	4	ø Clip, Ball Joint		1441-003	1	Guard, Boot - Left - Green (Green)
13	0405-115	4	ø Ball Joint - Front		0441-756	1	Guard, Boot - Right - Cat Green (Cat Green)
14	<u>0503-342</u>	1	A-Arm, Lower Right - Platinum (inc. 12-13 and 15-16)		0441-757	1	Guard, Boot - Left - Cat Green (Cat Green)
	<u>0503-343</u>	1	A-Arm, Lower Left - Platinum (inc. 12-13 and 15-16)		1406-034	1	Guard, Boot - Right - Black (LE)
	<u>0503-334</u>	1	A-Arm, Lower Right - Black (inc. 12-13 and 15-16) (Green)		1406-035	1	Guard, Boot - Left - Black (LE)
	<u>0503-335</u>	1	A-Arm, Lower Left - Black (inc. 12-13 and 15-16) (Green)	27	0423-545	4	Screw, Body



REAR SUSPENSION ASSEMBLY

0741-439

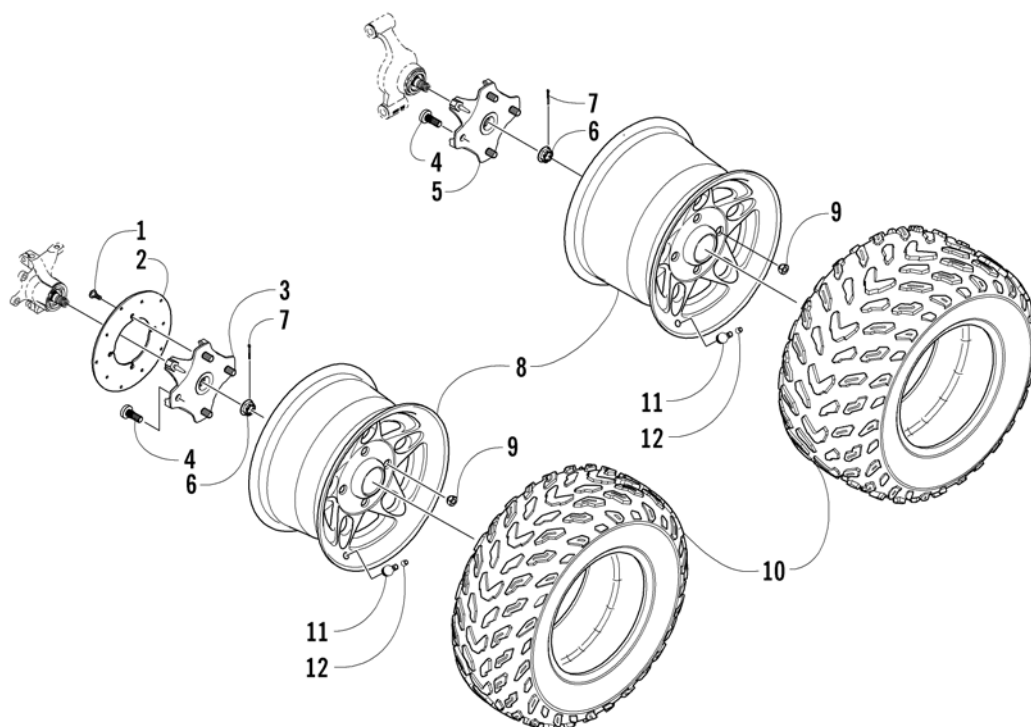
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-372	1	Knuckle, Right Rear - Assembly (inc. 2-5)	12	0441-754	1	Guard, Boot - Right - Red
	0504-373	1	Knuckle, Left Rear - Assembly (inc. 2-5)		0441-755	1	Guard, Boot - Left - Red
2	1402-027	2	ø Bearing, Wheel Hub		1441-004	1	Guard, Boot - Right - Green (Green)
3	0423-423	2	ø Ring, Retaining		1441-005	1	Guard, Boot - Left - Green (Green)
4	0403-038	4	ø Collar, Suspension Bushing		0441-758	1	Guard, Boot - Right - Cat Green (Cat Green)
5	0403-032	8	ø Bushing, Suspension		0441-759	1	Guard, Boot - Left - Cat Green (Cat Green)
6	0504-440	1	A-Arm, Rear - Lower Right - Platinum (inc. 7-8)		1406-068	1	Guard, Boot - Right - Black (LE)
	0504-441	1	A-Arm, Rear - Lower Left - Platinum (inc. 7-8)		1406-069	1	Guard, Boot - Left - Black (LE)
	0504-438	1	A-Arm, Rear - Lower Right - Black (inc. 7-8) (Green)	13	0423-545	4	Screw, Body
	0504-439	1	A-Arm, Rear - Lower Left - Black (inc. 7-8) (Green)	14	8409-075	8	Screw, Cap
7	0403-115	16	ø Bushing	15	0502-811	2	Axle, Drive - Rear (inc. 16-17)
8	0403-114	8	ø Collar	16	0441-893	2	ø Clip, Retaining
9	8428-002	14	Nut, Lock	17	0436-276	2	ø Repair Kit, Boot
10	8409-000	4	Screw, Cap	18	0441-587	1	Wrench, Spanner
11	0504-476	1	A-Arm, Rear - Upper Right - Platinum (inc. 7-8)	19	1603-889	2	Retainer, Spring
	0504-477	1	A-Arm, Rear - Upper Left - Platinum (inc. 7-8)	20	0404-145	2	Spring, Suspension - Platinum
	0504-470	1	A-Arm, Rear - Upper Right - Black (inc. 7-8) (Green)		0404-144	2	Spring, Suspension - Black (Green)
	0504-471	1	A-Arm, Rear - Upper Left - Black (inc. 7-8) (Green)	21	0404-057	2	Cam, Spring Adjuster
				22	0404-147	2	Shock Absorber - Rear (inc. 23-25)
				23	0403-182	2	ø Bushing, Double-Bonded
				24	0603-955	4	ø Bushing, Shock Absorber
				25	1603-219	2	ø 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	12	0402-140	4	ø Cap, Valve Stem
2	1402-225	3	Disc, Brake	13	0502-464	1	Wheel, Assembly - RH 25x8-12 (Gray)
3	0502-599	2	Hub, Wheel - Front (inc. 4)	14	0502-465	1	Wheel, Assembly - LH 25x8-12 (Gray)
4	0402-974	16	ø Stud, Wheel Hub	15	0502-505	1	Wheel, Assembly - RH 25x11-12 (Gray)
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)	16	0502-506	1	Wheel, Assembly - LH 25x11-12 (Gray)
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)	17	AC007-203	2	Wheel Assy. Onroad Front (inc. 20, 22, 23)
6	0423-607	4	Nut, Castle	18	AC007-216	2	Wheel Assy. Onroad Rear (inc. 21-23)
7	0423-407	4	Pin, Cotter	19	AC007-217	16	Nut, Aluminium Rim Silver
8	1402-127	2	Wheel - Front - Platinum	20	AC007-202	1	Road Tire 185/65-15
	1402-115	2	Wheel - Rear - Platinum	21	AC007-215	1	Road Tire 205/60-15
	0402-856	2	Wheel - Front - Gray (Green)	22	AC007-209	1	Valve Wheel, Road Tire
	0402-858	2	Wheel - Rear - Gray (Green)	23	AC007-221	1	Aluminium Rim Silver
9	0423-408	16	Nut, Mounting - Wheel				
10	<u>1402-100</u>	2	Tire - Front				
	<u>1402-137</u>	2	Tire - Rear				
11	0402-064	4	Stem, Valve (inc. 12)				

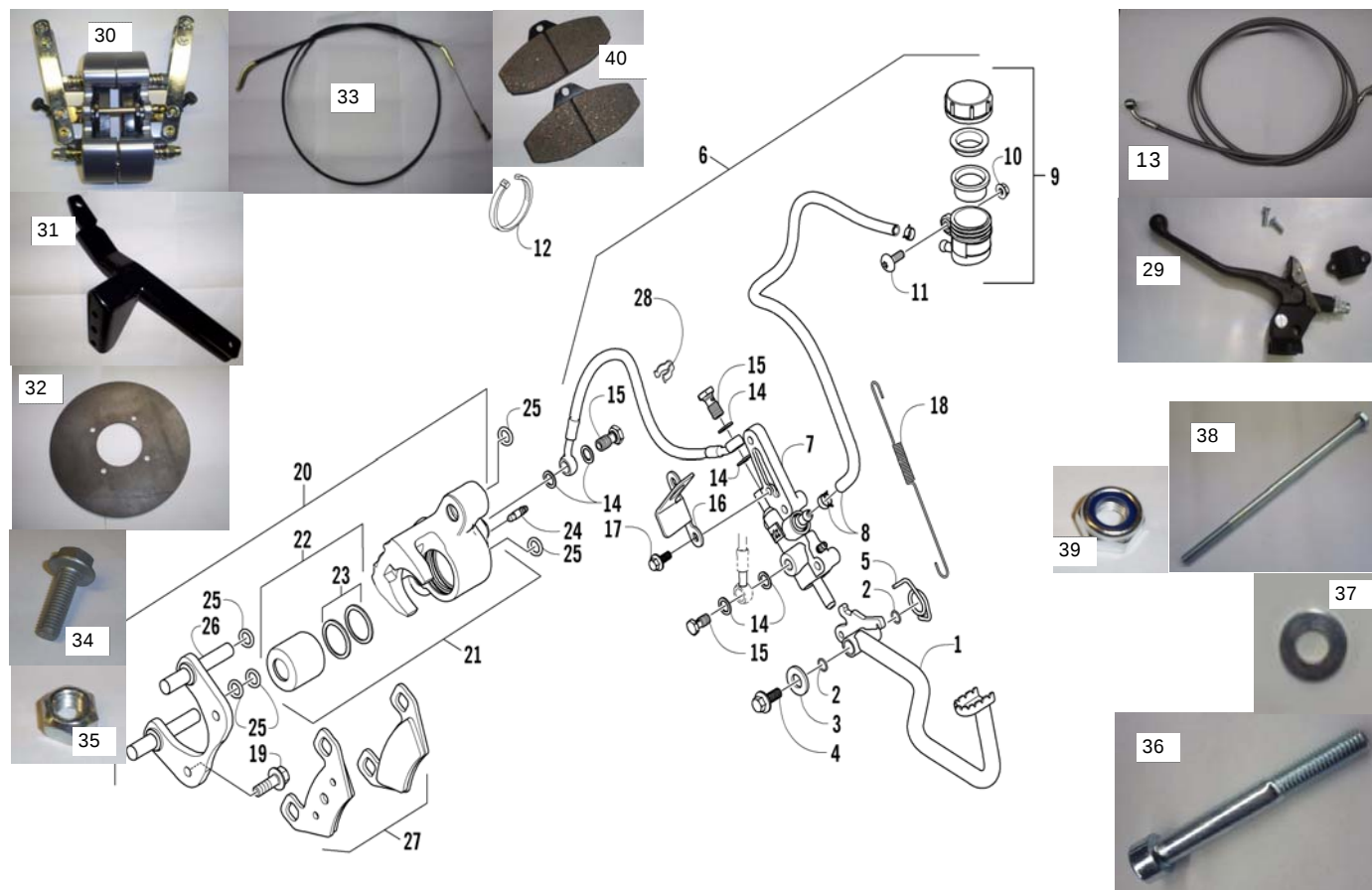


WHEEL AND TIRE ASSEMBLY (LE)

0741-578

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-557	12	Screw, Shoulder w/Loctite	8	1402-424	2	Wheel - Front - Black
2	1402-225	3	Disc, Brake		1402-425	2	Wheel - Rear - Black
3	0502-599	2	Hub, Wheel - Front (inc. 4)	9	0423-408	16	Nut, Mounting - Wheel
4	0402-974	16	ø Stud, Wheel Hub	10	<u>1402-548</u>	2	Tire - Front
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)		<u>1402-549</u>	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	ø Cap, Valve Stem
7	0423-407	4	Pin, Cotter				

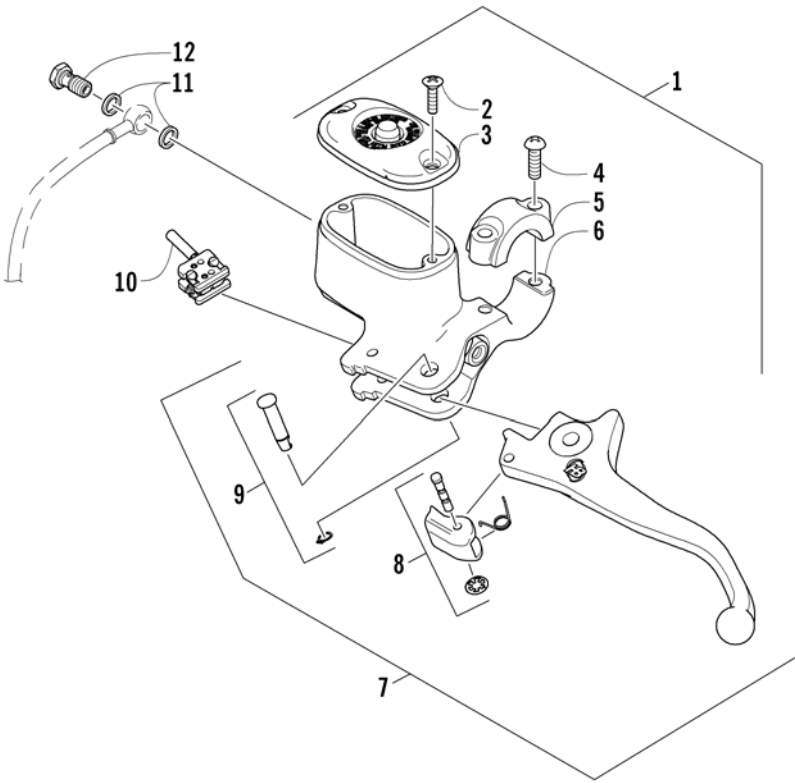
2008 ATV 650 H1 3in1 Zugmaschine



AUXILIARY BRAKE ASSEMBLY

0741-314 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1502-063</u>	1	Lever, Brake	22	0502-606	1	ø ø Piston/Seal Set (inc. 23)
2	1602-213	2	O-Ring	23	0502-607	1	ø ø ø Seal Set
3	8050-252	1	Washer	24	0502-609	1	ø ø Valve, Bleed
4	8408-816	1	Screw, Cap	25	0502-608	1	ø O-Ring, Guide - Set
5	0502-807	1	Spring, Brake Lever	26	0502-605	1	ø Bracket Assembly
6	<u>1502-147</u>	1	Cylinder, Master Brake-Assembly (SKD)	27	0502-875	1	ø Pad, Brake - Set
7	*	1	ø Master Cylinder	28	<u>1502-115</u>	2	Clip, Brake Hose
8	<u>1502-142</u>	1	ø Hose, Brake Reservoir	29	<u>1502-150</u>	1	Lever, park Brake-ace
9	<u>1502-141</u>	1	ø Reservoir, Brake	30	AC002-006	1	Brake Calliper
10	<u>0623-038</u>	1	Nut, Flanged	31	AC002-020	1	Brake Shoe Hosebrake Calliper 650er
11	8476-616	1	Screw, Machine	32	AC002-022	1	Brake Disc 200 mm D / 4 mm
12	0123-788	1	Cable Tie—7.5 in.	33	AC002-024	1	Bowden Cable ZUGMASCHINE 700/650
13	<u>1502-140</u>	1	Hose, Brake-MC/CALIPER (58" WB)	34	AC008-237	4	Fin Screw M8x25
14	0423-178	6	Washer, Crush	35	AC008-238	2	Nut M10
15	<u>0423-413</u>	3	Bolt, Double Banjo-Fitting	36	AC008-239	2	Internal Hexagon Socket Screw M10x80
16	0502-840	1	Bracket, Switch	37	AC008-240	4	Washer 10
17	8408-625	2	Screw, Cap	38	AC008-251	1	Hexagon Socket Screw M10x1,25x230
18	0502-785	1	Spring, Brake Switch	39	AC008-242	1	Stop Nut M10
19	8408-820	2	Screw, Cap	40	AC002-015	1	Brake Pad Zugmaschine
20	0502-878	1	Caliper, Brake (inc. 21-27)				
21	0502-603	1	ø Housing, Caliper - Assembly - Right Rear (inc. 22-24)				



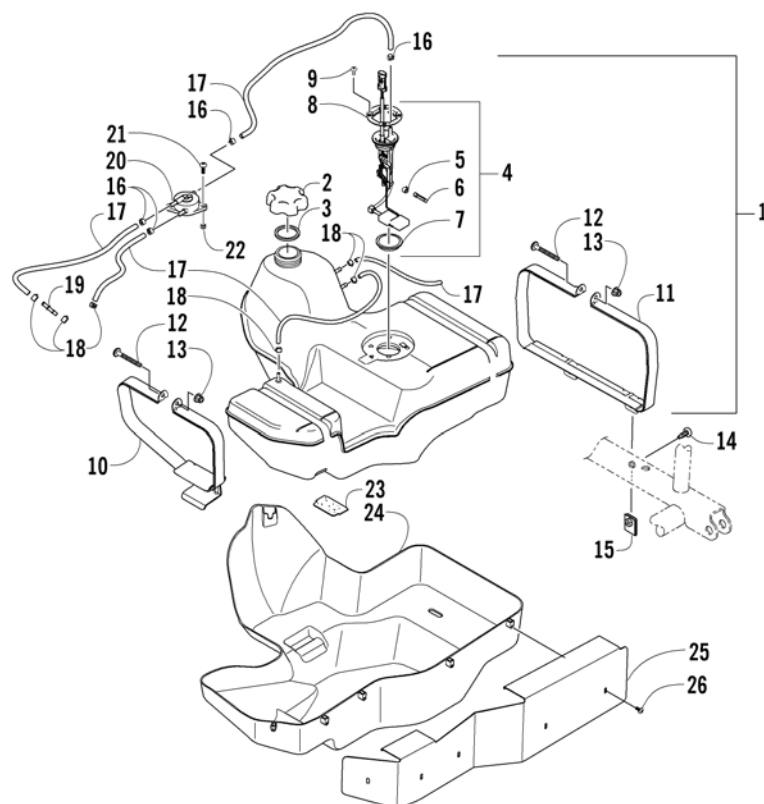
HYDRAULIC HAND BRAKE ASSEMBLY

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	ø Lever Assembly - Kit (inc. 8-9)
2	0502-566	1	ø Screw, Reservoir Cover - Kit	8	0502-867	1	ø ø Lock, Brake Lever - Kit
3	0502-868	1	ø Cover, Reservoir - Kit	9	0502-580	1	ø ø Lever Pin - Kit
4	0502-568	1	ø Screw, Master Cylinder Clamp - Kit	10	0502-564	1	ø Switch, Brake - Kit
5	0502-869	1	ø Clamp, Master Cylinder - Kit	11	0423-178	2	Washer, Crush
6	0502-704	1	ø Master Cylinder Assembly - Kit	12	0423-413	1	Bolt, Banjo-Fitting



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-015	1	Hose, Brake Assembly	7	0502-607	2	ø ø ø Seal Set
2	8476-625	1	Screw, Cap	8	0502-609	2	ø ø Valve, Bleed
3	8408-820	4	Screw, Cap	9	0502-608	2	ø O-Ring, Guide - Set
4	0502-878	1	Caliper, Brake - Right Front (inc. 5-11)	10	0502-605	2	ø Bracket Assembly
	0502-879	1	Caliper, Brake - Left Front (inc. 5-11)	11	0502-875	2	ø Pad, Brake - Set
5	0502-603	1	ø Housing, Caliper - Assembly - Right Front (inc. 6-8)	12	0423-178	4	Washer, Crush
	0502-611	1	ø Housing, Caliper - Assembly - Left Front (inc. 6-8)	13	0423-413	2	Bolt, Banjo-Fitting
				14	1502-148	1	Hose, Brake Assembly
6	0502-606	2	ø ø Piston/Seal Set (inc. 7)	15	1402-592	1	Hose, Brake-MC/MC

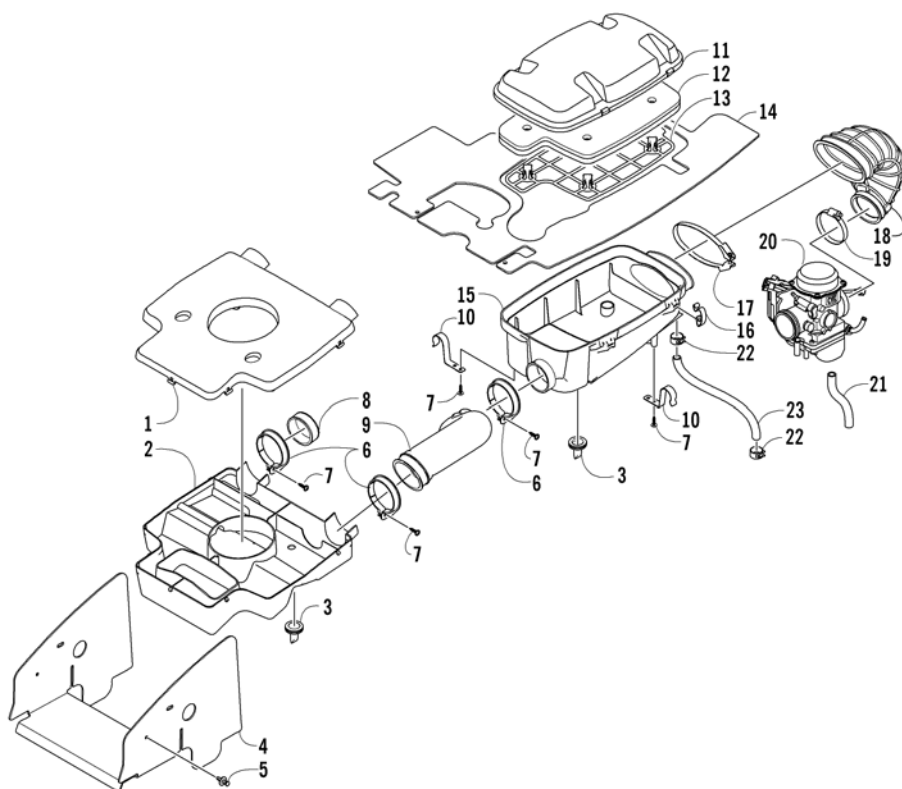


GAS TANK ASSEMBLY

0741-441

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0570-148	1	Tank, Gas - Assembly w/Straps (inc. 2-13)	14	0423-609	2	Screw, Mounting - Gas Tank
2	0470-438	1	ø Cap, Gas Tank (inc. 3)	15	0470-536	2	Clip, Mounting - Gas Tank
3	0109-733	1	ø ø Gasket, Gas Tank Cap	16	0423-688	4	Clamp, Hose
4	0570-114	1	ø Sensor, Fuel Level (inc. 5-7)	17	0410-070	AR	Hose, Gasline - 25 ft
5	0423-603	1	ø ø Clamp, Hose	18	0423-670	6	Clamp, Carburetor
6	0470-475	1	ø ø Filter, Fuel	19	0470-527	1	Fitting, Straight
7	0470-521	1	ø ø Seal, Fuel Level Sensor	20	0470-519	1	Pump, Fuel
8	0470-639	1	ø Plate, Mounting - Fuel Level Sensor	21	8476-620	2	Screw, Machine
9	1623-158	4	ø Screw, Plastite	22	0623-038	2	Nut, Lock
10	<u>0570-168</u>	1	ø Strap, Mounting - Gas Tank - Front	23	0470-476	1	Pad, Gas Tank
11	<u>0570-169</u>	1	ø Strap, Mounting - Gas Tank - Rear	24	0470-479	1	Shield, Gas Tank
12	8476-650	2	ø Screw, Machine	25	0470-474	1	Shield, Heat
13	8427-602	2	ø Nut, Lock	26	0623-797	5	Screw, Self-Tapping

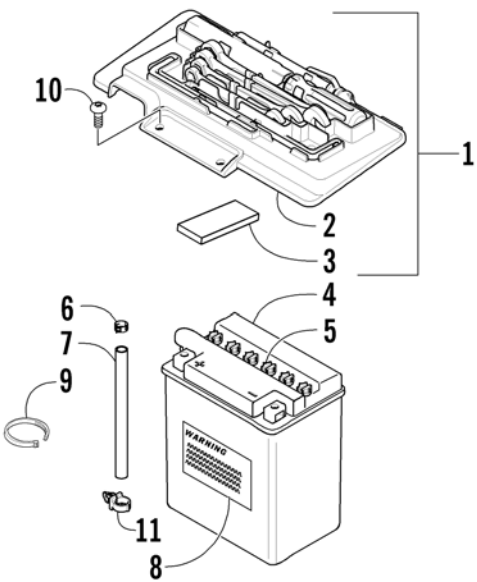
20



AIR INTAKE ASSEMBLY

0740-975

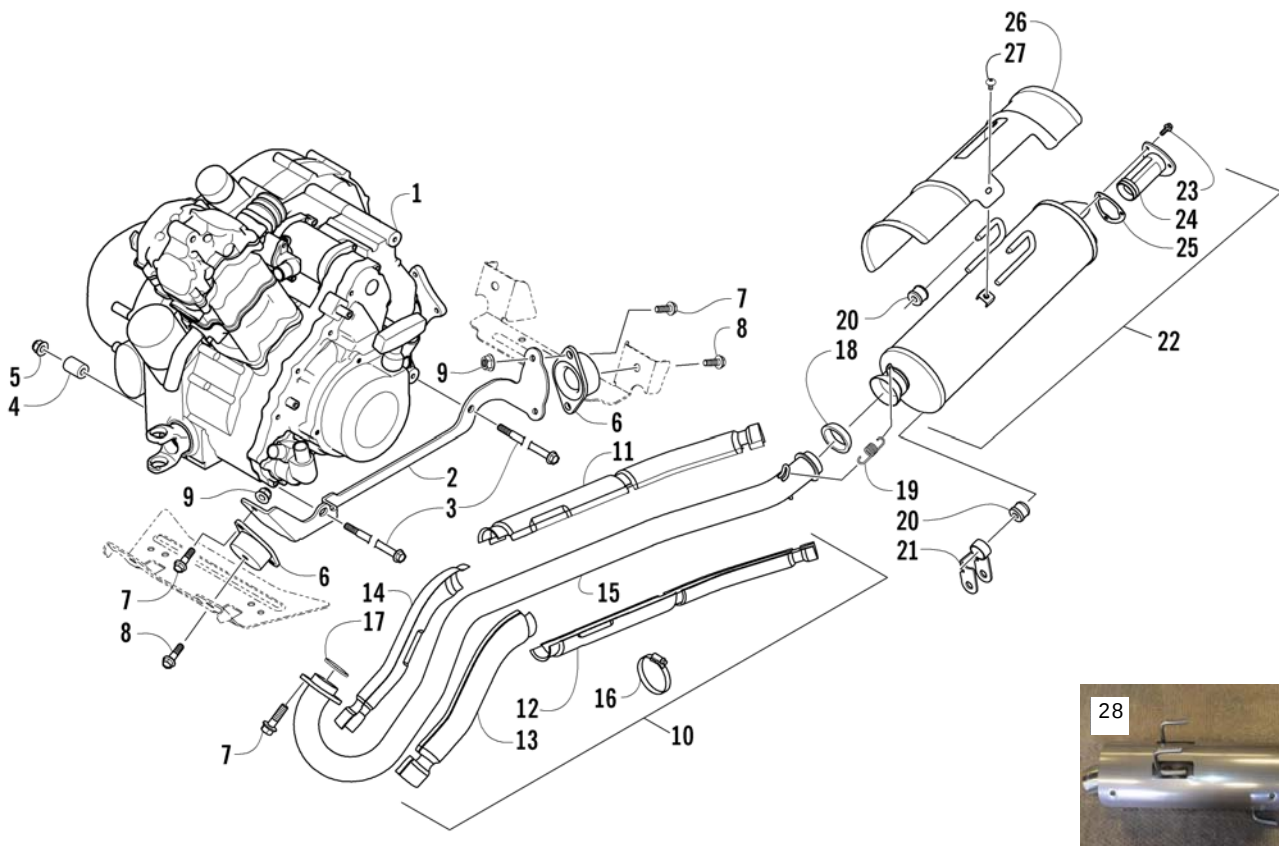
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-091	1	Diverter, Air - Top	13	0470-516	1	Screen, Air Filter
2	0413-093	1	Diverter, Air - Bottom	14	2406-009	1	Panel, Shield
3	0470-442	2	Valve, Drain	15	0470-515	1	Housing, Air Intake
4	1406-973	1	Shroud, Splash	16	0423-455	4	Clip, Spring
5	0623-362	2	Rivet, Reinstallable	17	0423-554	1	Clamp, Boot
6	0423-551	3	Clamp	18	0470-511	1	Boot, Carburetor
7	0423-342	7	Screw, Self-Tapping	19	0423-019	1	Clamp, Boot
8	0413-096	1	Cap, Air Intake - Diverter	20	0470-705	1	Carburetor, CVK40-AE ECE
9	0470-529	1	Boot, Air Intake	21	0510-592	1	Hose, Carburetor Drain
10	0423-454	2	Clip, Mounting - Air Intake	22	0423-045	2	Clamp, Hose
11	0470-554	1	Cover, Air Intake	23	0410-079	1	Hose, Vent - Crankcase
12	0470-663	1	Filter, Air				



BATTERY ASSEMBLY

0740-445 *Not Illustrated

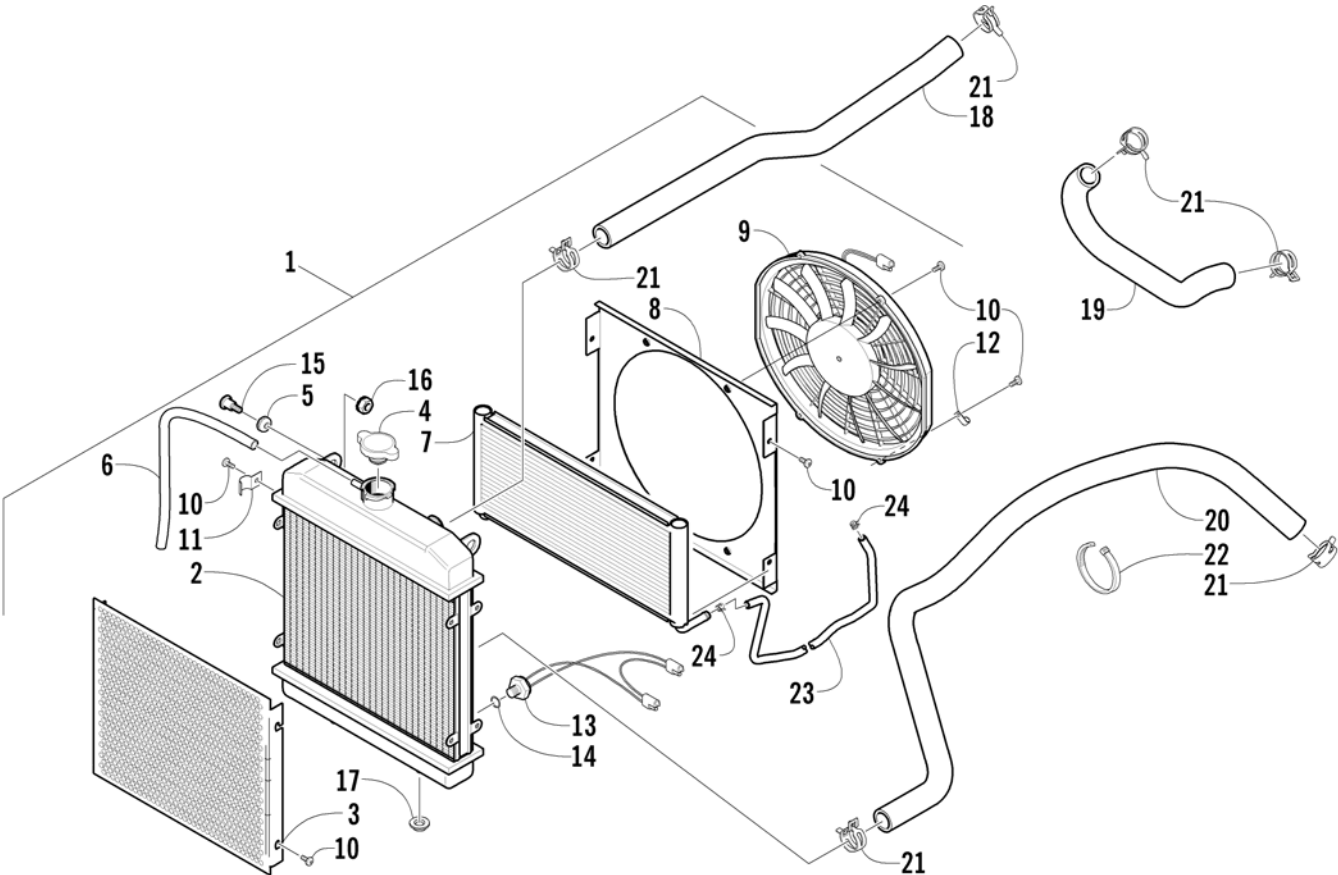
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5990-839	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	6	0645-152	1	ø Clamp, Hose
2	1406-507	1	ø Cover, Battery	7	0645-263	1	ø Hose, Battery Vent
3	0406-288	2	ø Pad, Battery	8	0645-151	1	ø Label, Warning - Battery
*	0444-122	1	ø Kit, Tool	9	0123-903	4	Cable Tie - 11.5 in.
4	AC003-005	1	Battery 400er	10	8476-616	2	Screw, Machine
5	0645-045	6	ø Cap, Battery	11	0623-101	1	Routing Clip, Snap-In



ENGINE AND EXHAUST

0741-628

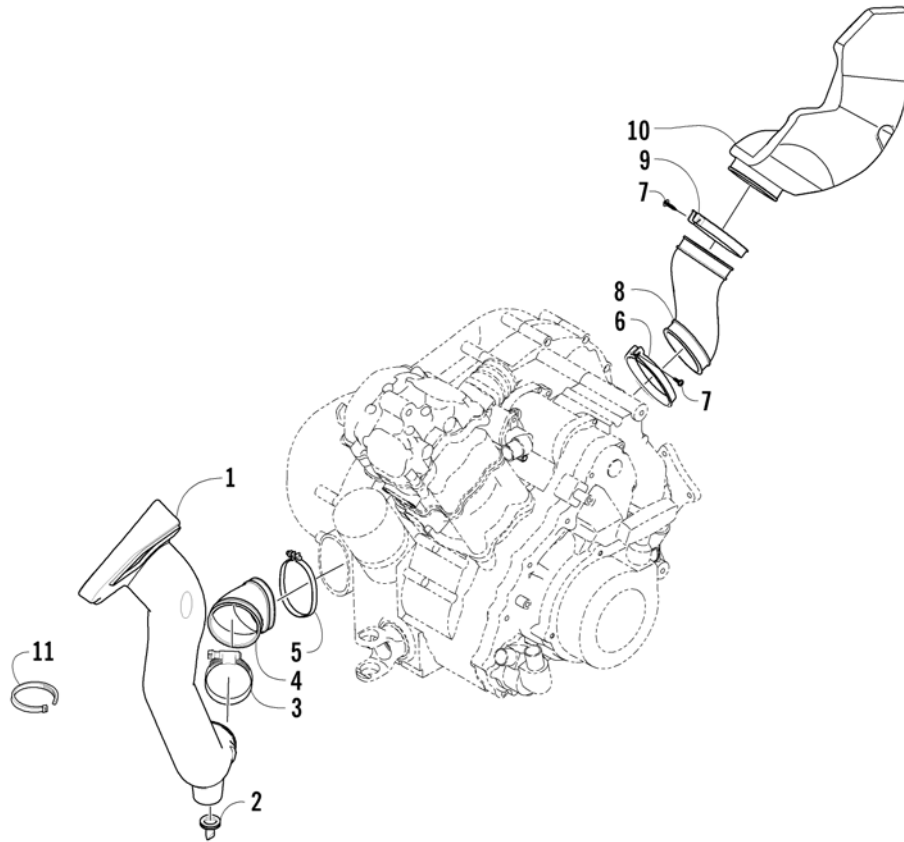
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0800-025	1	Engine	15	0512-362	1	ø Pipe, Exhaust
2	1506-740	1	Bracket, Engine - Right	16	0423-317	4	ø Hose Clamp
	1506-741	1	Bracket, Engine - Left	17	0412-338	1	Gasket, Exhaust Pipe
3	0423-405	2	Screw, Cap	18	0412-375	1	Seal, Exhaust
4	0423-042	1	Spacer, Engine	19	0612-668	2	Spring, Extension
5	8428-002	2	Nut, Lock	20	0412-215	3	Bushing, Exhaust Pipe
6	2406-065	4	Mount, Rubber - Engine	21	1506-732	1	Channel, Muffler Support
7	8408-820	10	Screw, Cap	22	0512-355	1	Muffler Assembly (inc. 23-25)
8	8408-012	4	Screw, Cap	23	8408-616	3	ø Screw, Cap
9	8432-802	8	Nut	24	0512-219	1	ø Arrestor, Spark Assembly
10	0512-363	1	Pipe, Exhaust - Assembly (inc. 11-16)	25	0412-313	1	ø Gasket, Spark Arrestor
11	0412-355	1	ø Shield, Exhaust Pipe - Lower - Rear	26	0412-373	1	Cover, Muffler
12	0412-354	1	ø Shield, Exhaust Pipe - Upper - Rear	27	8477-610	3	Screw, Machine
13	0412-349	1	ø Shield, Exhaust Pipe - Inner - Front	28	AC004-707	1	Exhaust Model 2006 400, 500, 650
14	0412-348	1	ø Shield, Exhaust Pipe - Outer - Front				



COOLING ASSEMBLY

0740-363

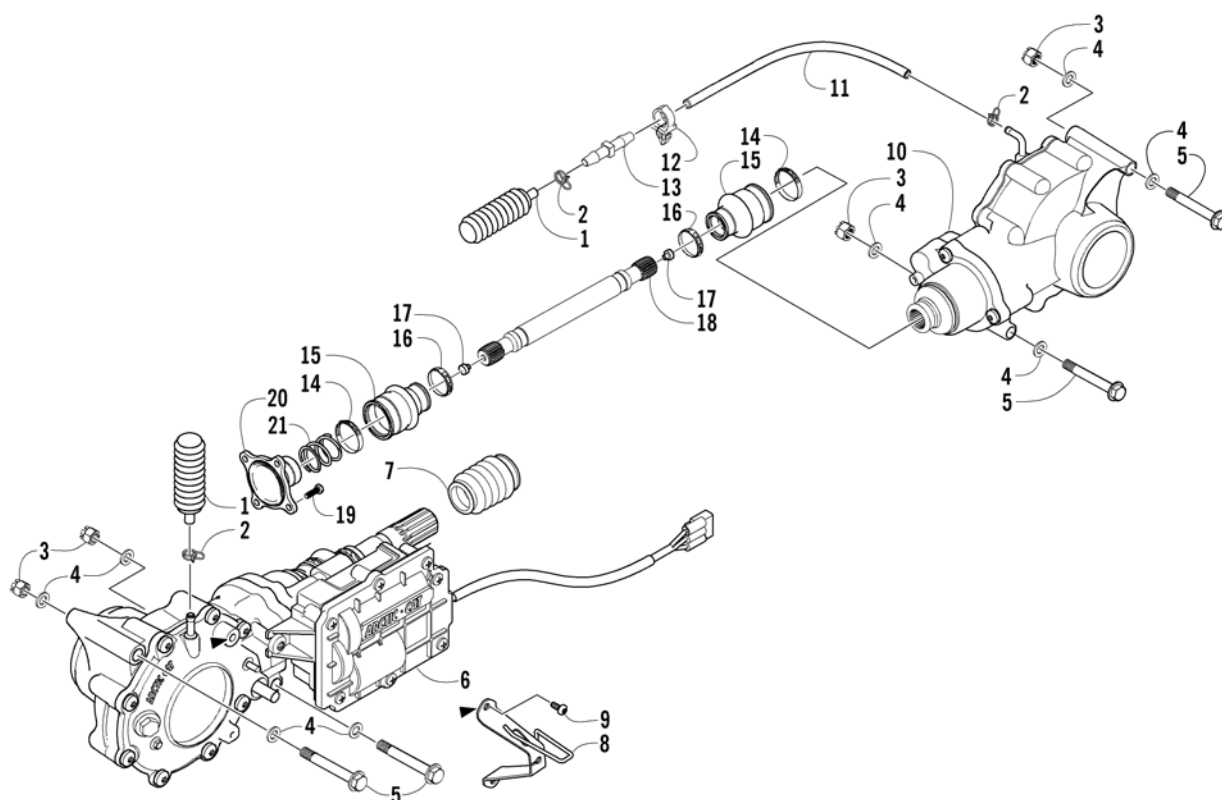
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-116	1	Radiator Assembly (inc. 2-14)	13	0413-045	1	ø Sender, Temperature - Coolant
2	0413-043	1	ø Radiator	14	0423-390	1	ø O-Ring
3	0413-007	1	ø Screen, Radiator	15	0423-484	2	Screw, Shoulder
4	0413-002	1	ø Cap, Radiator	16	0623-038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



CASE/BELT COOLING ASSEMBLY

0741-581

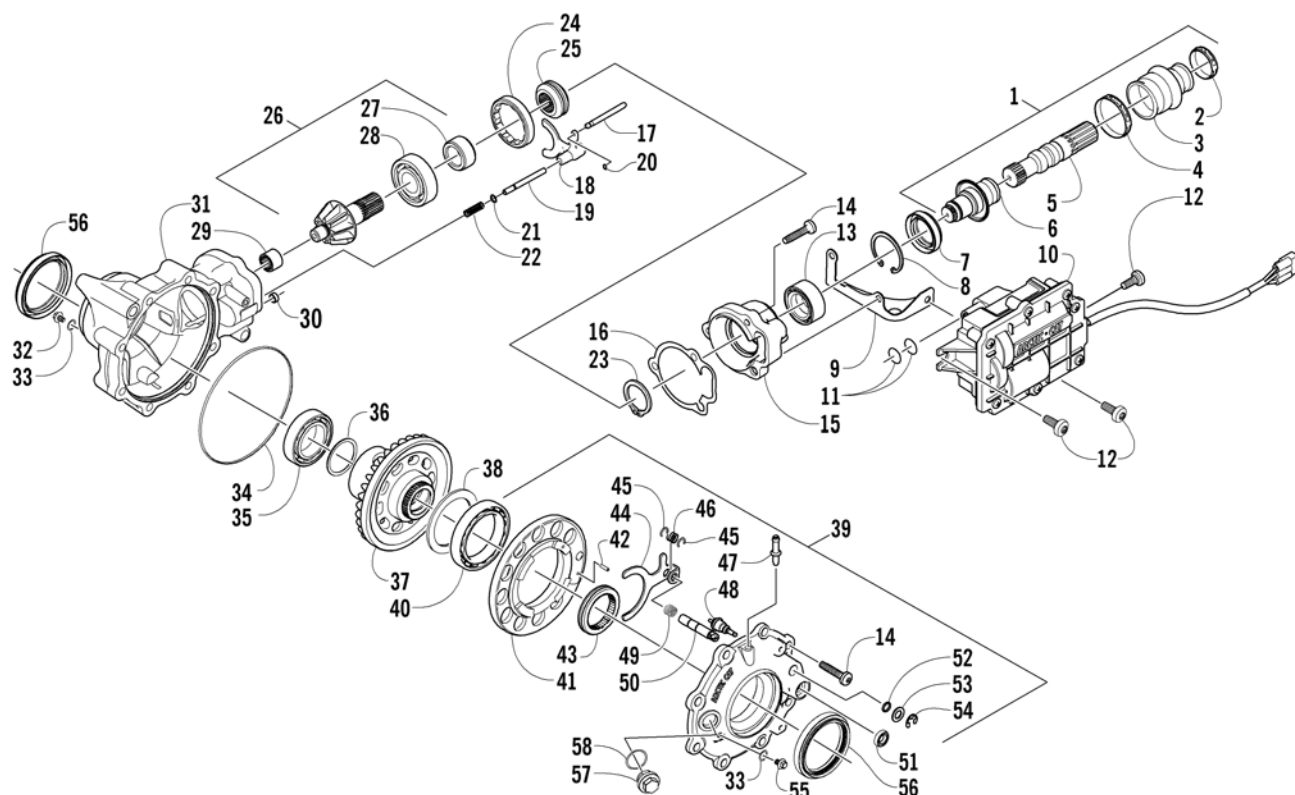
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-115	1	Duct, Belt Cooling - Front	7	0423-342	2	Screw, Self-Tapping
2	0470-442	1	Valve, Drain	8	0413-097	1	Boot, Duct - Rear
3	0423-578	1	Clamp, Boot	9	0423-554	1	Clamp, Boot
4	0413-114	1	Boot, Duct - Front	10	<u>0413-153</u>	1	Duct, Belt Cooling - Rear
5	0423-539	1	Clamp, Boot	11	0123-903	1	Cable Tie - 11.5 in.
6	0423-550	1	Clamp, Plastic				



DRIVE TRAIN ASSEMBLY

0740-751

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-147	2	Bladder, Gearcase	12	0623-101	1	Clip, Routing - Snap-In
2	0423-315	4	Clamp, Fitting	13	0470-462	1	Fitting, Vent
3	8428-002	4	Nut, Lock	14	0423-393	2	Clamp, Boot
4	0423-426	10	Washer	15	0402-985	2	Boot
5	0423-404	4	Screw, Cap	16	0423-411	2	Clamp, Boot
6	<u>1502-093</u>	1	Gearcase, Front	17	0673-618	2	Bumper, Propeller Shaft
7	0402-966	1	Boot, Shaft	18	1402-092	1	Shaft, Propeller
8	0502-500	1	Plate, Cable	19	8408-820	4	Screw, Cap
9	0423-396	2	Screw, Self-Tapping	20	0402-950	1	Flange, Output
10	<u>1502-079</u>	1	Gearcase, Rear	21	1402-026	2	Spring
11	0410-048	AR	Hose, Vent				

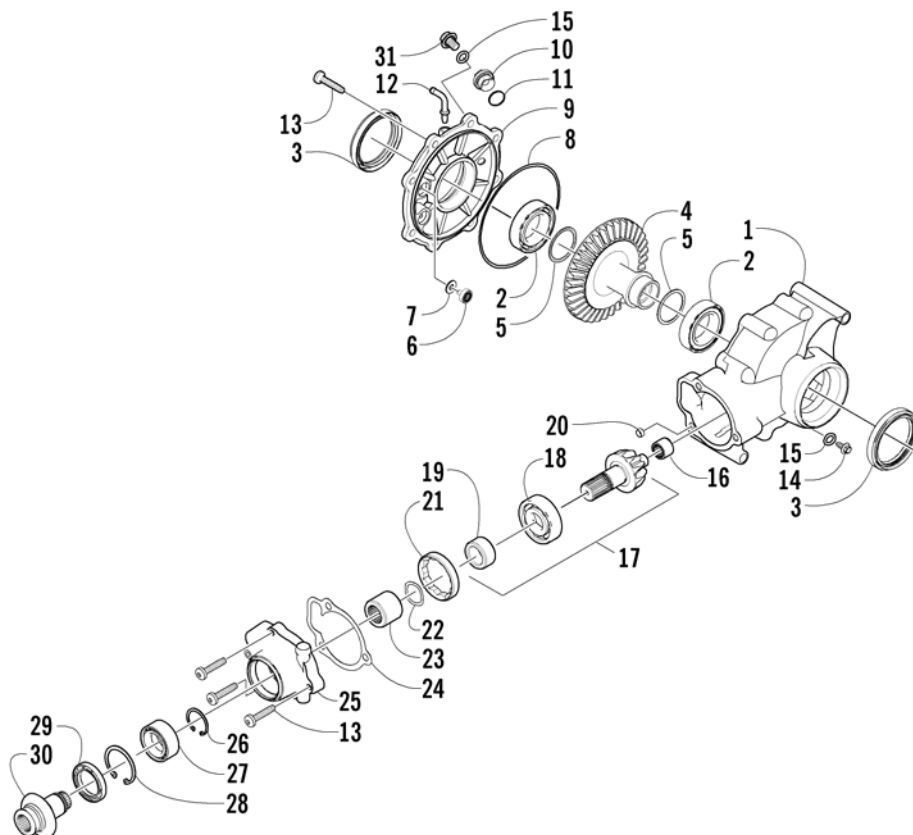


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-093)

0741-522

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-093	1	Shaft, Propeller Assembly (inc. 2-6)	35	0402-393	1	Bearing
2	0423-411	1	Ø Clamp, Boot	36	0402-405	AR	Shim
3	0402-985	1	Ø Boot, Propeller Shaft		0402-406	AR	Shim
4	0423-393	1	Ø Clamp, Boot		0402-407	AR	Shim
5	1402-045	1	Ø Shaft, Output		0402-408	AR	Shim
6	1502-095	1	Ø Shaft, Input		0402-409	AR	Shim
7	1402-011	1	Seal	37	0502-851	1	Gear, Ring—36T
8	0423-423	1	Ring, Retaining	38	1402-074	AR	Shim
9	0502-347	1	Bracket, Actuator		1402-075	AR	Shim
10	0502-579	1	Actuator (inc. one No. 11)		1402-076	AR	Shim
11	0423-498	2	Ø O-Ring		1402-077	AR	Shim
12	0423-396	3	Screw, Self-Tapping		1402-078	AR	Shim
13	1402-043	1	Bearing	39	1502-097	1	Cover, Gearcase (inc. one No. 33, 40-55, and one No. 56)
14	0423-118	11	Screw, Self-Tapping	40	1402-053	1	Ø Bearing
15	0502-528	1	Housing, Pinion	41	0502-413	1	Ø Flange, Bearing
16	0402-947	1	Gasket, Flange	42	1402-079	1	Ø Pin, Parallel
17	0402-997	1	Shaft, Selector	43	1402-042	1	Ø Collar, Sliding
18	0402-998	1	Fork, Selector	44	1402-054	1	Ø Fork
19	0402-417	1	Shaft, Shuttle	45	1402-058	2	Ø Ring, Retaining
20	0423-402	1	Ring, Retaining	46	1402-057	1	Ø Spring
21	0423-147	1	O-Ring	47	1402-104	1	Ø Fitting
22	0402-999	1	Spring, Return	48	0402-419	1	Ø Switch, Indicator
23	0423-417	1	Ring, Retaining	49	1402-063	1	Ø Spring
24	0402-357	1	Collar, Lock	50	1402-055	1	Ø Shaft, Lock
25	0402-413	1	Coupler, Drive	51	1402-056	1	Ø Seal
26	0502-783	1	Gear, Pinion Assembly—10T (inc. 27-28)	52	0423-133	1	Ø O-Ring
27	0402-336	1	Ø Collar, Retaining	53	0423-132	1	Ø Washer
28	0402-327	1	Ø Bearing	54	0423-424	1	Ø Ring, Retaining
29	0402-328	1	Bearing	55	1402-211	1	Ø Plug, Oil Level (inc. one No. 33)
30	0402-411	1	Pin, Dowel	56	1402-441	2	Ø Seal
31	0502-514	1	Housing, Gearcase	57	0402-333	1	Plug, Fill (inc. 58)
32	1402-210	1	Plug, Magnetic (inc. one No. 33)	58	0423-154	1	Ø O-Ring
33	0423-153	2	Ø O-Ring				
34	0423-149	1	O-Ring				

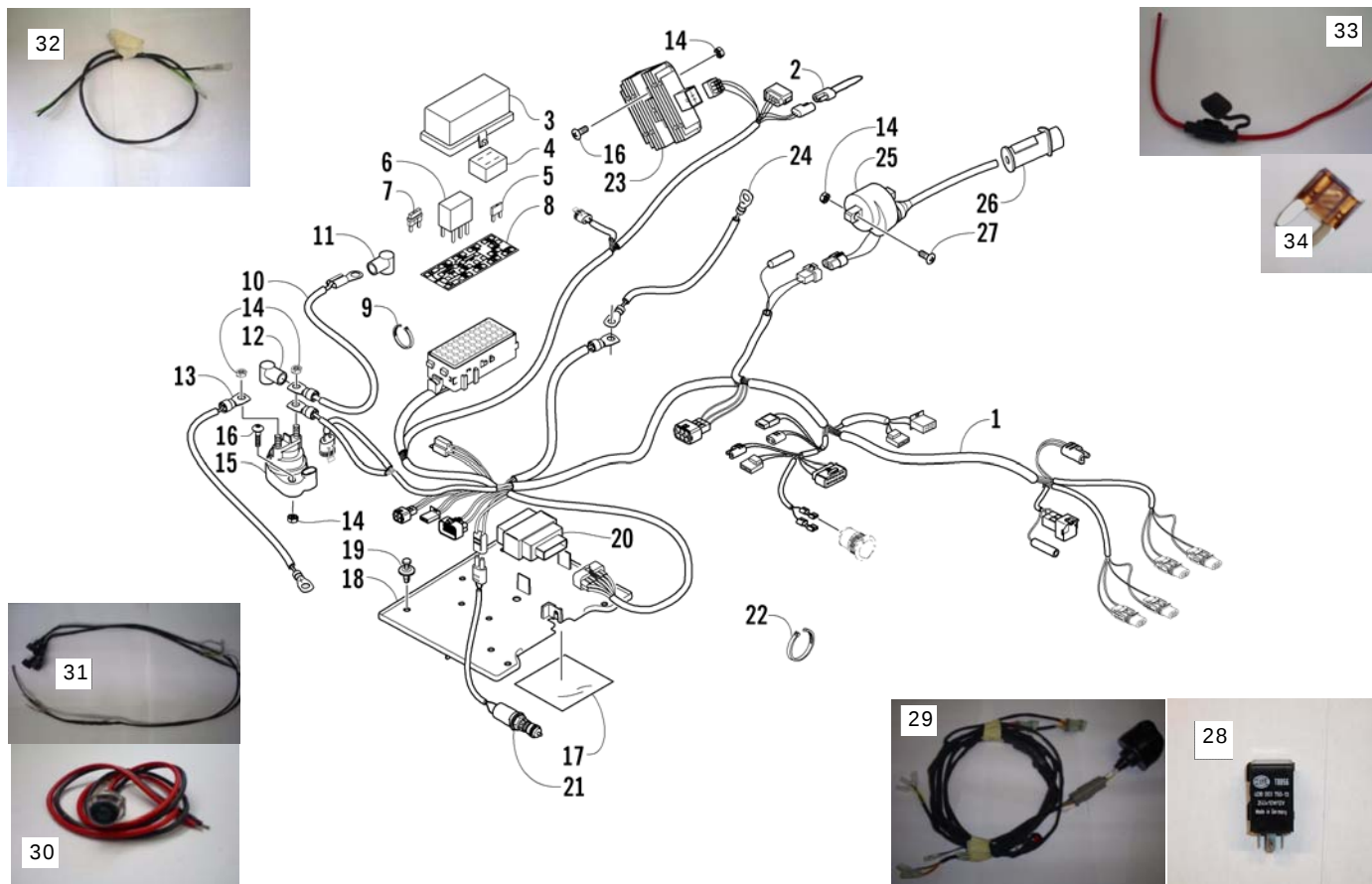


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-079)

0741-524

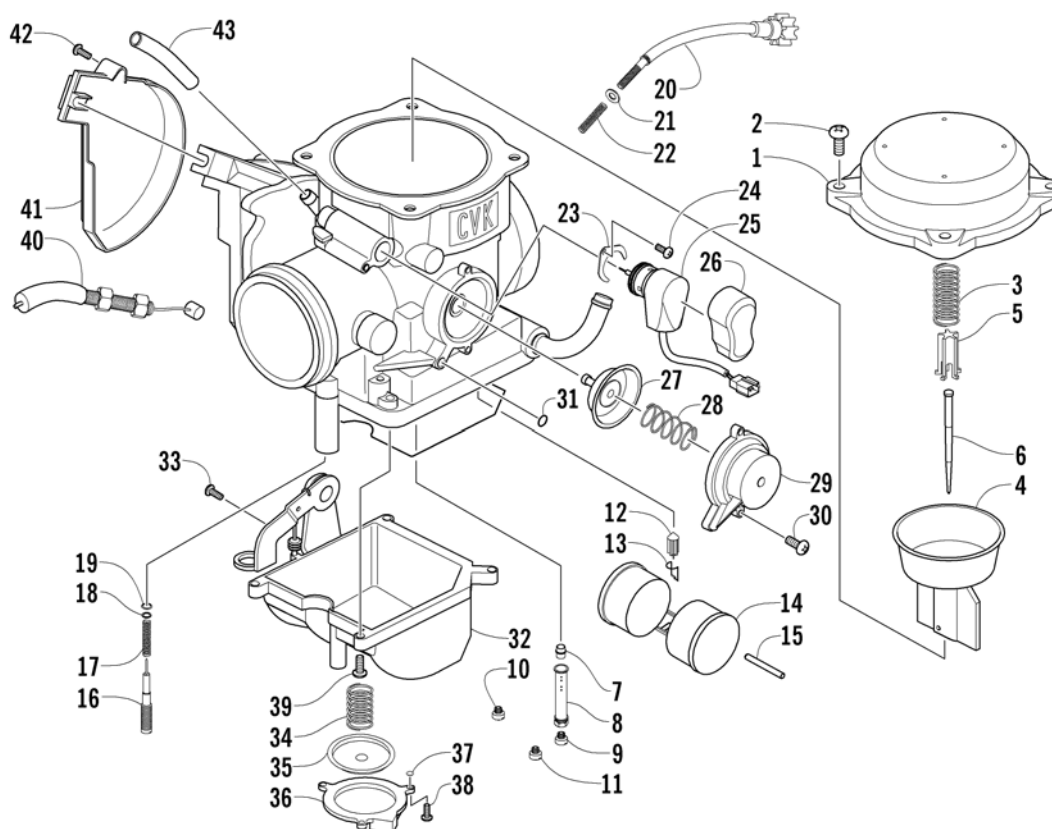
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-622	1	Housing, Gearcase	13	0423-118	11	Screw, Self-Tapping
2	0402-393	2	Bearing	14	0402-450	1	Plug, Magnetic (inc. one No. 15)
3	<u>1402-441</u>	2	Seal	15	0423-153	2	ø O-Ring
4	1402-032	1	Gear, Ring - 36T	16	0402-328	1	Bearing
5	0402-405	AR	Shim	17	0502-783	1	Gear, Pinion - Assembly - 10T (inc. 18-19)
	0402-406	AR	Shim	18	0402-327	1	ø Bearing
	0402-407	AR	Shim	19	0402-336	1	ø 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	ø O-Ring	31	1402-211	1	Plug, Oil Level (inc. one No. 15)
12	1402-102	1	Fitting				



WIRING HARNESS ASSEMBLY

0741-513

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0486-214	1	Harness, Main ECE (inc. 2-8)	18	1406-787	1	Tray, Electrical
2	0486-164	1	ø Tether, Accessory Connector	19	0623-362	4	Rivet, Reinstallable
3	0530-008	1	ø Cover, Fuse Block	20	0824-038	1	CDI Unit
4	0430-037	1	ø Holder, Fuse	21	0409-072	1	Switch, Brake - Assembly
5	0430-034	1	ø Diode	22	0123-903	AR	Cable Tie - 11.5 in.
6	0430-033	2	ø Relay - 10 Amp	23	0824-037	1	Regulator, Voltage
	0430-045	3	ø Relay - 20 Amp	24	0445-063	1	Cable, Battery/Ground
7	0430-032	4	ø Fuse - 10 Amp	25	0824-036	1	Coil, Ignition - Assembly
	0430-031	3	ø Fuse - 15 Amp	26	0824-021	1	Cap, Spark Plug
	0430-030	2	ø Fuse - 30 Amp	27	8476-620	2	Screw, Machine
8	1411-502	1	ø Decal, Fuse Block	28	0430-049	1	Flasher, Turn Signal
9	0123-788	AR	Cable Tie - 7.5 in.	29	AC003-100	1	Wiring Towing Device 2006
10	0445-064	1	Cable, Solenoid/Starter (inc. 11)	30	AC003-015	1	Control Light Green
11	0645-019	1	ø Boot, Terminal	31	AC003-049	1	Harness, Rear
12	0645-327	1	Boot, Terminal	32	AC003-051	1	Harness, Fog Light
13	0445-062	1	Cable, Battery/Solenoid	33	AC003-048	2	Fuse Carrier "MINI"
14	0623-038	8	Nut w/Washer	34	AC003-060	2	Fuse 7,5 A
15	0445-058	1	Solenoid				
16	8476-625	4	Screw, Machine				
17	0412-291	1	Shield, Heat				

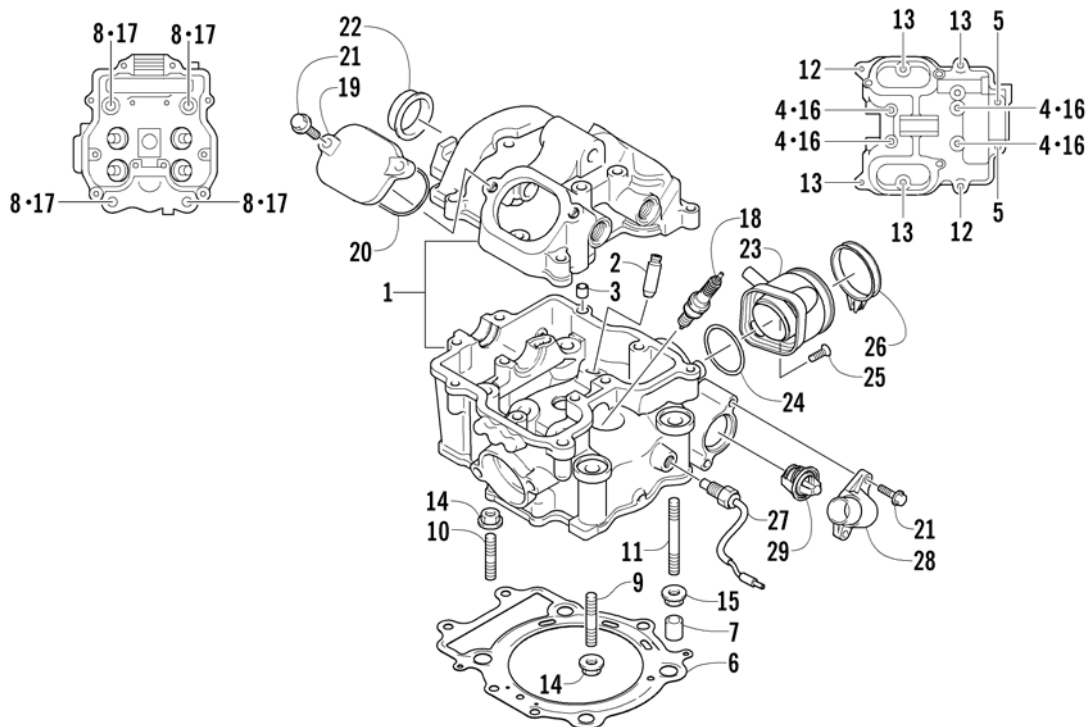


CARBURETOR

CVK40-AE ECE (Complete Assembly p/n 0470-705)

0740-600 *Not a Service Part **Optional

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

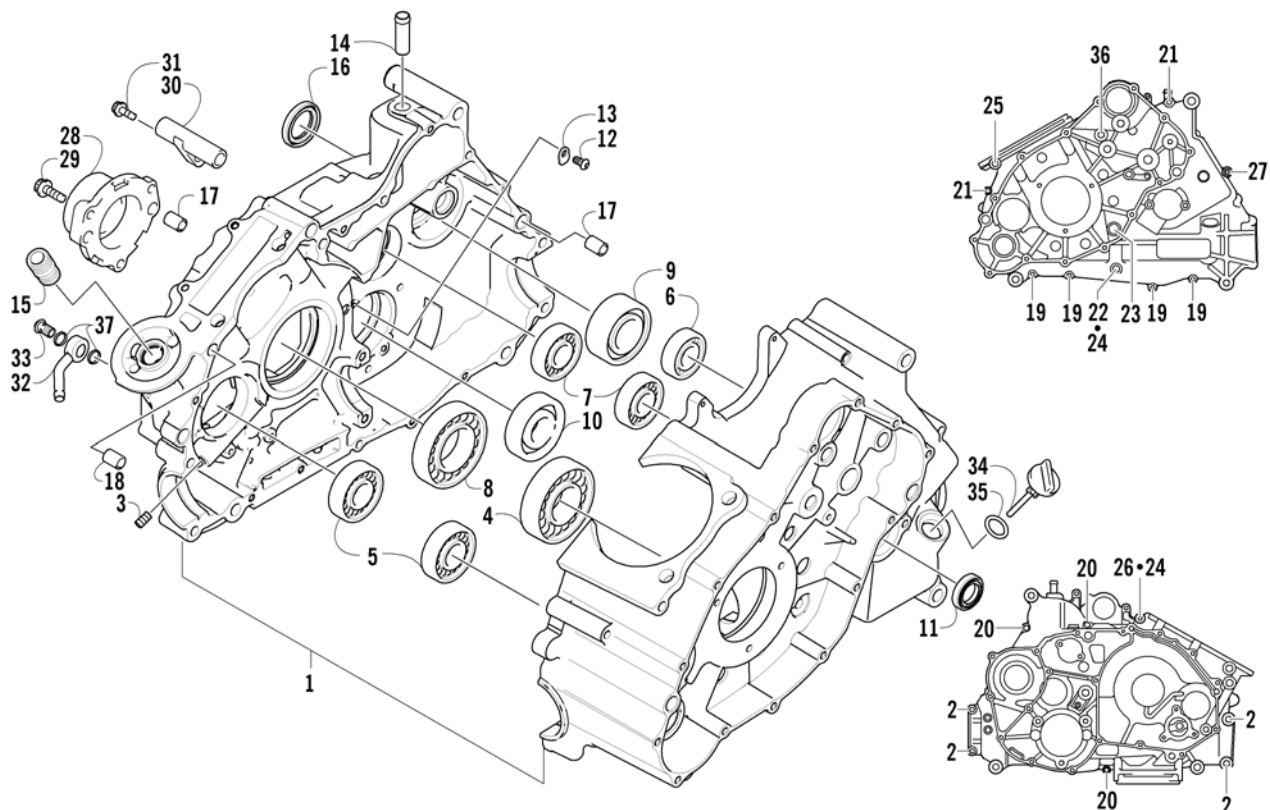


CYLINDER HEAD ASSEMBLY

0739-926

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0808-047	1	Head, Cylinder - Assembly (inc. 2-4)	16	0830-107	4	Gasket - Seal, Fastener
2	0808-002	4	ø Guide, Valve	17	0830-147	4	Washer, Crush
3	0829-001	2	ø Dowel, Sleeve	18	0217-727	1	Spark Plug (RG6YC)
4	0826-001	4	ø Screw, Cap	19	0808-003	2	Cap, Inspection
5	0826-002	2	Screw, Cap	20	0830-004	2	O-Ring
6	0830-124	1	Gasket, Cylinder Head	21	0826-007	5	Screw, Cap
7	0829-002	2	Pin, Dowel	22	0808-077	1	Plug, Cylinder Head
8	0808-037	4	Screw, Cap	23	0570-101	1	Pipe, Intake - Assembly
9	0827-030	2	Bolt, Stud	24	0830-090	1	O-Ring
10	0827-002	2	Bolt, Stud	25	0826-008	2	Screw, Machine
11	0827-031	1	Bolt, Stud	26	1623-108	1	Clamp, Intercooler
12	0826-005	2	Screw, Cap	27	0808-007	1	Switch, Water Temperature - Assembly
13	0826-006	4	Screw, Cap	28	0808-008	1	Cover, Thermostat
14	8424-604	5	Nut	29	0808-078	1	Thermostat
15	8424-804	1	Nut				

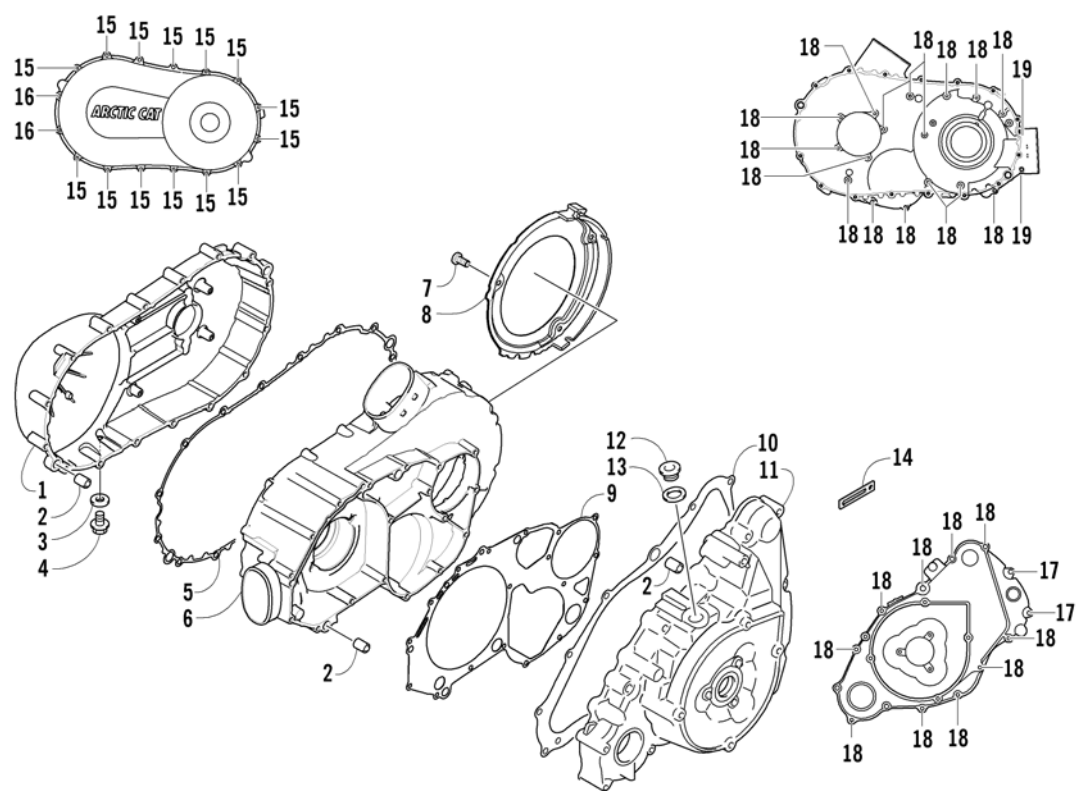
32



CRANKCASE ASSEMBLY

0739-931

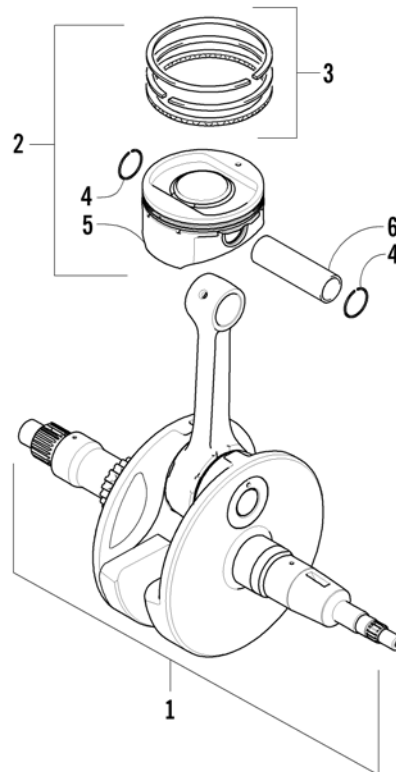
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0801-056	1	Crankcase Assembly (inc. 2-16)	20	8468-655	3	Screw, Machine
2	8412-850	4	ø Screw, Cap	21	8468-675	2	Screw, Machine
3	0801-002	2	ø Plug	22	8412-860	1	Screw, Cap
4	0832-003	1	ø Bearing	23	0826-017	1	Screw, Cap
5	0832-005	2	ø Bearing	24	0830-008	2	Gasket
6	0832-013	1	ø Bearing	25	0826-019	1	Screw, Cap
7	0832-014	2	ø Bearing	26	0826-018	1	Screw, Cap
8	0832-002	1	ø Bearing	27	8468-695	1	Screw, Machine
9	0832-012	1	ø Bearing	28	0801-006	1	Housing, Secondary Shaft Bearing
10	0832-015	1	ø Bearing	29	0826-105	3	Bolt
11	0822-052	1	ø Seal, Countershaft	30	0801-069	1	Pipe, Breather
12	0826-100	2	ø Screw, Cap	31	0826-038	1	Bolt, Breather Pipe
13	0822-010	2	ø Retainer, Bearing	32	0812-028	2	Fitting, Oil Cooler
14	0801-028	1	ø Pipe, Breather	33	0812-025	2	Bolt, Oil Cooler Fitting
15	0812-008	1	ø Union, Oil Filter	34	0801-005	1	Stick, Oil Level
16	0830-035	1	ø Seal, Driveshaft	35	0830-010	1	O-Ring, Oil Level Stick
17	0829-002	5	Pin, Dowel	36	8468-680	1	Screw, Machine
18	0829-003	1	Pin, Dowel	37	0812-026	4	Gasket
19	8468-645	4	Screw, Machine				



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0741-709

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0806-014	1	Cover, V-Belt	11	0806-077	1	Cover, Magneto - Assembly
2	0829-002	4	Pin, Dowel	12	0806-022	1	Plug
3	0830-013	1	Washer, Crush	13	0830-015	1	Washer, Crush
4	8408-812	1	Screw, Cap	14	3002-964	1	Clamp, Wire
5	0830-012	1	Gasket, V-Belt Cover	15	8468-645	14	Screw, Machine
6	0806-013	1	Cover, Clutch	16	8468-655	2	Screw, Machine
7	0826-029	3	Screw	17	8468-625	2	Screw, Machine
8	0806-048	1	Plate, Air Intake	18	8468-640	26	Screw, Machine
9	0830-116	1	Gasket, Clutch Cover	19	8468-675	2	Screw, Machine
10	0830-128	1	Gasket, Magneto Cover				

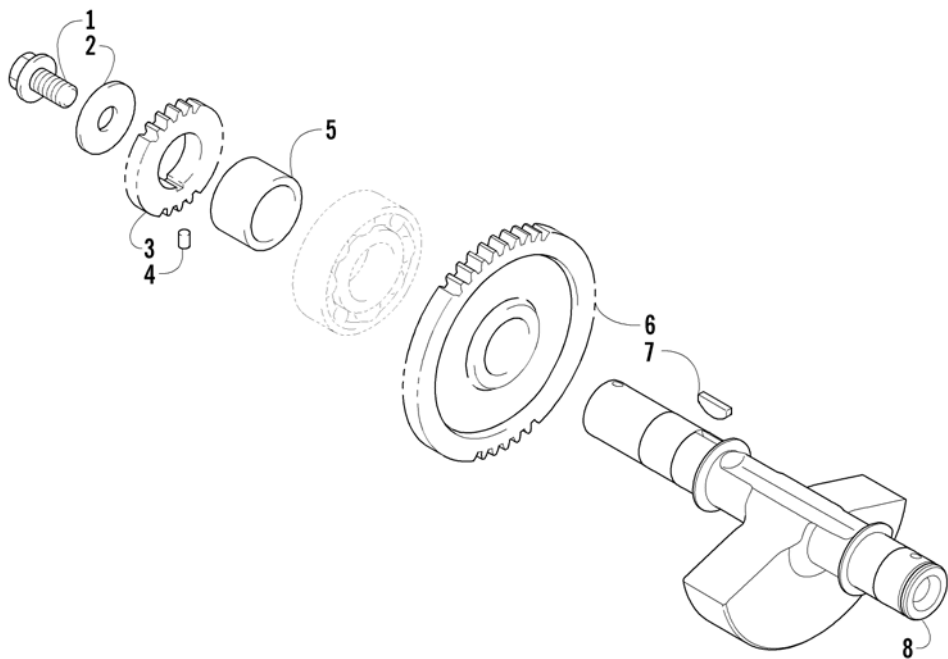


CRANKSHAFT ASSEMBLY

0739-932

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

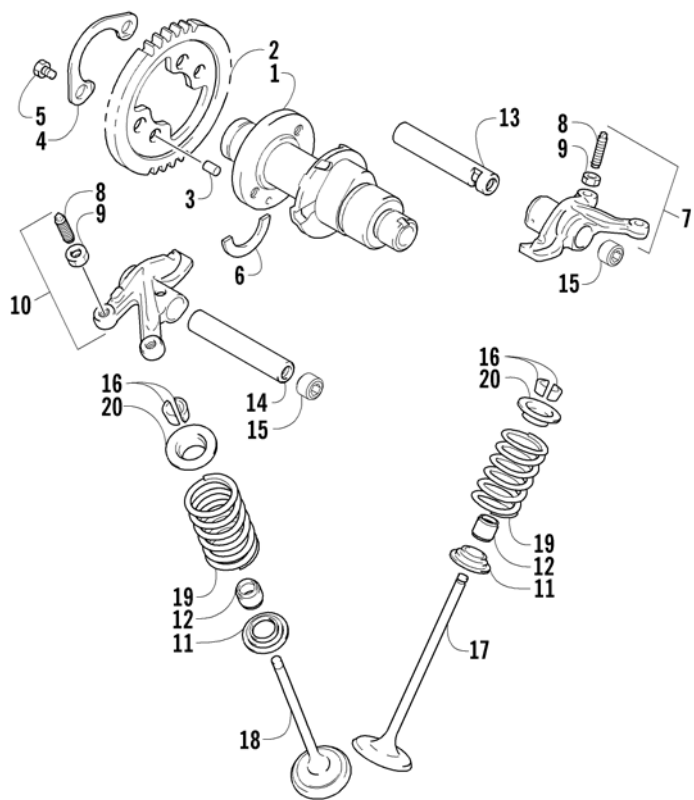
36



CRANK BALANCER ASSEMBLY

0739-941

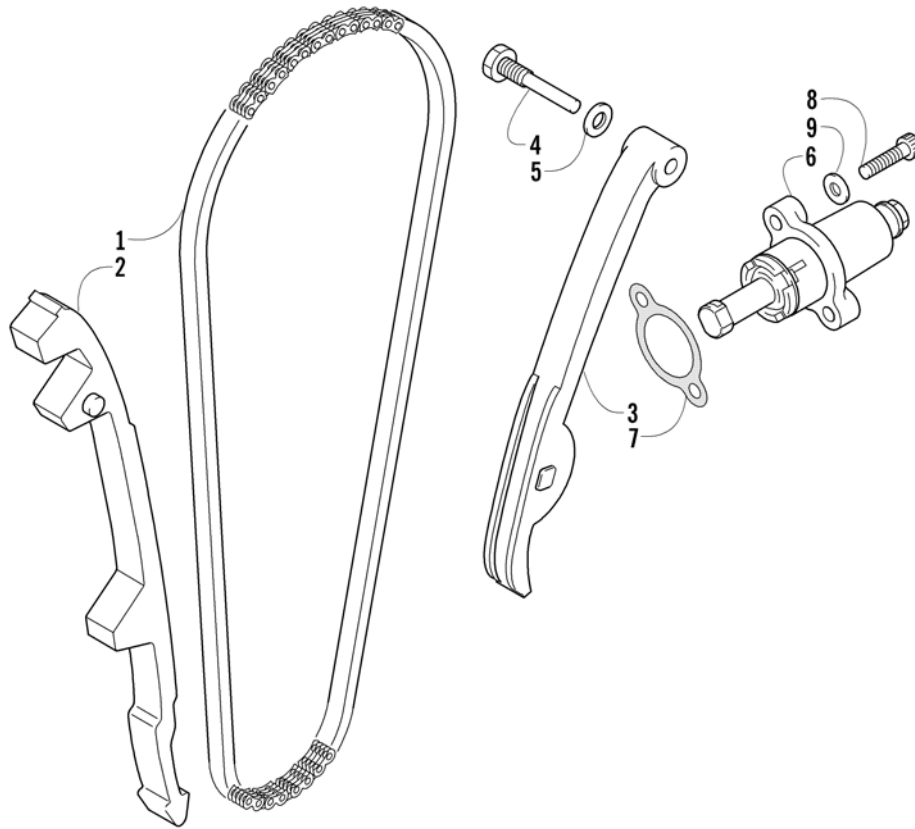
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0826-033	1	Screw, Cap	5	0811-004	1	Spacer
2	0828-003	1	Washer	6	0811-002	1	Gear, Driven
3	0811-003	1	Gear, Oil Pump Drive	7	0829-006	1	Key
4	0829-007	1	Pin, Dowel - Solid	8	0811-017	1	Balancer, Crank



CAMSHAFT/VALVE ASSEMBLY

0739-942

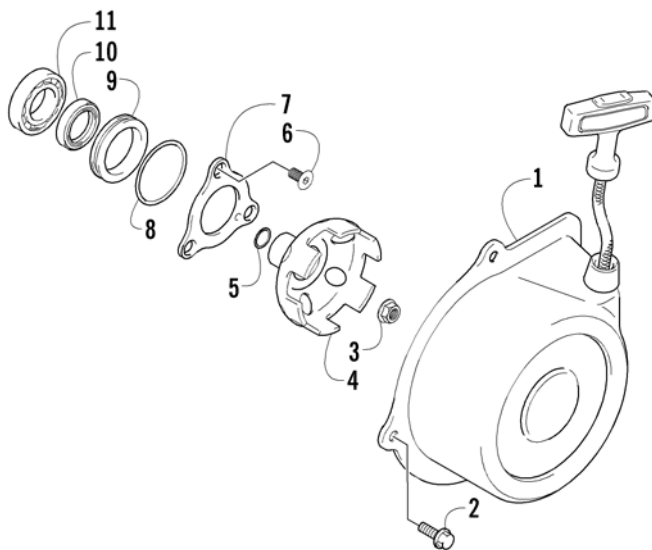
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0809-116	1	Camshaft	11	0809-006	4	Seat, Spring - Valve
2	0809-002	1	Sprocket	12	0830-016	4	Seal, Oil
3	0829-008	1	Pin	13	0809-007	1	Shaft, Rocker Arm - Intake
4	0828-004	1	Washer	14	0809-008	1	Shaft, Rocker Arm - Exhaust
5	0826-034	2	Bolt	15	0831-041	2	Plug, Shaft
6	0809-003	1	C-Ring	16	0809-014	8	Keeper, Valve
7	0809-134	1	Arm, Valve Rocker - Intake (inc. two No. 8-9)	17	0809-039	2	Valve, Intake
8	0809-033	4	ø Screw	18	0809-040	2	Valve, Exhaust
9	0827-007	4	ø Nut	19	0809-138	4	Spring, Valve
10	0809-136	1	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)	20	0809-013	4	Retainer, Spring



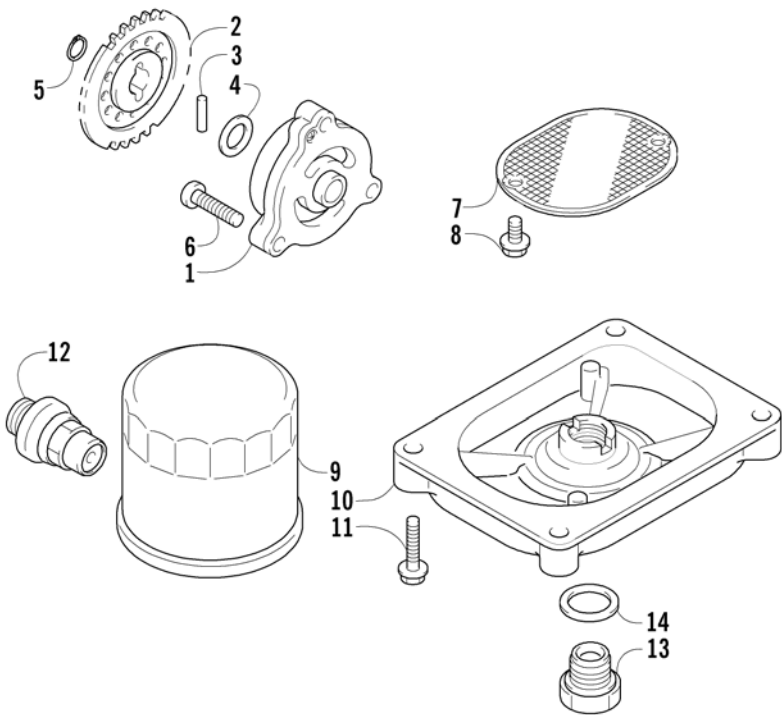
CAM CHAIN ASSEMBLY

0732-308

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



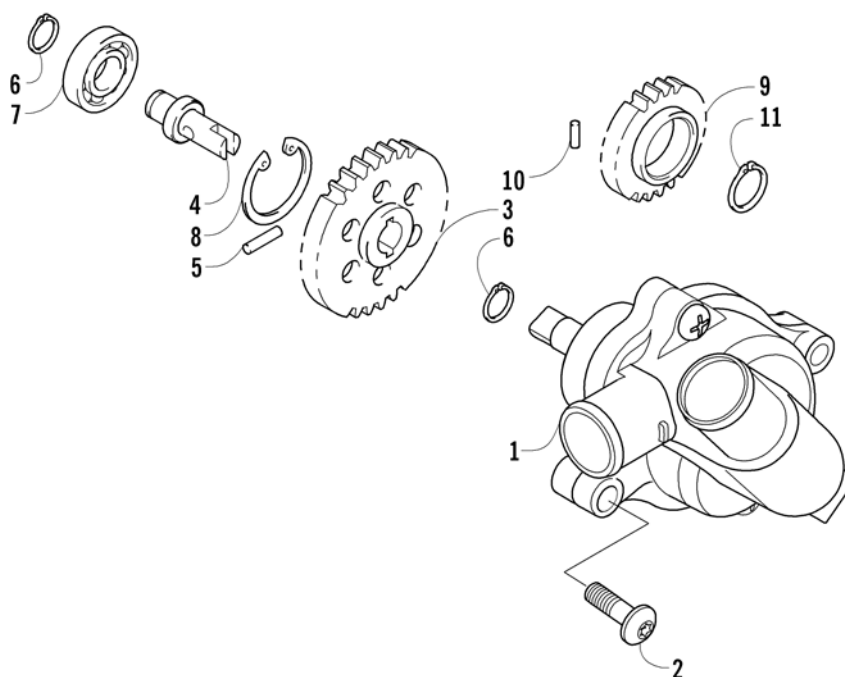
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0820-001	1	Starter, Recoil - Assembly	7	0805-008	1	Retainer, Oil Seal
2	0826-038	4	Screw, Machine	8	0830-021	1	O-Ring
3	0827-008	1	Nut	9	0820-007	1	Spacer
4	0820-036	1	Cup, Starter	10	0830-022	1	Seal, Oil
5	0830-108	1	O-Ring	11	0832-006	1	Bearing
6	0826-031	3	Screw				



OIL FILTER/PUMP ASSEMBLY

0741-719

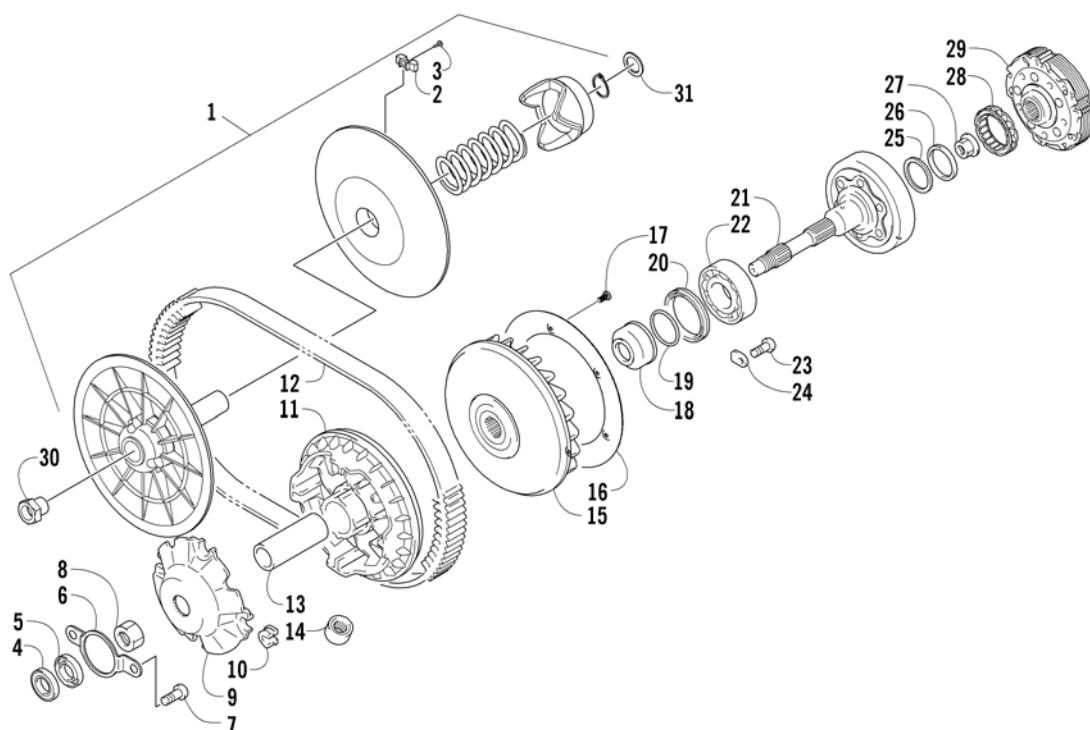
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0812-023	1	Pump, Oil	8	0826-040	2	Screw, Machine
2	0812-002	1	Gear, Driven	9	0812-029	1	Filter, Oil
3	0829-009	1	Pin	10	0812-053	1	Cap, Oil Strainer
4	0828-007	1	Washer	11	8468-625	4	Screw, Machine
5	0831-002	1	Circlip	12	0812-007	1	Valve, Oil-Relief - Assembly
6	0826-039	3	Screw, Cap	13	0812-006	1	Plug, Drain
7	0812-003	1	Strainer, Oil	14	0830-017	1	Gasket, Drain Plug



WATER PUMP ASSEMBLY

0739-945

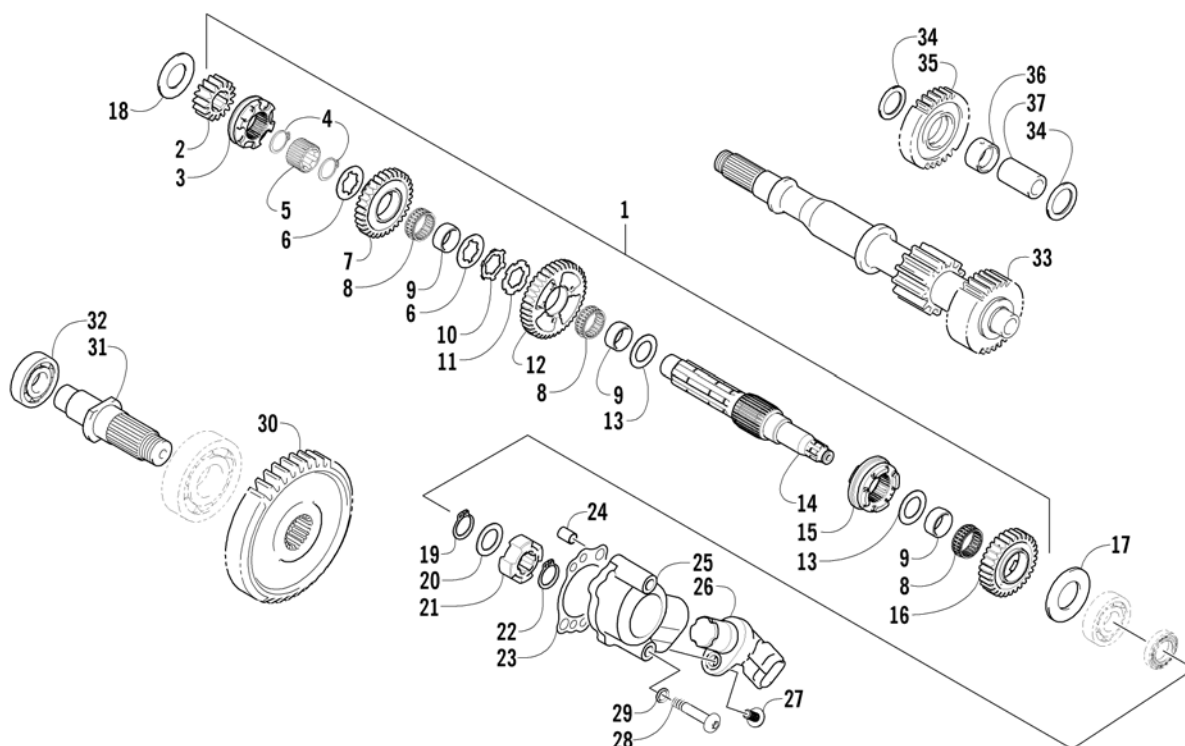
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0813-001	1	Pump, Water - Assembly	7	0832-008	1	Bearing, Shaft
2	8468-665	2	Screw, Machine	8	0831-004	1	Circlip, Shaft Bearing
3	0813-004	1	Gear, Driven	9	0811-003	1	Gear, Water Pump Drive
4	0813-005	1	Shaft, Driven Gear	10	0829-007	1	Pin,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



TRANSMISSION ASSEMBLY

0741-159

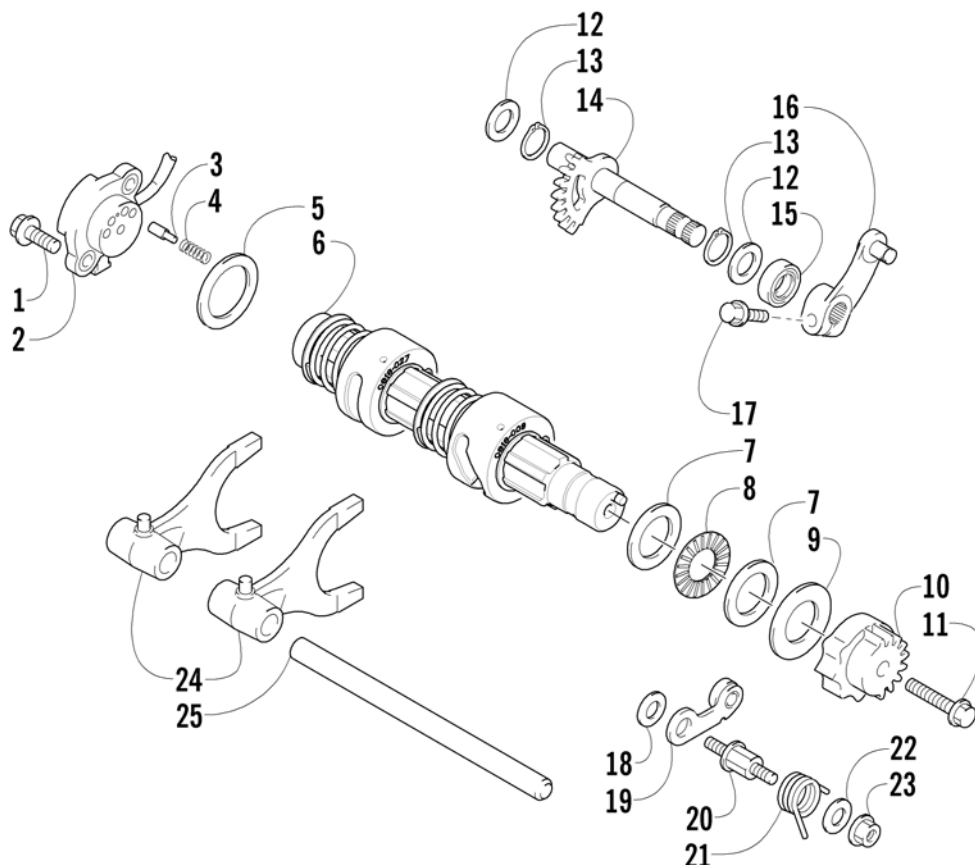
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0823-157	1	Pulley, Driven - Assembly	17	0623-914	6	Screw, Self-Tapping
2	0823-176	3	Shoe, Cam	18	0823-015	1	Spacer, Fixed Drive Face
3	0823-177	3	Screw, Cam	19	0470-531	1	O-Ring
4	0832-010	1	Bearing	20	0830-034	1	Seal, Clutch Housing - Right
5	0823-016	1	Seal, Clutch Housing - Right	21	0823-096	1	Housing, Clutch
6	0823-020	1	Retainer, Bearing	22	0832-009	1	Bearing
7	0826-031	2	Screw	23	0826-029	2	Screw, Bearing Retainer
8	0827-010	1	Nut	24	0822-010	2	Retainer, Bearing
9	0823-008	1	Plate, Movable Drive Face	25	0828-075	1	Shim
10	0823-010	4	Damper, Movable Drive Face	26	0823-017	1	Seal, Clutch Housing - Left
11	0823-159	1	Face, Movable Drive	27	0827-011	1	Nut
12	0823-013	1	Belt, Drive	28	0823-018	1	Clutch, One-Way
13	0823-149	1	Spacer, Movable Drive Face	29	0823-098	1	Clutch, Centrifugal - 6 Plate
14	0823-012	8	Roller, Movable Drive Face	30	0823-178	1	Nut, Driven Pulley
15	0823-156	1	Face, Fixed Drive	31	0828-076	1	Shim
16	0823-131	1	Shroud, Drive Face				



SECONDARY TRANSMISSION ASSEMBLY

0739-954

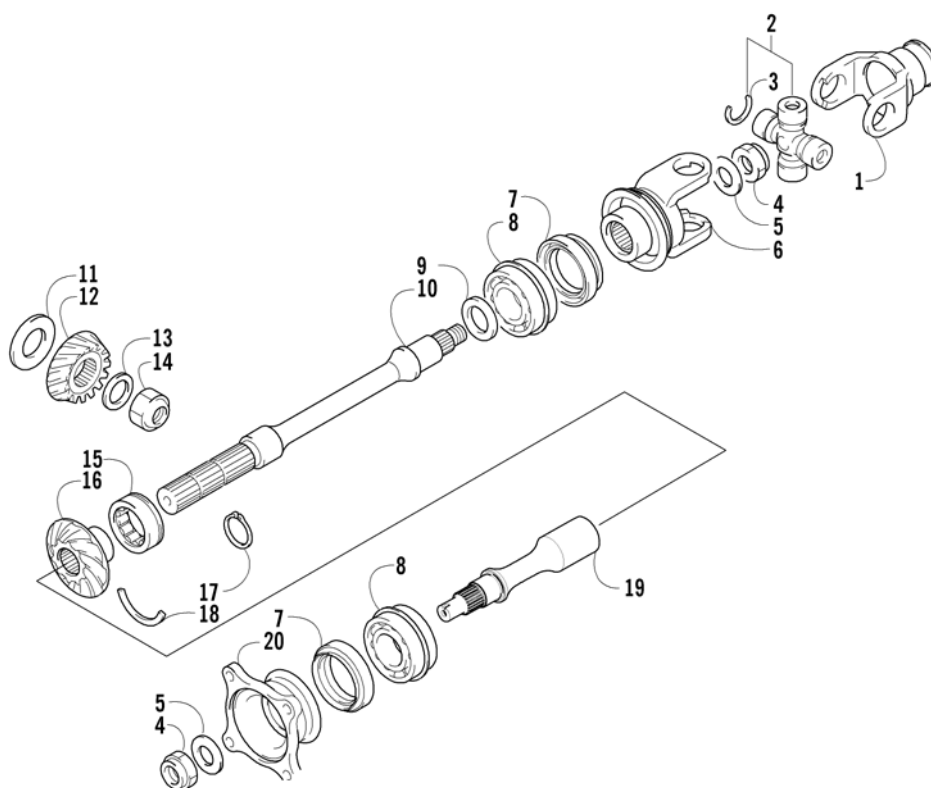
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0822-048	1	Countershaft Assembly (inc. 2-16)	20	0828-069	1	Washer, Thrust
2	0822-008	1	ø Gear, Drive - No. 2	21	0822-050	1	Trigger, Speedometer Sensor
3	0822-014	1	ø Dog, Reverse Driven Gear	22	0831-039	1	Ring, Retaining
4	0831-011	2	ø Circlip	23	0830-129	1	Gasket
5	0822-045	1	ø Spacer, Reverse Driven Gear	24	0829-023	2	Pin, Dowel
6	0828-008	2	ø Washer	25	0822-049	1	Housing, Speedometer Sensor
7	0822-013	1	ø Gear, Reverse Driven	26	0824-015	1	Sensor, Speedometer
8	0832-011	3	ø Bearing	27	8468-620	1	Screw, Machine
9	0822-005	3	ø Bushing	28	8468-645	2	Screw, Machine
10	0828-014	1	ø Washer, Lock	29	0830-107	2	Seal, Fastener
11	0828-015	1	ø Washer, Lock	30	0822-009	1	Gear, Driven - No. 2
12	0822-004	1	ø Gear, Driven - Low	31	0822-037	1	Shaft, Output
13	0822-046	2	ø Washer, Driven Gear	32	0832-014	1	Bearing
14	0822-003	1	ø Countershaft	33	0822-001	1	Driveshaft
15	0822-007	1	ø Dog, Sliding	34	0828-016	2	Washer, Reverse Idle Gear
16	0822-006	1	ø Gear, Driven - High	35	0822-011	1	Gear, Reverse Idle
17	0828-011	1	Washer, Drive Gear - Left	36	0822-012	1	Bushing, Reverse Idle Gear
18	0828-010	1	Washer, Drive Gear - Right	37	0822-015	1	Shaft, Reverse Idle
19	0831-040	1	Ring, Retaining				



GEAR SHIFTING ASSEMBLY

0739-957

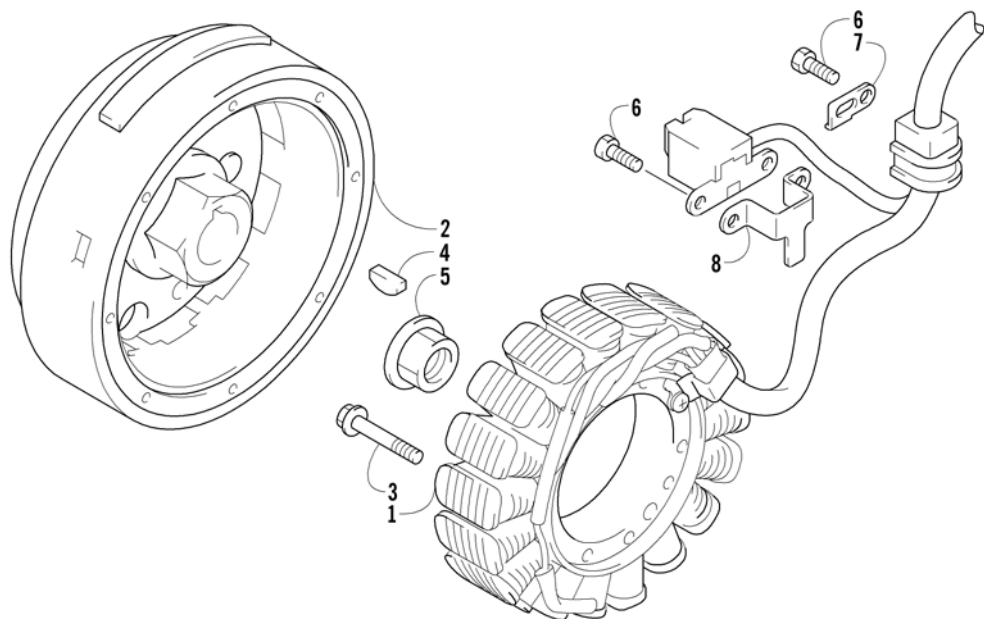
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8470-520	2	Screw, Machine	14	0818-007	1	Shaft, Sub-Gear Shift
2	0818-049	1	Base, Gear Shift - Assembly	15	0830-044	1	Seal, Sub-Gear Shift Shaft
3	0818-013	2	Contact	16	0818-014	1	Arm, Select
4	0818-017	2	Spring	17	8468-620	1	Screw, Machine
5	0828-040	1	Washer, Shift Shaft	18	0828-038	1	Washer, Cam Stopper
6	0818-046	1	Shaft, Gear Shift - Assembly	19	0818-002	1	Stopper, Cam
7	0828-067	2	Washer, Shift Shaft	20	0818-004	1	Support, Cam Stopper
8	0832-034	1	Bearing	21	0818-028	1	Spring, Cam Stopper
9	0828-037	1	Washer, Gear Shift Cam Plate	22	0828-035	1	Washer, Cam Stopper Spring
10	0818-005	1	Plate, Gear Shift Cam	23	8424-602	1	Nut, Cam Stopper Spring
11	0826-006	1	Bolt, Gear Shift Cam Plate	24	0818-072	2	Fork, Shift
12	0828-036	2	Washer, Sub-Gear Shift Shaft	25	0818-006	1	Shaft, Shift Fork
13	0831-010	2	Circlip, Sub-Gear Shift Shaft				



SECONDARY DRIVE ASSEMBLY

0739-956

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0819-063	1	Yoke, Propeller Shaft Joint	11	0828-030	AR	Shim, 24 x 34 x 0.25 mm
2	<u>1402-463</u>	1	Joint, Universal - Set (inc. 3)		0828-031	AR	Shim, 24 x 34 x 0.30 mm
3	0423-450	4	ð Circlip		0828-032	AR	Shim, 24 x 34 x 0.35 mm
4	0827-013	2	Nut, Rear Output Joint		0828-033	AR	Shim, 24 x 34 x 0.90 mm
5	0828-020	2	Washer, Rear Output Flange		0828-018	AR	Shim, 24 x 34 x 0.95 mm
6	0819-061	1	Yoke, Drive Output - Front		0828-062	AR	Shim, 24 x 34 x 1.00 mm
7	0830-043	2	Seal, Oil - Driven Shaft		0828-063	AR	Shim, 24 x 34 x 1.05 mm
8	0832-017	2	Bearing, Driven Shaft		0828-064	AR	Shim, 24 x 34 x 1.10 mm
9	0828-021	AR	Shim, 25 x 34 x 0.25 mm		0828-065	AR	Shim, 24 x 34 x 1.15 mm
	0828-022	AR	Shim, 25 x 34 x 0.30 mm	12	0819-001	1	Gear, Secondary Drive
	0828-023	AR	Shim, 25 x 34 x 0.70 mm	13	0828-019	1	Washer
	0828-024	AR	Shim, 25 x 34 x 0.90 mm	14	0827-012	1	Nut
	0828-025	AR	Shim, 25 x 34 x 0.95 mm	15	0832-016	1	Bearing, Driven Gear
	0828-026	AR	Shim, 25 x 34 x 1.00 mm	16	0819-002	1	Gear, Secondary Driven
	0828-027	AR	Shim, 25 x 34 x 1.05 mm	17	0831-008	1	Circlip, Secondary Driven Gear
	0828-028	AR	Shim, 25 x 34 x 1.10 mm	18	0819-011	1	Ring, Driven Bearing
	0828-029	AR	Shim, 25 x 34 x 1.15 mm	19	0819-053	1	Shaft, Secondary Driven - Rear
10	0819-003	1	Shaft, Secondary Driven - Front	20	0819-005	1	Flange, Output Joint - Rear



MAGNETO ASSEMBLY

0737-780

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

50

RELATED ITEMS

2008 ATV 650 H1 3in1

0436-925	Bag, Rack, Front, Black	0652-024	Paint, Metal - Black
0436-480	Bar, Utility	0436-635	Plow Attachment Kit
0436-619	Brush Guard/Bumper - Deluxe	0436-228	Plow Blade, 50 in. - Straight
0436-757	Bumper - Rear	0436-287	Plow Blade, 50 in. - One-Way
0436-827	Cargo Box	0436-296	Plow Blade, 60 in. - Straight
0436-460	Carryall (11 x 17)	0436-360	Plow Blade, 60 in. - One-Way
0436-462	Carryall (10 D)	0436-636	Plow, Push Frame
0436-477	Cord Reel	0436-626	Rack Basket
0436-726	Cover, Trailerable	0436-798	Rack - Rear
0436-087	Electrical Plug	0436-965	Saddlebags
0436-035	Engine Block Heater	0436-026	Tire Chains, Size B (24 in. and 25 in. Tires)
0436-466	Fender Box	0436-027	Tire Chains, Size C (25 in. and 26 in. Tires)
0436-538	Gear Cradle	1402-028	Tire, Titan AT589 (25x8-12, Mud & Snow)
0436-501	Grease, High-Performance	0402-563	Tire, Titan AT589 (25x10-12, Mud & Snow)
0436-464	Grill Cradle	0436-656	Winch Accessories Kit
0436-828	Gun Holder	0436-655	Winch Kit, 2500 lb
0436-352	Hand/Thumb Warmers	0436-703	Windshield, Clear
0436-463	Light Bar	0436-623	Windshield, Clear w/Accent
0436-516	Light Mount, Portable - Cargo Box	0436-470	Workbase (8 in.)
0436-040	Light, Portable - Spotlight		
0436-039	Light, Portable - Work		
0436-774	Lunch Pack, Black		
2257-613	Manual, Operator's (E)		
2257-614	Manuel d'utilisation (F)		

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