



500 3in1

Zugmaschine



2008

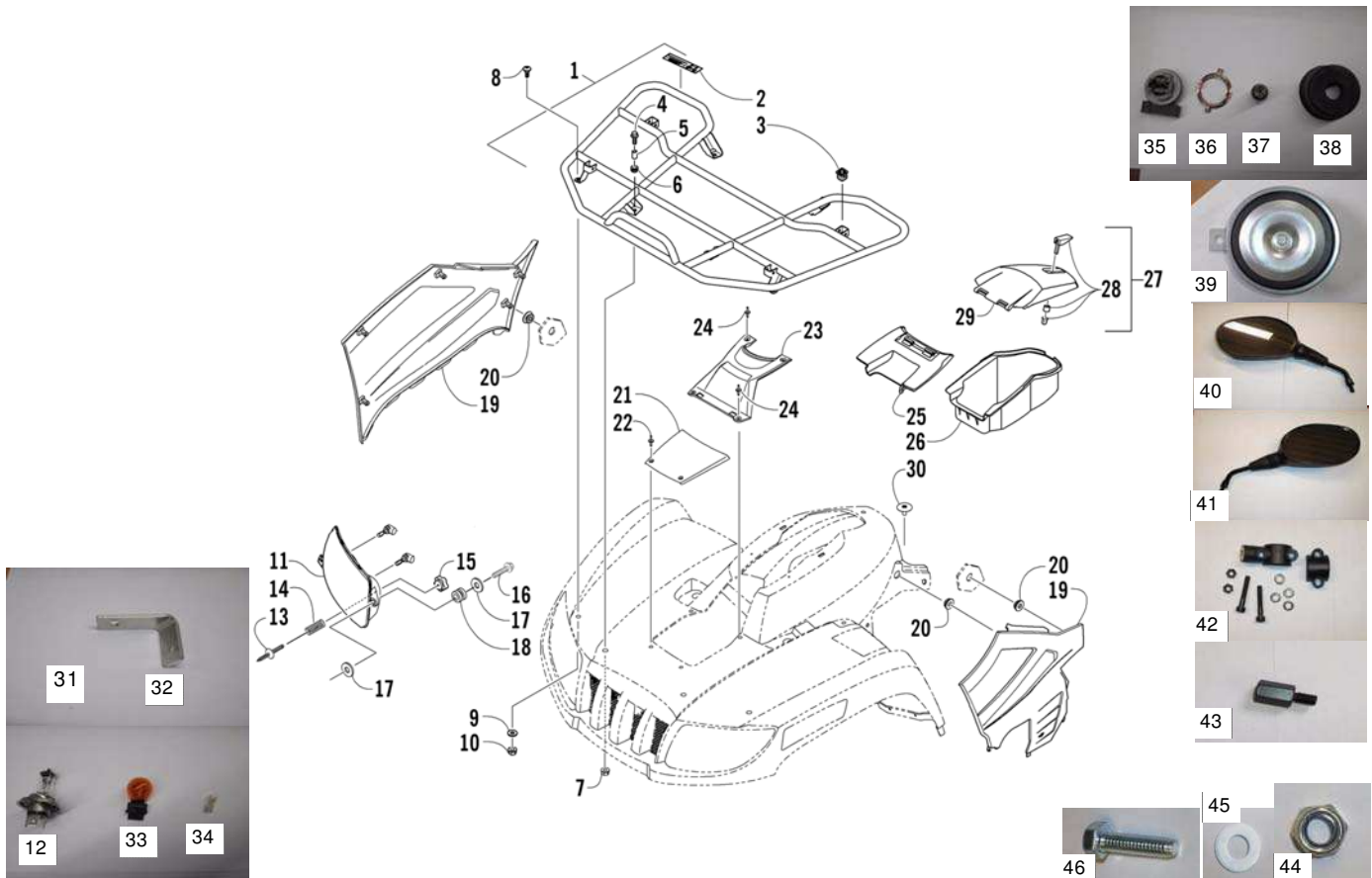
Illustrated Parts Manual

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2008 ATV 500 Automatic Transmission 3in1 Zugmaschine

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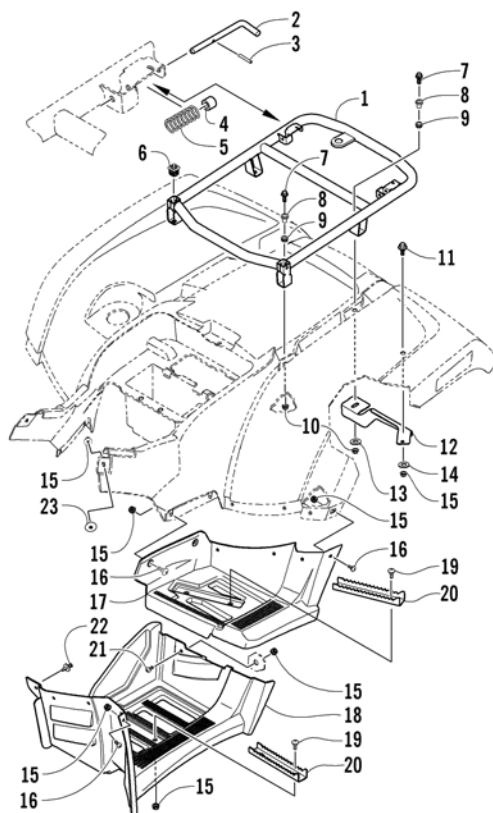
■ **NOTE:** The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly. For assembly procedures, use an Arctic Cat Service Manual. Underlined part numbers are new for the 2008 model year.



FRONT RACK AND HEADLIGHT ASSEMBLIES

0742-536

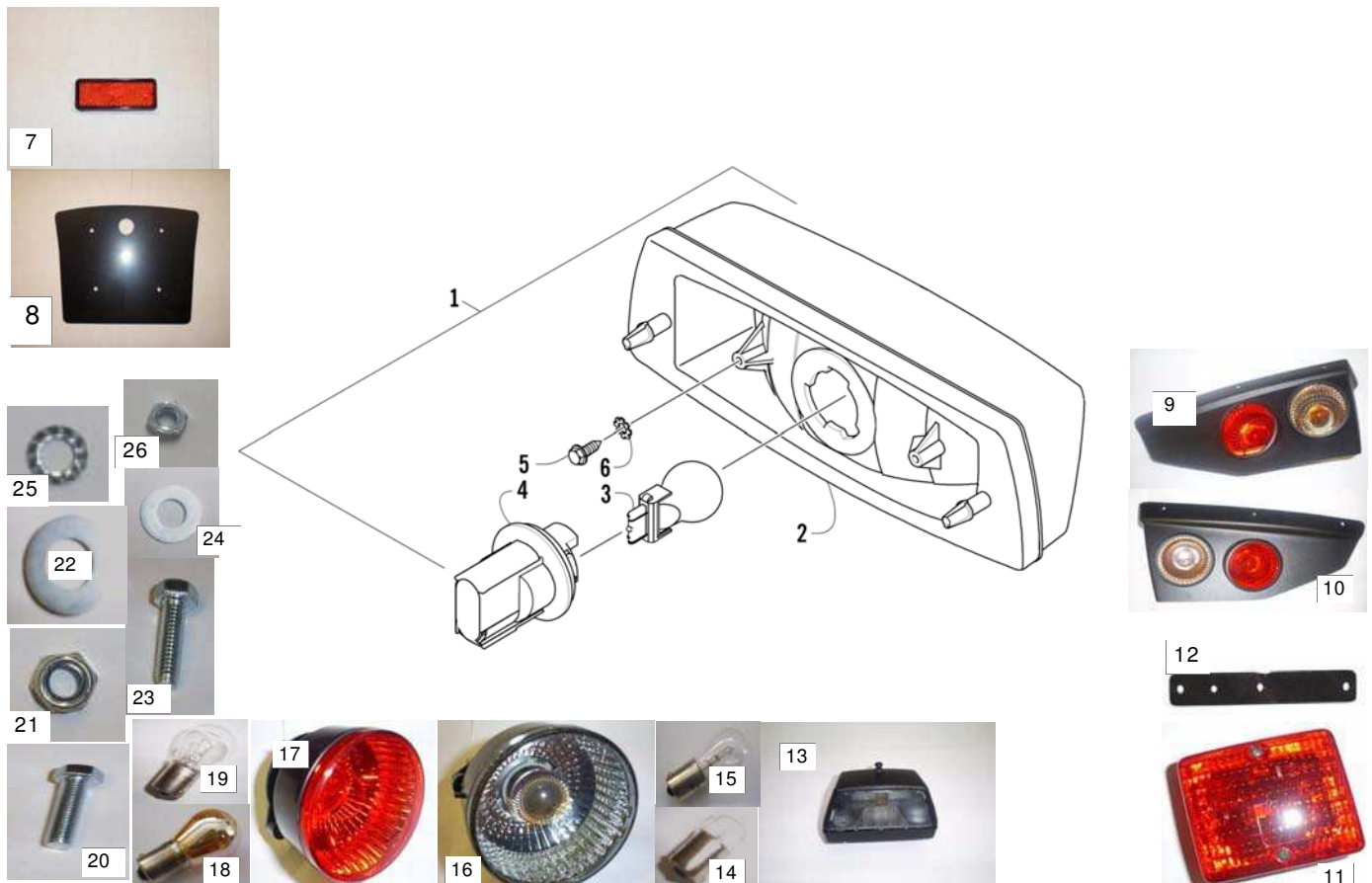
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2506-106	1	Rack, Front - Assembly (inc. 2-3)	24	0623-362	4	Rivet, Reinstallable
2	0411-576	1	ø Decal, Warning - Front Rack Load	25	0470-513	1	Cover, Storage Box
3	0441-592	4	ø Bushing, Rack	26	1406-573	1	Box, Storage
4	8410-830	4	Screw, Cap	27	2506-234	1	Lid, Storage Box w/Latch (inc. 28-29)
5	0423-669	4	Spacer	28	1406-599	1	ø Latch, Storage Box
6	0423-465	4	Grommet	29	0470-514	1	ø Lid, Storage Box
7	8432-802	4	Nut, Lock	30	0423-101	2	Screw, Body
8	0423-654	2	Screw, Shoulder	31	AC008-011	1	Holder Panel Left 500/650
9	8050-222	2	Washer	32	AC008-012	1	Holder Panel Right 500/650
10	0423-540	2	Nut, Lock	33	0409-099	2	Bulb, Turn Signal
11	0509-036	1	Headlight Assembly - Right (inc. 12,33-38)	34	0409-101	2	Bulb, Position Light
	0509-037	1	Headlight Assembly - Left (inc. 12,33-38)	35	0409-100	2	Socket, Bulb Turn
12	0409-096	2	ø Bulb, Headlight	36	0409-097	2	Retainer Bulb
13	0423-514	2	Stud, Adjuster - Headlight	37	0409-102	2	Socket, Bulb Position Light
14	0423-522	2	Spring, Adjuster	38	0409-098	2	Boot H/L Rubber
15	0423-513	2	Knob, Adjuster	39	0430-053	1	Horn
16	0623-785	4	Screw, Self-Tapping		2406-321	1	Bracket Mount Horn
17	8050-217	8	Washer	40	AC008-751	1	Mirror Left
18	0423-447	4	Grommet	41	AC008-752	1	Mirror Right
19	2406-324	1	Panel, Side - Lower - Right	42	AC008-753	1	Mirror Mounting Left
	2406-325	1	Panel, Side - Lower - Left	43	AC008-403	1	Mirror Adapter 2007 Right
20	0423-678	8	Grommet	44	AC008-424	2	Stop Nut M6
21	1406-358	1	Cover, Access	45	AC008-249	2	Washer6
22	0423-535	2	Rivet, Reinstallable	46	AC008-248	2	Hexagon Socket Screw M6x20
23	1406-484	1	Cover, Steering Post				



REAR RACK AND FOOTWELL ASSEMBLIES

0742-537

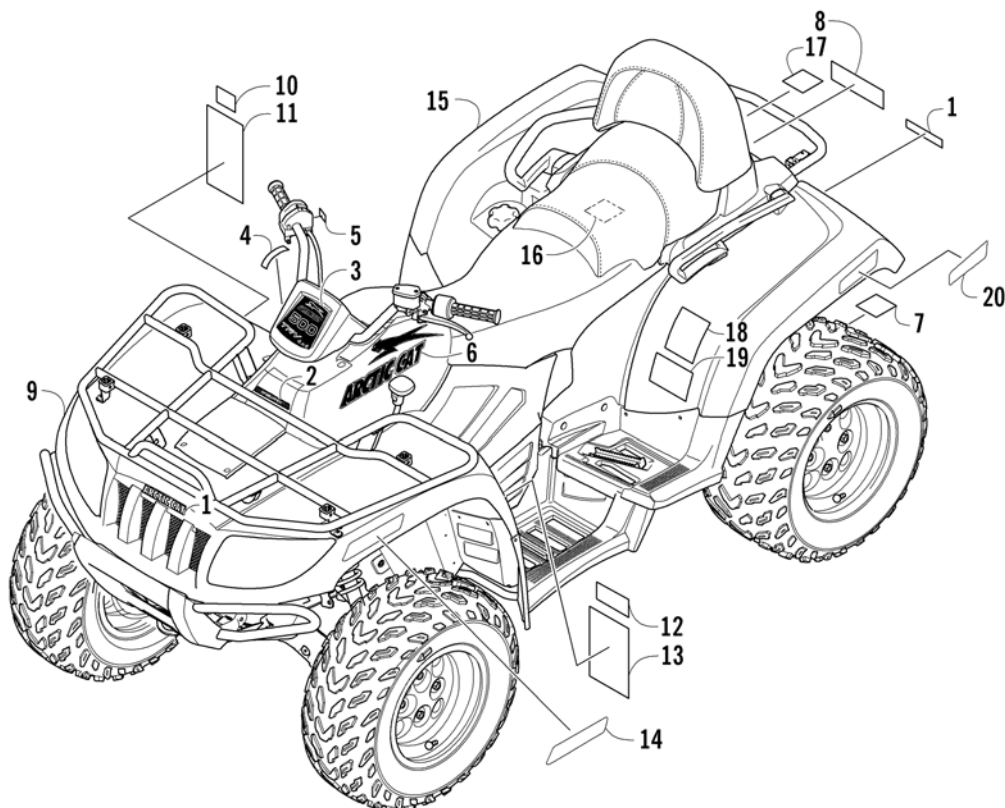
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2506-221	1	Rack, Rear - Assembly (inc. 2-6)	14	8050-222	2	Washer
2	0541-504	2	ø Pin - Assembly (inc. 3-5)	15	0423-540	36	Nut, Lock
3	0423-635	2	ø ø Pin, Roll	16	0423-419	22	Screw, Machine
4	0423-677	2	ø ø Collar	17	2406-042	1	Footwell, Rear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



TAILLIGHT ASSEMBLY

0739-667

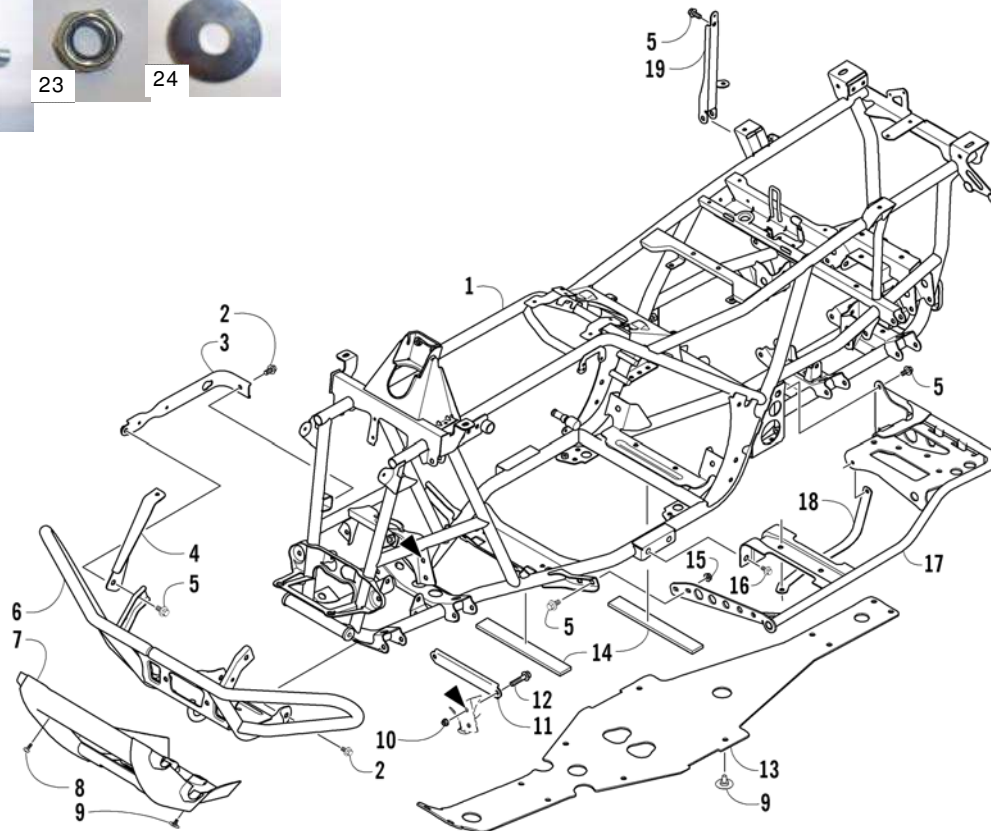
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-022	1	Taillight Assembly (inc. 2-4)	14	AC003-093	1	Bulb 10 Watt
2	0509-025	1	ø Housing, Taillight	15	AC003-094	1	Bulb 21 Watt
3	0409-056	1	ø Bulb, Taillight	16	AC003-029	1	Indicator Rear PROWLER
4	0409-057	1	ø Socket, Taillight	17	AC003-030	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	AC008-139	2	Reflector	20	AC008-247	2	Hexagon Socket Screw M5x20
8	AC008-231	1	Bracket Number Plate	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	25	AC008-425	2	Shake Proof Washer 5
13	AC003-147	1	Number Plate Light MF	26	AC008-426	2	Nut M5



BODY PANELS AND DECALS

0742-263

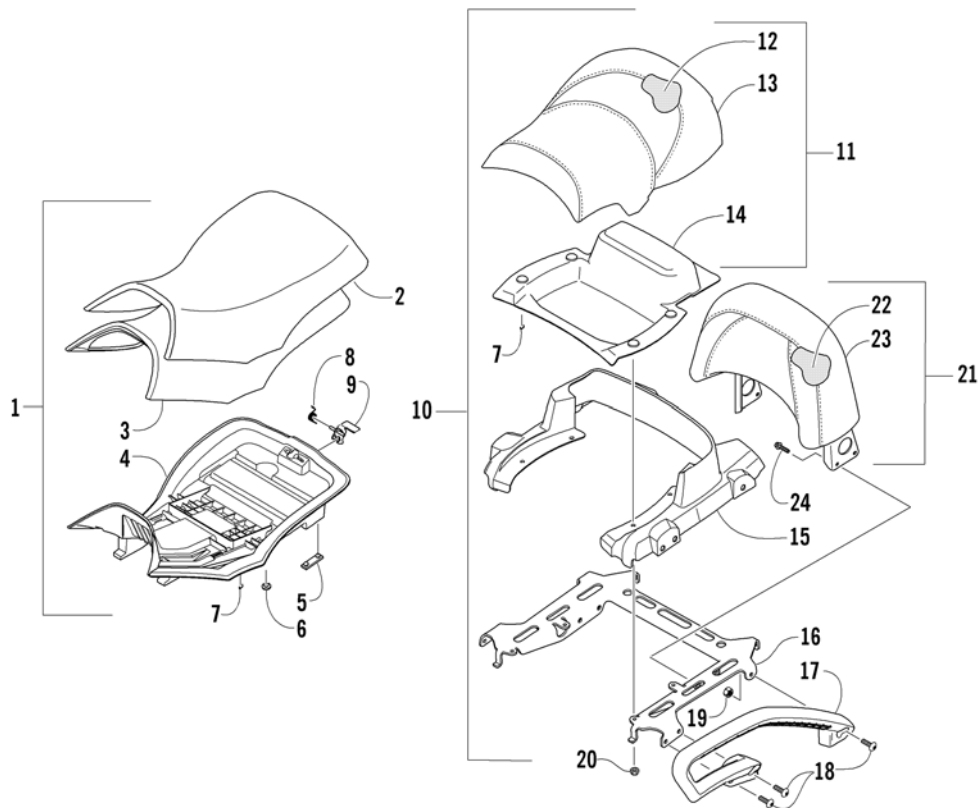
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>1411-725</u>	2	Decal, Front/Rear	10	0411-894	4	Decal, Warning - Hill
2	1411-050	1	Decal, "Speedrack"	11	0411-666	4	Decal, Warning - Reverse/Pro-Ride
3	<u>1411-695</u>	1	Decal, Instrument Pod	12	1411-574	4	Decal, Warning - Off-Road Only
4	0411-426	1	Decal, Warning - Clutch Cover	13	0411-753	4	Decal, Warning - Age/General
5	0411-966	1	Decal, Warning - Differential Lock	14	0411-818	1	Decal, Reflector - Front - Right
6	<u>1411-634</u>	1	Decal, Side - Upper Right		0411-819	1	Decal, Reflector - Front - Left
	<u>1411-635</u>	1	Decal, Side - Upper Left	15	<u>2406-484</u>	1	Panel, Fender Rear (Red Service)
7	1411-077	1	Decal, Warning - Towing		<u>2406-485</u>	1	Panel, Fender Rear (Green Service)
8	0411-814	1	Decal, "Arctic Cat" - White		<u>2406-486</u>	1	Panel, Fender Rear (Lime Service)
9	0518-006	1	Panel, Fender - Assembly - Front - Red (inc. 10-14)	16	1411-269	4	Decal, Warning - Passenger
	0518-008	1	Panel, Fender - Assembly - Front - Green (inc. 10-14) (Green)	17	1411-251	4	Decal, Warning - Seat/Passenger
	0518-007	1	Panel, Fender - Assembly - Front - Cat Green (inc. 10-14 (Cat Green))	18	0411-833	4	Decal, Passenger
				19	0411-832	1	Decal, Warning - Tire Pressure
				20	1411-592	1	Decal, Reflector - Rear - Right
					1411-593	1	Decal, Reflector - Rear - Left



FRAME AND RELATED PARTS

0742-264

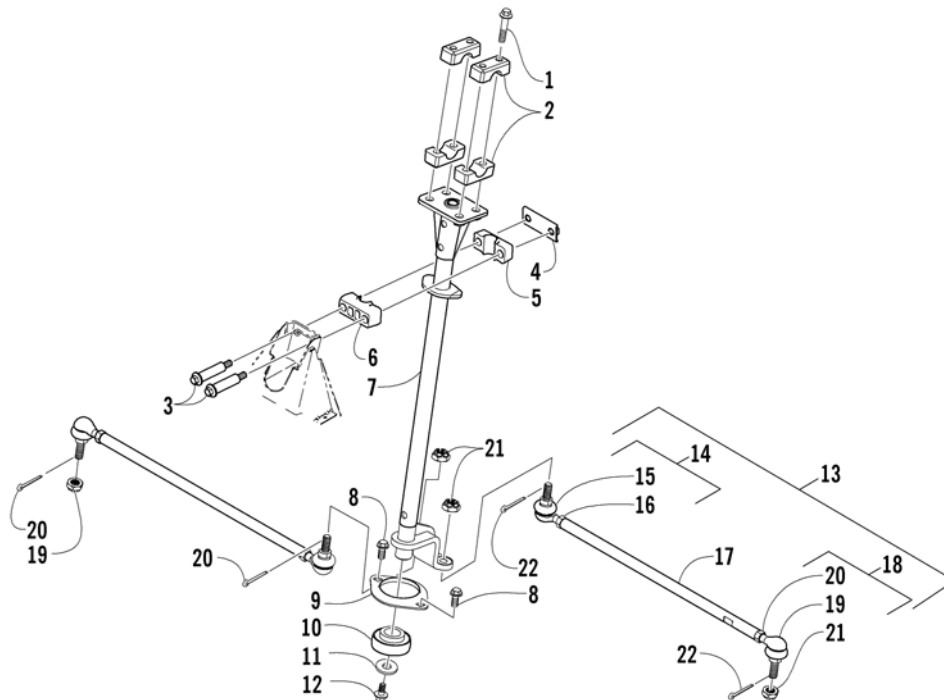
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	2506-531	1	Frame, Main	14	0406-289	2	Pad, Frame
2	8409-020	4	Screw, Cap	15	8424-802	4	Nut, Flange
3	1506-596	1	Channel, Bumper Mounting - Right	16	8409-016	4	Screw, Cap
	0506-653	1	Channel, Bumper Mounting - Left	17	1506-848	1	Footrest - Right
4	1506-562	1	Bracket, Mounting - Bumper - Right		1506-849	1	Footrest - Left
	1506-563	1	Bracket, Mounting - Bumper - Left	18	2406-216	1	Strap, Footrest - Right
5	8408-816	11	Screw, Cap		2406-217	1	Strap, Footrest - Left
6	1506-855	1	Bumper	19	2506-447	1	Channel, Shock Support
7	1406-360	1	Grille, Bumper	20	AC008-064	1	Towing Device 400/500/650
8	0423-419	2	Screw, Machine	21	AC008-050	2	Pipe Clamp 30/15
9	0423-101	14	Screw, Body	22	AC008-244	3	Lens Head Screw M5x35
10	8428-002	2	Nut, Lock	23	AC008-227	3	Stop Nut M10
11	1506-429	1	Brace, A-Arm	24	AC008-246	3	Large Diameter Washer 5x15
12	8409-025	2	Screw, Cap				
13	2406-091	1	Panel, Belly				



SEAT AND BACKREST ASSEMBLY

0740-930

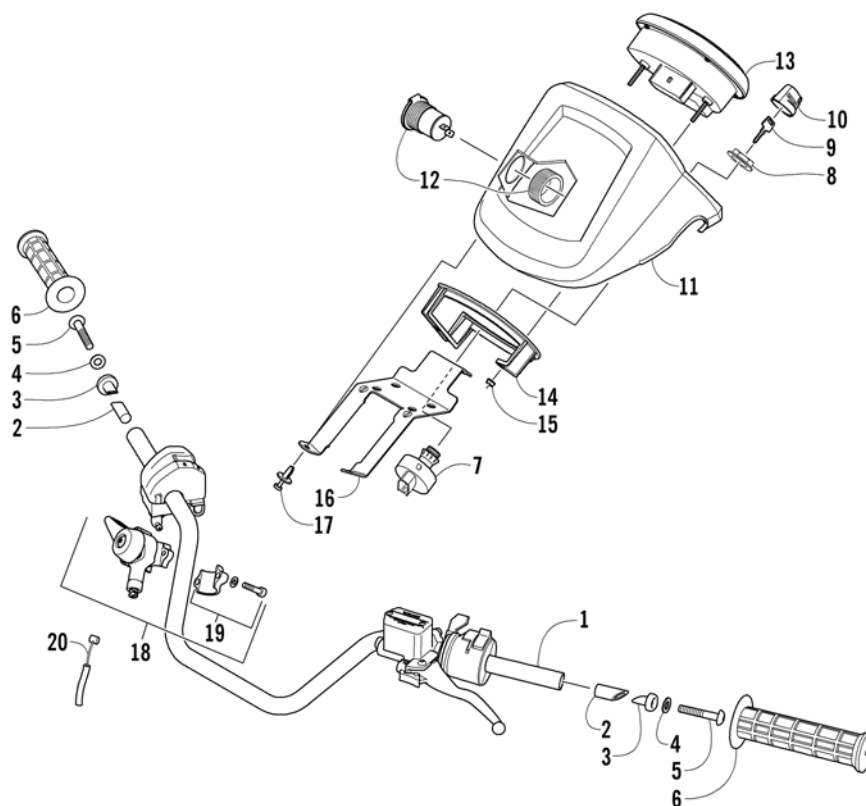
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-937	1	Seat Assembly (inc. 2-9)	13	1506-815	1	ø ø Cover, Seat - Passenger
2	1506-209	1	ø Cover, Seat	14	2406-110	1	ø ø Base, Seat - Inner
3	1506-208	1	ø Foam, Seat	15	2406-044	1	ø Base, Seat - Passenger
4	2406-144	1	ø Base, Seat - Assembly (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

0742-327R

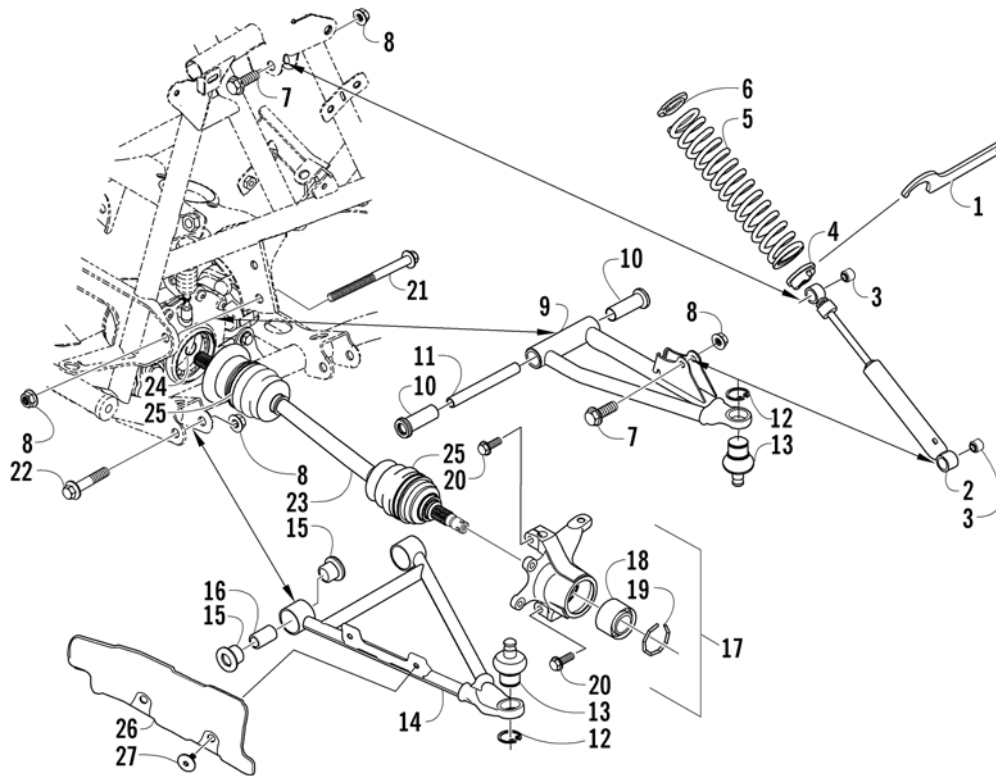
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8408-860	4	Screw, Cap	13	<u>0505-499</u>	2	Tie Rod - Assembly (inc. 14-20)
2	0405-035	4	Cap, Steering Adjuster	14	<u>0505-511</u>	2	ø End, Tie Rod - Left-Hand Thread - Kit (inc. 15-16 and two No. 21-22)
3	0423-505	2	Screw, Shoulder	15	*	2	ø ø End, Tie Rod - Left-Hand Thread
4	<u>0505-484</u>	1	Cap, Housing	16	0423-013	2	ø ø Nut - Left-Hand Thread
5	0405-138	1	Housing, Lower	17	<u>0405-281</u>	2	ø Tie Rod
6	0405-139	1	Housing, Upper	18	<u>0505-510</u>	2	ø End, Tie Rod - Left-Hand Thread - Kit (inc. 19-20 and two No. 21-22)
7	0505-451	1	Post, Steering	19	*	2	ø ø End, Tie Rod - Right-Hand Thread
8	8408-816	2	Screw, Cap	20	8420-002	2	ø ø Nut - Right-Hand Thread
9	0602-233	1	Flange, Bearing	21	0423-157	4	Nut, Lock
10	0405-052	1	Bearing w/Inverted Oil Seal	22	0623-175	4	Pin, Cotter
11	0423-073	1	Washer				
12	8409-020	1	Screw, Cap				



HANDLEBAR ASSEMBLY

0742-728

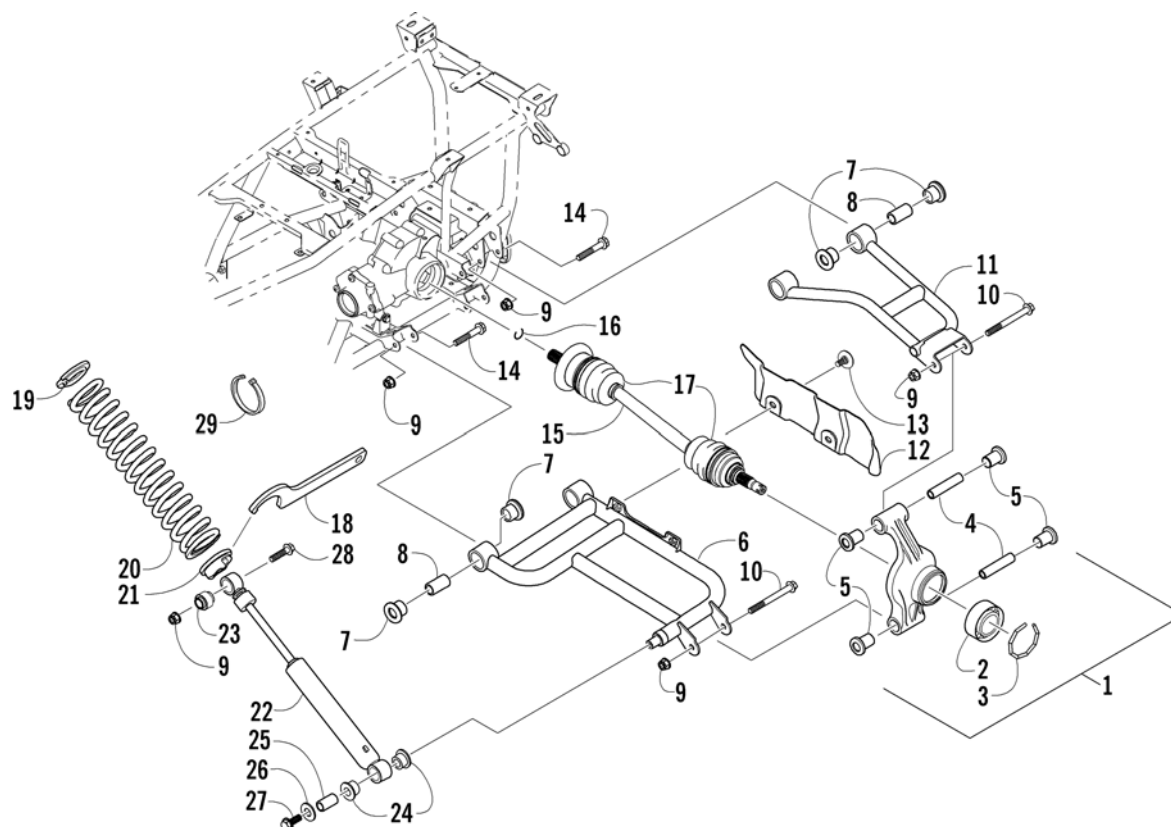
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0505-516	1	Tube, Handlebar	12	0641-897	1	Outlet, Accessory - 12V
2	0405-218	2	Plug, Handlebar	13	0520-028	1	Gauge, LCD
3	0405-149	2	End Cap, Handlebar	14	0420-065	1	Clamp, Plastic
4	8050-247	2	Washer	15	0423-493	2	Nut, Hex
5	8477-845	2	Screw, Machine	16	<u>2506-470</u>	1	Bracket, Mounting - Instrument Pod
6	0405-147	2	Grip, Handlebar	17	0423-535	2	Rivet, Reinstallable
7	<u>0430-069</u>	1	Switch, Ignition - Assembly (inc. 8-10)	18	0502-527	1	Control, Differential Lock (inc. 19)
8	0430-050	1	ø Nut, Flange - Ignition Switch	19	0502-613	1	ø Clamp, Differential Lock Control - Kit
9	<u>0430-042</u>	1	ø Key, Ignition (Y Series - Left-Side Cut)	20	0487-050	1	Cable, Differential Lock
	<u>0430-043</u>	1	ø Key, Ignition (Z Series - Right-Side Cut)				
10	0430-054	1	ø Cover, Key				
11	<u>0405-273</u>	1	Instrument Pod				
	<u>0405-274</u>	1	Instrument Pod (Green)				
	<u>0405-275</u>	1	Instrument Pod (Cat Green)				



FRONT SUSPENSION ASSEMBLY

0742-646

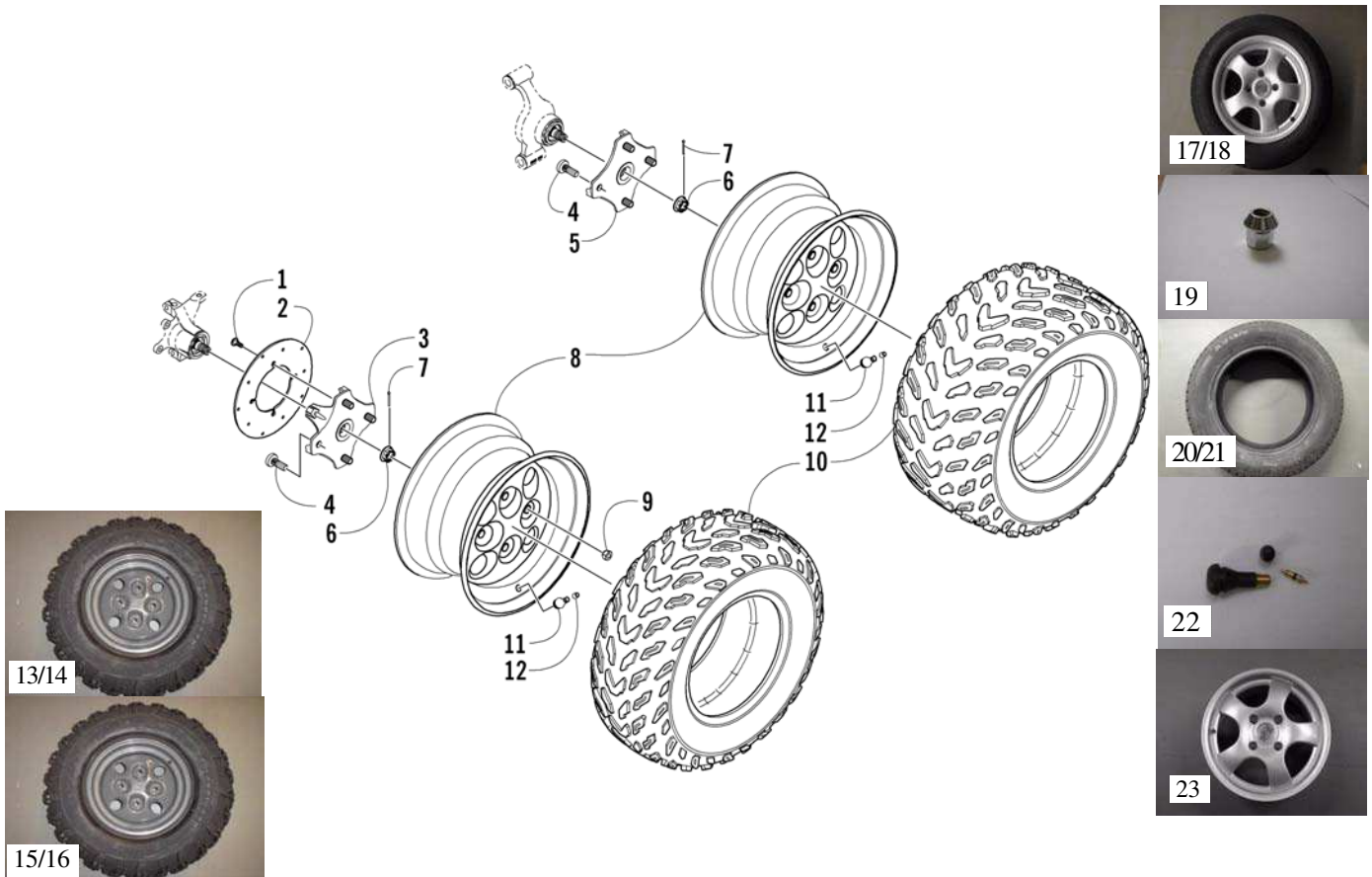
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0441-587	1	Wrench, Spanner	15	0403-115	8	ø Bushing
2	0403-176	2	Shock Absorber - Front (inc. 3)	16	0403-114	4	ø Collar
3	0403-182	4	ø Bushing, Double-Bonded	17	0505-460	1	Knuckle - Assembly - Right (inc. 18-19)
4	0403-102	2	Cam, Spring Adjuster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



REAR SUSPENSION ASSEMBLY

0741-439

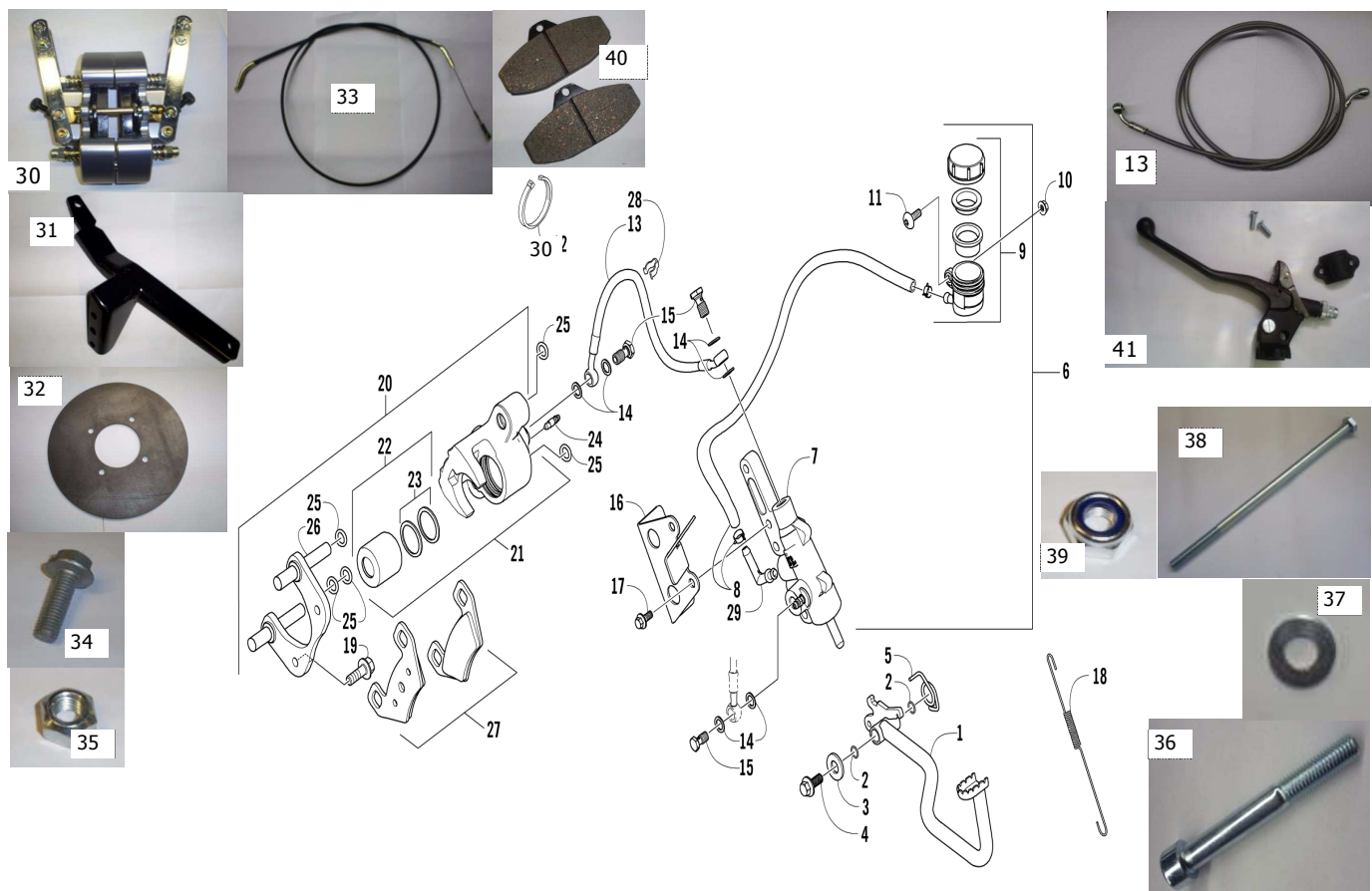
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-374	1	Knuckle, Right Rear - Assembly (inc. 2-5)	12	0441-754	1	Guard, Boot - Right
	0504-373	1	Knuckle, Left Rear - Assembly (inc. 2-5)		0441-755	1	Guard, Boot - Left
2	1402-027	2	ø Bearing, Wheel Hub		1441-004	1	Guard, Boot - Right (Green)
3	0423-423	2	ø Ring, Retaining		1441-005	1	Guard, Boot - Left (Green)
4	0403-038	4	ø Collar, Suspension Bushing		0441-758	1	Guard, Boot - Right (Cat Green)
5	0403-032	8	ø Bushing, Suspension		0441-759	1	Guard, Boot - Left (Cat Green)
6	0504-440	1	A-Arm, Rear - Lower Right - Platinum (inc. 7-8)	13	0423-545	4	Screw, Body
	0504-441	1	A-Arm, Rear - Lower Left - Platinum (inc. 7-8)	14	8409-075	8	Screw, Cap
	0504-438	1	A-Arm, Rear - Lower Right - Black (inc. 7-8) (Green)	15	0502-811	2	Axle, Drive - Rear (inc. 16-17)
	0504-439	1	A-Arm, Rear - Lower Left - Black (inc. 7-8) (Green)	16	0441-893	2	ø Clip, Retaining
7	0403-115	16	ø Bushing	17	0436-276	2	ø Repair Kit, Boot
8	0403-114	8	ø Collar	18	0441-587	1	Wrench, Spanner
9	8428-002	14	Nut, Lock	19	1603-889	2	Retainer, Spring
10	8409-000	4	Screw, Cap	20	0404-145	2	Spring, Suspension - Platinum
11	0504-476	1	A-Arm, Rear - Upper Right - Platinum (inc. 7-8)	21	0404-144	2	Spring, Suspension - Black (Green)
	0504-477	1	A-Arm, Rear - Upper Left - Platinum (inc. 7-8)	22	0404-057	2	Cam, Spring Adjuster
	0504-470	1	A-Arm, Rear - Upper Right - Black (inc. 7-8) (Green)	23	0404-147	2	Shock Absorber - Rear (inc. 23-25)
	0504-471	1	A-Arm, Rear - Upper Left - Black (inc. 7-8) (Green)	24	0403-182	2	ø Bushing, Double-Bonded
				25	0603-955	4	ø Bushing, Shock Absorber
				26	1603-219	2	ø Sleeve, Shock Absorber
				27	0423-087	2	Washer
				28	8408-820	2	Screw, Cap
				29	8409-050	2	Screw, Cap
					0123-788	AR	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	13	0502-464	1	Wheel, Gray RH 25x8-12
2	1402-225	3	Disc, Brake	14	0502-465	1	Wheel, Gray LH 25x8-12
3	0502-599	2	Hub, Wheel - Front (inc. 4)	15	0502-505	1	Wheel, Gray RH 25x11-12
4	0402-974	16	ø Stud, Wheel Hub	16	0502-506	1	Wheel, Gray LH 25x11-12
5	0502-601	1	Hub, Wheel - Rear - Left (inc. 4)	17	AC007-203	2	Wheel Assy. Onroad Front (inc. 20, 22, 23)
	0502-599	1	Hub, Wheel - Rear - Right (inc. 4)	18	AC007-216	2	Wheel Assy. Onroad Rear (inc. 21-23)
6	0423-607	4	Nut, Castle Flange	19	AC007-217	16	Nut, Aluminium Rim Silver
7	0423-407	4	Pin, Cotter	20	AC007-202	1	Road Tire 185/65-15
8	1402-127	2	Wheel - Front - Platinum	21	AC007-215	1	Road Tire 205/60-15
	1402-115	2	Wheel - Rear - Platinum	22	AC007-209	1	Valve Wheel, Road Tire
	0402-856	2	Wheel - Front - Gray (Green)	23	AC007-221	1	Aluminium Rim Silver
	0402-858	2	Wheel - Rear - Gray (Green)				
9	0423-408	16	Nut, Mounting - Wheel				
10	1402-100	2	Tire - Front				
	1402-137	2	Tire - Rear				
11	0402-064	4	Stem, Valve (inc. 12)				
12	0402-140	4	ø Cap, Valve Stem				

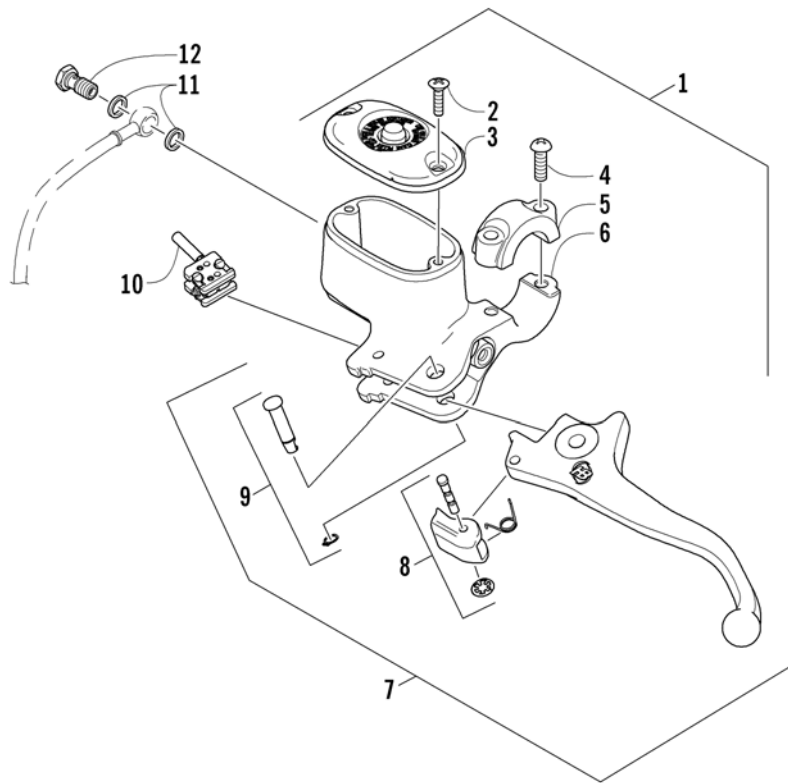


AUXILIARY BRAKE ASSEMBLY

(Master Cylinder Replacement Kit p/n 1502-294)

0742-599 *Not a Service Part

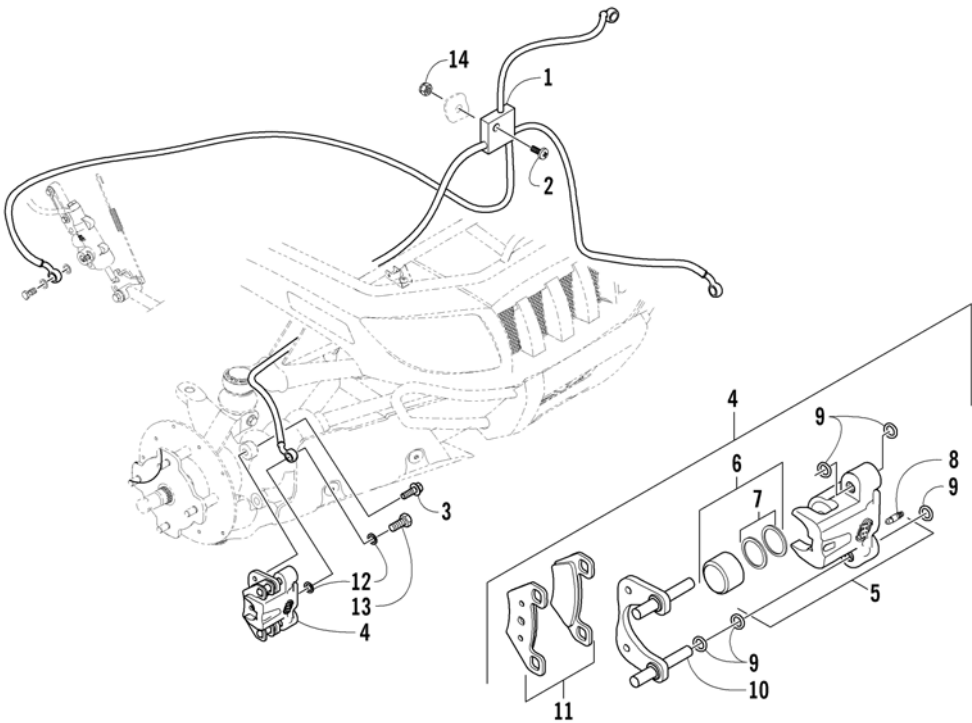
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-063	1	Lever, Brake	22	0502-606	1	ø ø Piston/Seal Set (inc. 23)
2	1602-213	2	O-Ring	23	0502-607	1	ø ø ø Seal Set
3	8050-252	1	Washer	24	0502-609	1	ø ø Valve, Bleed
4	8408-816	1	Screw, Cap	25	0502-608	1	ø O-Ring, Guide - Set
5	0502-807	1	Spring, Brake Lever	26	0502-605	1	ø Bracket Assembly
6	1502-147	1	Rear Master Cylinder	27	0502-875	1	ø Pad, Brake - Set
7	*	1	ø Master Cylinder	28	1502-115	2	Clip, Brake Hose
8	±	4	ø Hose, Brake Fluid Reservoir w/Clamps	29	<u>1502-296</u>	1	Adapter, Hose
9	1502-155	4	ø Reservoir, Brake Fluid w/Clamp	30	AC002-006	1	Brake Calliper
10	0623-038	4	Nut, Flanged	31	AC002-020	1	Brake Shoe Hosebrake Calliper 500er
11	8476-616	4	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	1502-594	1	Hose, Brake-MC/Calliper (58" WB)	34	AC008-237	4	Fin Screw M8x25
14	0423-178	6	Washer, Crush	35	AC008-238	2	Nut M10
15	0423-413	3	Bolt, 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	8408-821	2	Screw, Cap	40	AC002-015	1	Brake Pad Zugmaschine
20	0502-878	1	Caliper, Brake (inc. 21-27)	41	1502-150	1	Lever, park Brake-ace
21	0502-603	1	ø Housing, Caliper - Assembly - Right Rear (inc. 22-24)		AC002-202	1	Set brake calliper w/ bracket (incl. 30, 31, 35, 36, 37)



HYDRAULIC HAND BRAKE ASSEMBLY

0741-458

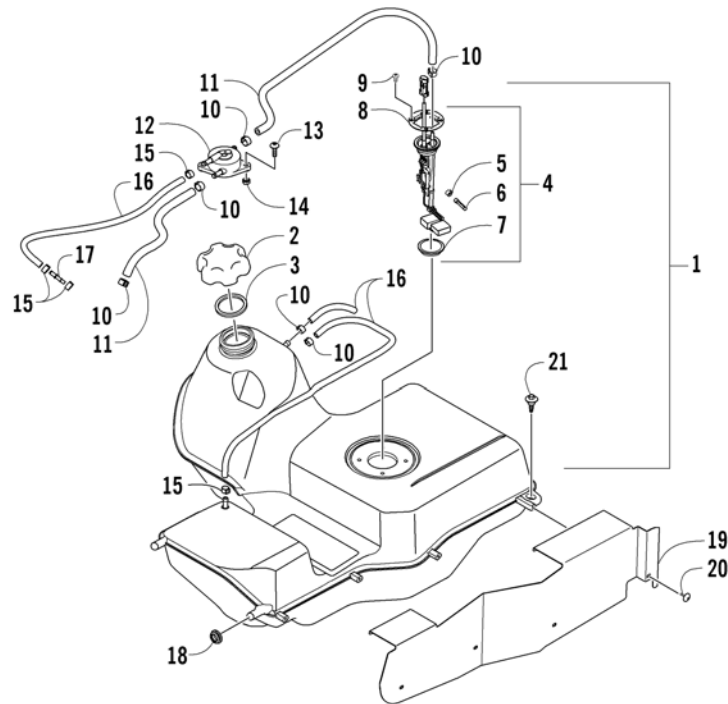
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-914	1	Brake Assembly (inc. 2-10)	7	0502-866	1	ø Lever Assembly (inc. 8-9)
2	0502-566	1	ø Screw, Reservoir Cover	8	0502-867	1	ø ø Lock, Brake Lever - Kit
3	0502-868	1	ø Cover, Reservoir	9	0502-580	1	ø ø Lever Pin - Kit
4	0502-568	1	ø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



HYDRAULIC BRAKE ASSEMBLY

0742-383

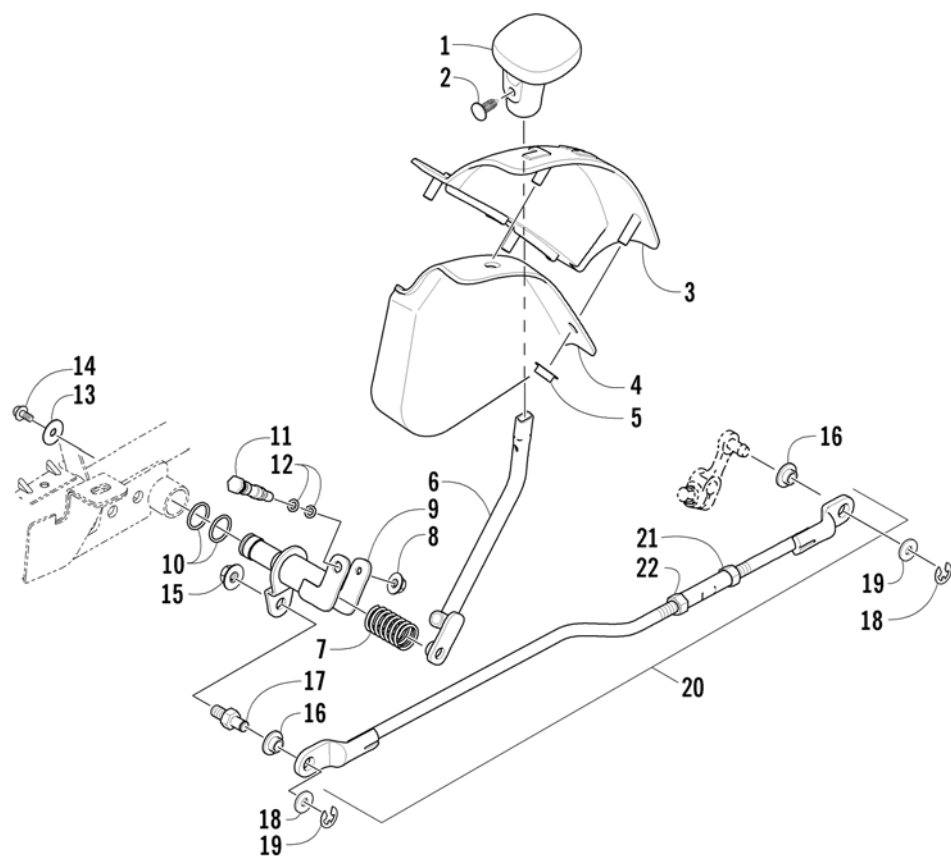
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-015	1	Hose, Brake - Assembly	7	0502-607	2	ø ø ø Seal Set
2	8476-625	1	Screw, Cap	8	0502-609	2	ø ø Valve, Bleed
3	8408-821	4	Screw, Cap	9	0502-608	2	ø O-Ring, Guide - Set
4	0502-878	1	Caliper, Brake - Right Front (inc. 5-11)	10	0502-605	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
6	0502-606	2	ø ø Piston/Seal Set (inc. 7)	14	0623-038	1	Nut, Lock
				15	1502-148	1	Hose, Brake Assembly
				16	1402-592	1	Hose, Brake



GAS TANK ASSEMBLY

0742-538

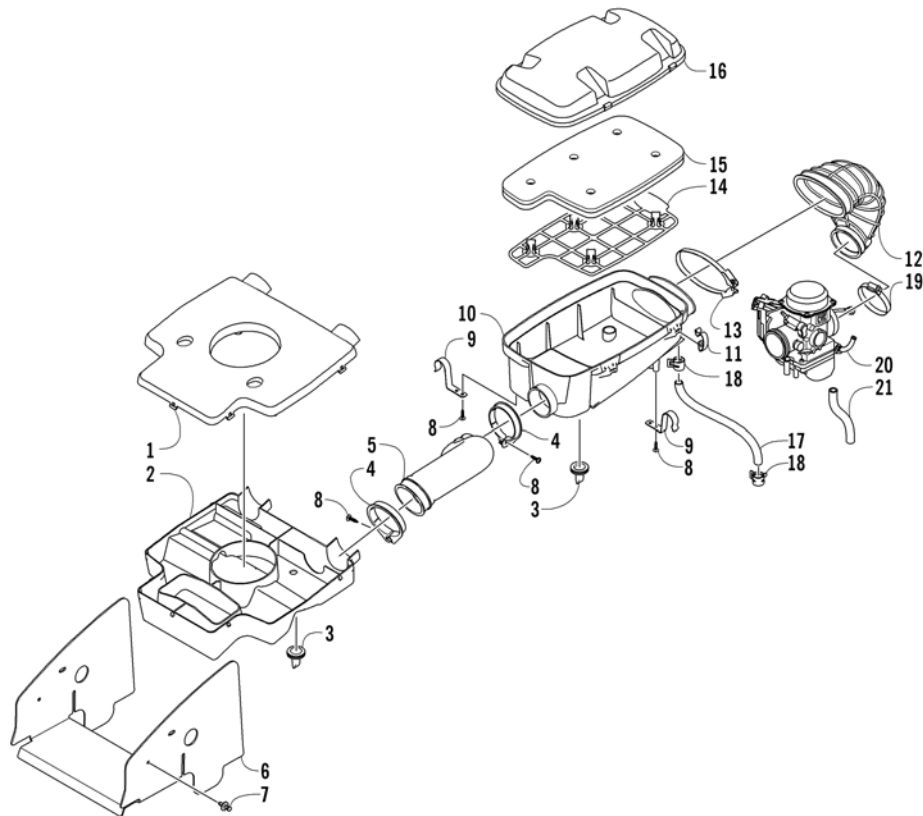
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0570-210</u>	1	Tank, Gas - Assembly w/Straps (inc. 2-9)	12	0470-758	1	Pump, Fuel
2	0470-438	1	ø Cap, Gas Tank (inc. 3)	13	8476-620	2	Screw, Machine
3	0109-733	1	ø ø Gasket, Gas Tank Cap	14	0623-038	2	Nut, Lock
4	<u>0570-229</u>	1	ø Sensor, Fuel Level (inc. 5-7)	15	0423-689	4	Clamp, Hose
5	0423-603	1	ø ø Clamp, Hose	16	<u>0410-143</u>	AR	Hose, Gasline - 25 ft
6	0470-475	1	ø ø Filter, Fuel	17	0470-702	1	Fitting, Straight
7	0470-521	1	ø ø Seal, Fuel Level Sensor	18	0423-460	2	Grommet, Gas Tank
8	0470-639	1	ø Plate, Mounting - Fuel Level Sensor	19	<u>0470-715</u>	1	Shield, Gas Tank
9	1623-158	4	ø Screw, Plastite	20	0623-797	4	Screw, Self-Tapping
10	0423-688	6	Clamp, Hose	21	0423-732	2	Screw, Gas Tank
11	0410-070	AR	Hose, Gasline - 25 ft				



SHIFT LEVER ASSEMBLY

0742-401

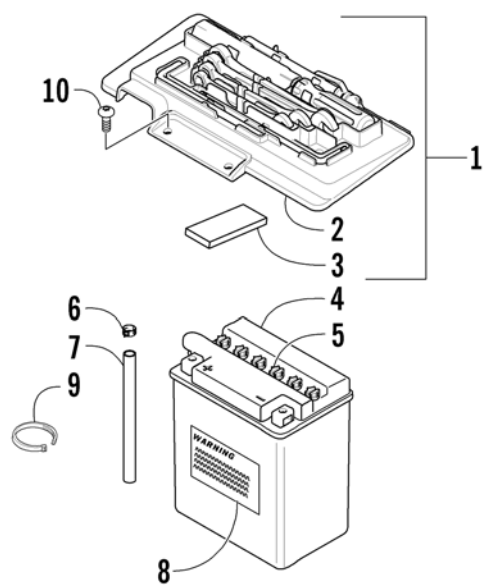
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-843	1	Knob, Shift Lever	12	0423-182	2	O-Ring
2	0423-345	1	Clip, Push	13	0423-087	1	Washer
3	1402-576	1	Plate, Shift	14	8408-812	1	Screw, Cap
4	2406-345	1	Shield, Shift Plate	15	8424-802	1	Nut, Hex
5	0423-357	4	Nut, Stamped	16	0423-091	2	Bushing, Shift Linkage
6	0502-659	1	Lever, Shift	17	1402-621	1	Pin, Mounting - Shift Linkage
7	0402-678	1	Spring, Shift Lever	18	0623-094	2	Washer
8	8424-602	1	Nut	19	0423-169	2	E-Ring
9	0502-742	1	Axle, Shift Lever	20	1502-203	1	Linkage, Shift - Assembly (inc. 21-22)
10	0423-299	2	O-Ring	21	0623-294	1	ø Nut, Hex - Right-Hand Thread
11	0402-675	1	Axle, Pivot	22	0123-917	1	ø Nut, Hex - Left-Hand Thread



AIR INTAKE ASSEMBLY

0742-717

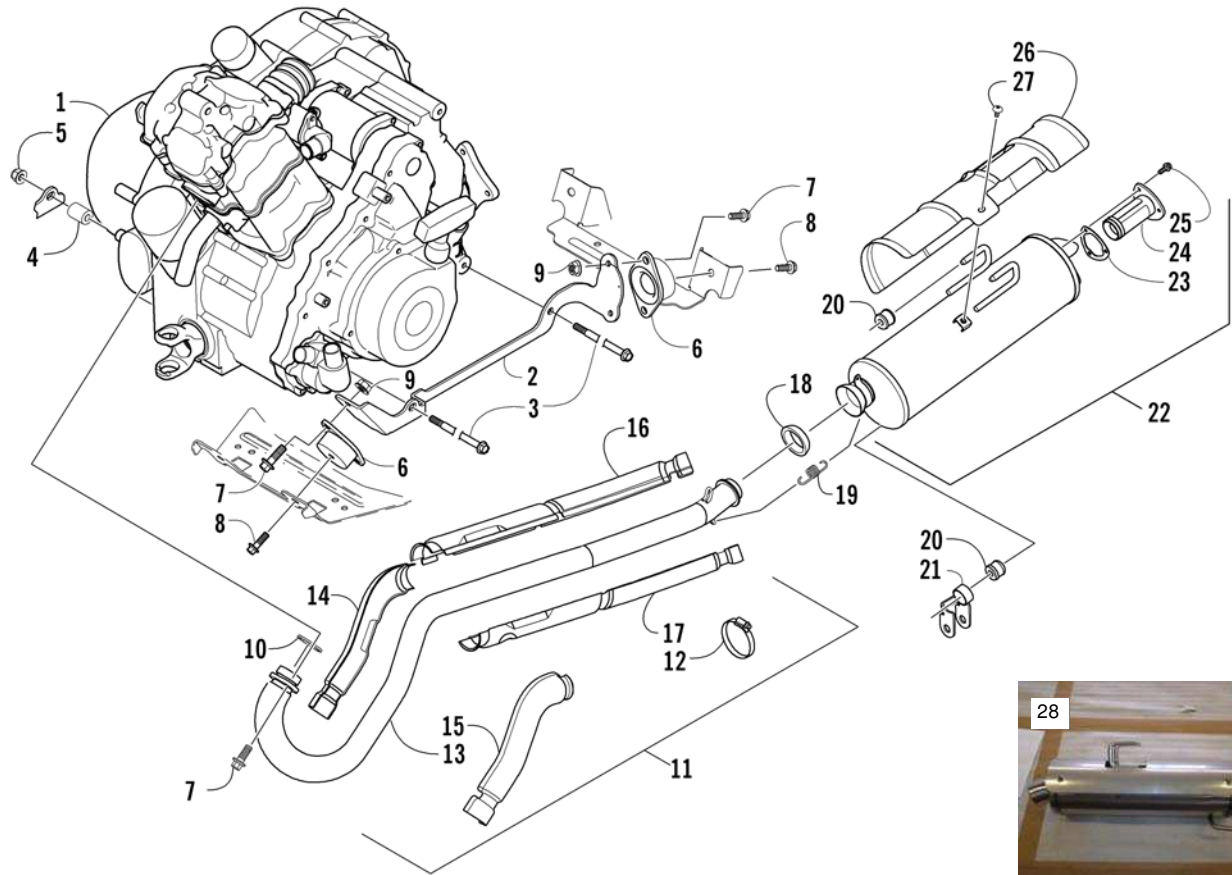
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-091	1	Diverter, Air - Top	12	0470-525	1	Boot, Carburetor
2	0413-093	1	Diverter, Air - Bottom	13	0423-554	1	Clamp, Boot
3	0470-442	2	Valve, Drain	14	0470-516	1	Screen, Air Filter
4	0423-551	2	Clamp, Boot	15	0470-663	1	Filter, Air
5	0470-529	1	Boot, Air Intake	16	<u>0470-755</u>	1	Cover, Air Intake
6	1406-747	1	Shroud, Splash	17	0410-079	1	Hose, Vent - Crankcase
7	0623-362	2	Rivet, Reinstallable	18	1623-281	2	Clamp, Hose
8	0423-342	6	Screw, Self-Tapping	19	0423-019	1	Clamp, Boot
9	0423-454	2	Clip, Mounting - Air Intake	20	<u>0470-739</u>	1	Carburetor, CVK36-AE
10	0470-515	1	Housing, Air Intake	21	0510-592	1	Hose, Carburetor Drain
11	0423-455	4	Clip, Spring				



BATTERY ASSEMBLY

0742-698 *Not Illustrated

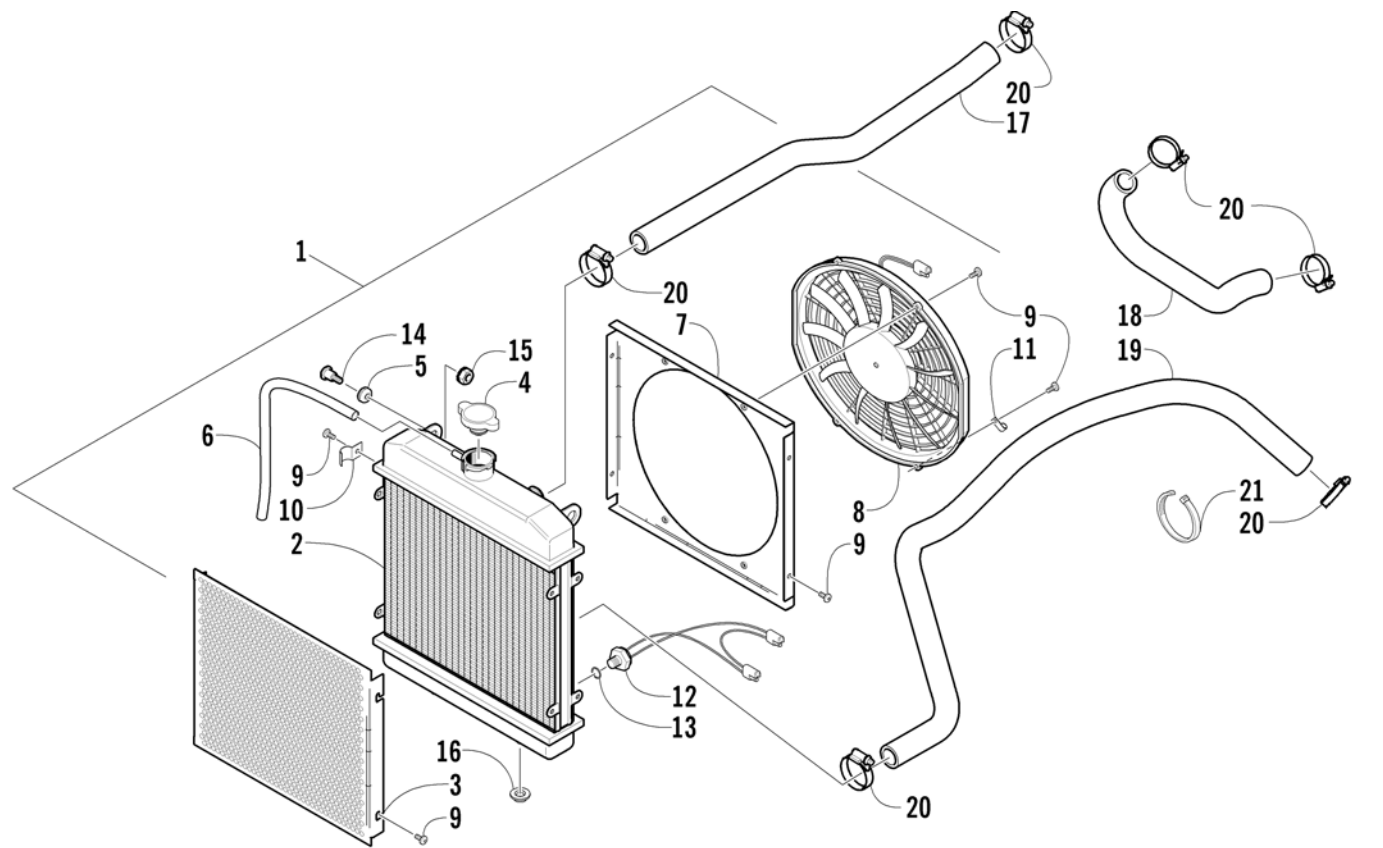
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5990-839	1	Battery Cover/Tool Tray Assembly (inc. 2-3)	5	0645-045	6	ø Cap, Battery
2	2406-511	1	ø Cover, Battery	6	0645-152	1	ø Clamp, Hose
3	0406-288	2	ø Pad, Battery	7	0645-263	1	ø Hose, Battery Vent
*	0444-122	1	ø Kit, Tool	8	0645-151	1	ø Label, Warning - Battery
4	AC003-005	1	Battery 400-650	9	0123-903	AR	Cable Tie - 11.5 in.
				10	8476-620	2	Screw, Machine



ENGINE AND EXHAUST

0742-570

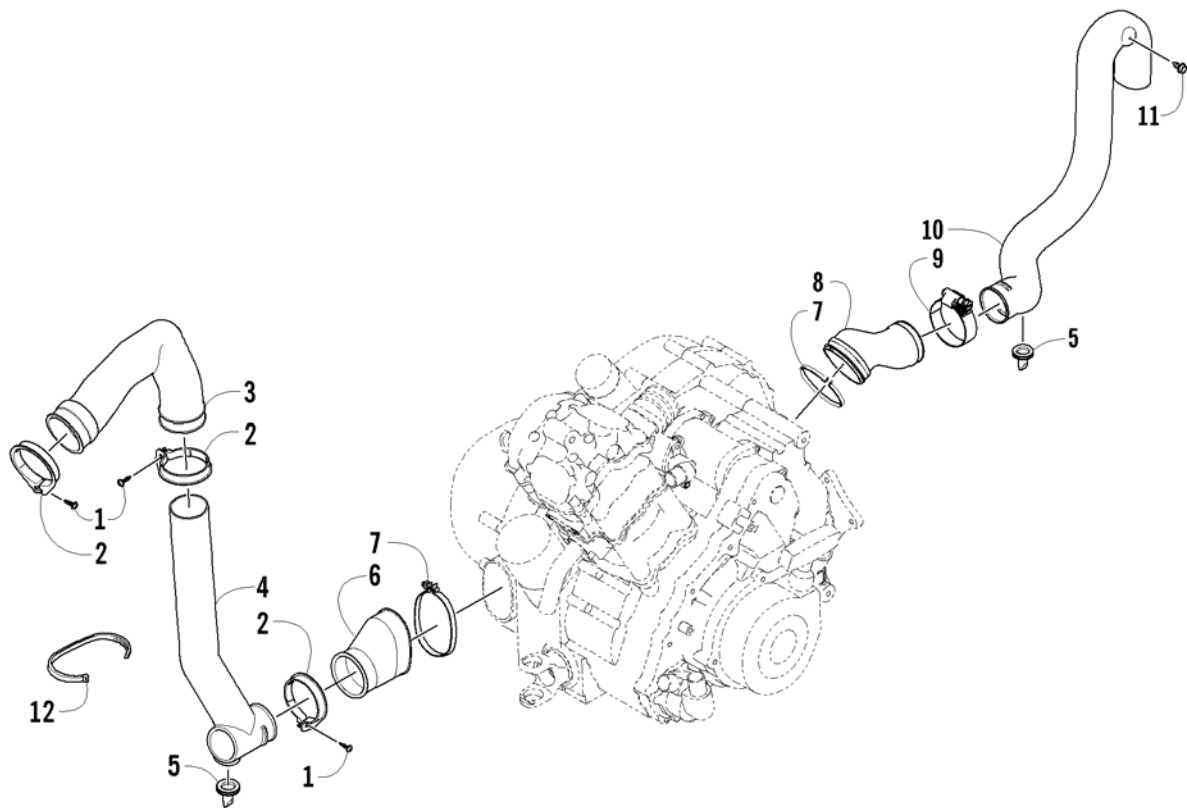
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0462-029	1	Engine	15	0412-349	1	ø Shield, Exhaust Pipe - Front - Lower
2	1506-740	1	Bracket, Engine Mounting - Right	16	0412-354	1	ø Shield, Exhaust Pipe
	1506-741	1	Bracket, Engine Mounting - Left	17	0412-355	1	ø Shield, Exhaust Pipe
3	0423-405	2	Screw, Cap	18	0412-375	1	Seal, Exhaust Pipe
4	0423-042	2	Spacer	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	0512-306	4	Muffler Assembly (inc. 23-25)
8	8408-012	4	Screw, Cap	23	0412-313	4	ø Gasket, Spark Arrestor
9	8432-802	8	Nut	24	0512-219	4	ø Arrestor, Spark Assembly
10	0412-007	1	Gasket, Exhaust Pipe	25	8408-616	3	ø Screw, Cap
11	0512-276	1	Pipe, Exhaust - Assembly (inc. 12-17)	26	0412-373	4	Cover, Muffler
12	0423-317	4	ø Hose Clamp	27	8477-610	3	Screw, Machine
13	0512-278	1	ø Pipe, Exhaust	28	AC004-707	1	Exhaust Model 2006 400,500,650
14	0412-348	1	ø Shield, Exhaust Pipe - Front - Upper				



COOLING ASSEMBLY

0742-580

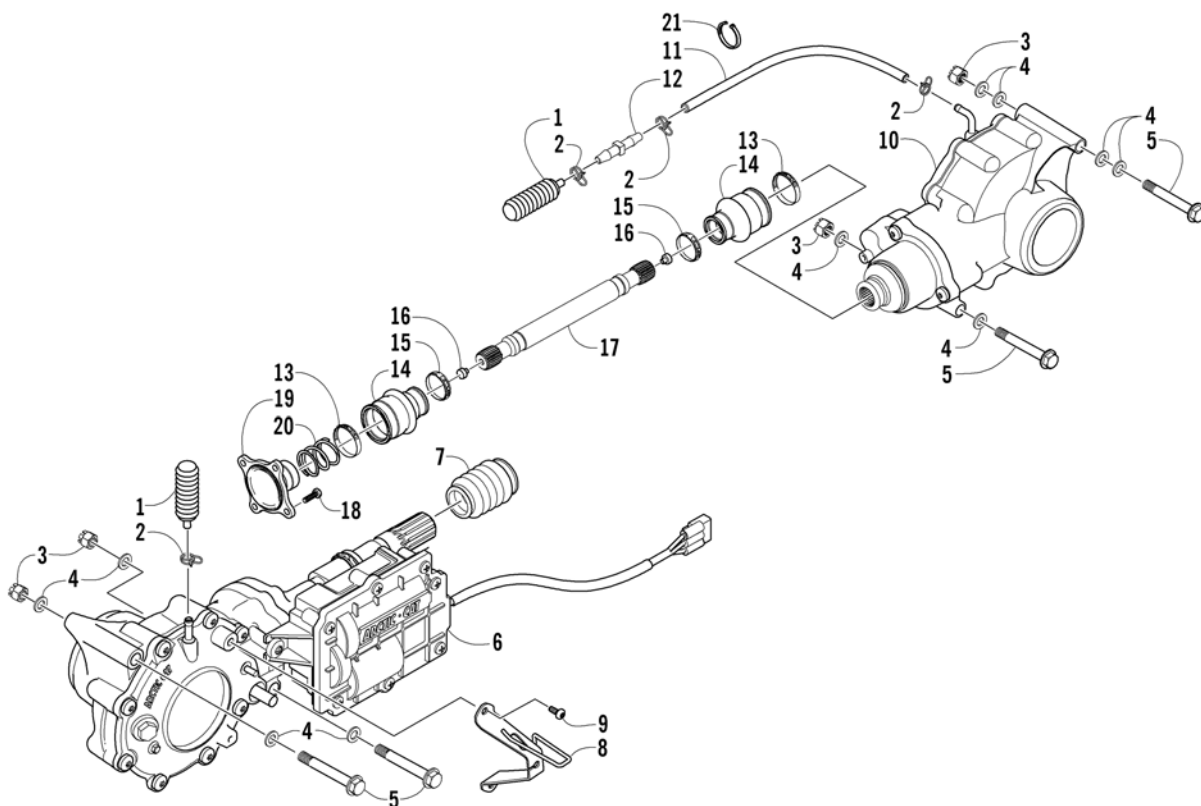
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-172	1	Radiator Assembly (inc. 2-13)	12	0413-168	1	ø Switch, Sensor - Temperature
2	0413-184	1	ø Radiator	13	1602-213	1	ø O-Ring
3	0413-007	1	ø Screen, Radiator	14	0423-484	2	Screw, Shoulder
4	0413-002	1	ø Cap, Radiator	15	0623-038	2	Nut w/Washer
5	0423-030	2	ø Grommet	16	0423-028	2	Bushing, Stem
6	0610-016	AR	ø Hose - 25 ft	17	0410-002	1	Hose, Coolant - Upper
7	0413-046	1	ø Shroud, Fan	18	0410-022	1	Hose, Coolant - Crossover
8	0413-123	1	ø Fan, Cooling	19	0410-041	1	Hose, Coolant - Lower
9	8475-512	12	ø Screw, Machine	20	0423-496	6	Clamp, Hose
10	0423-351	1	ø Clamp, Wire	21	0623-751	AR	Cable Tie
11	0123-397	1	ø Clamp, Cable				



CASE/BELT COOLING ASSEMBLY

0742-581

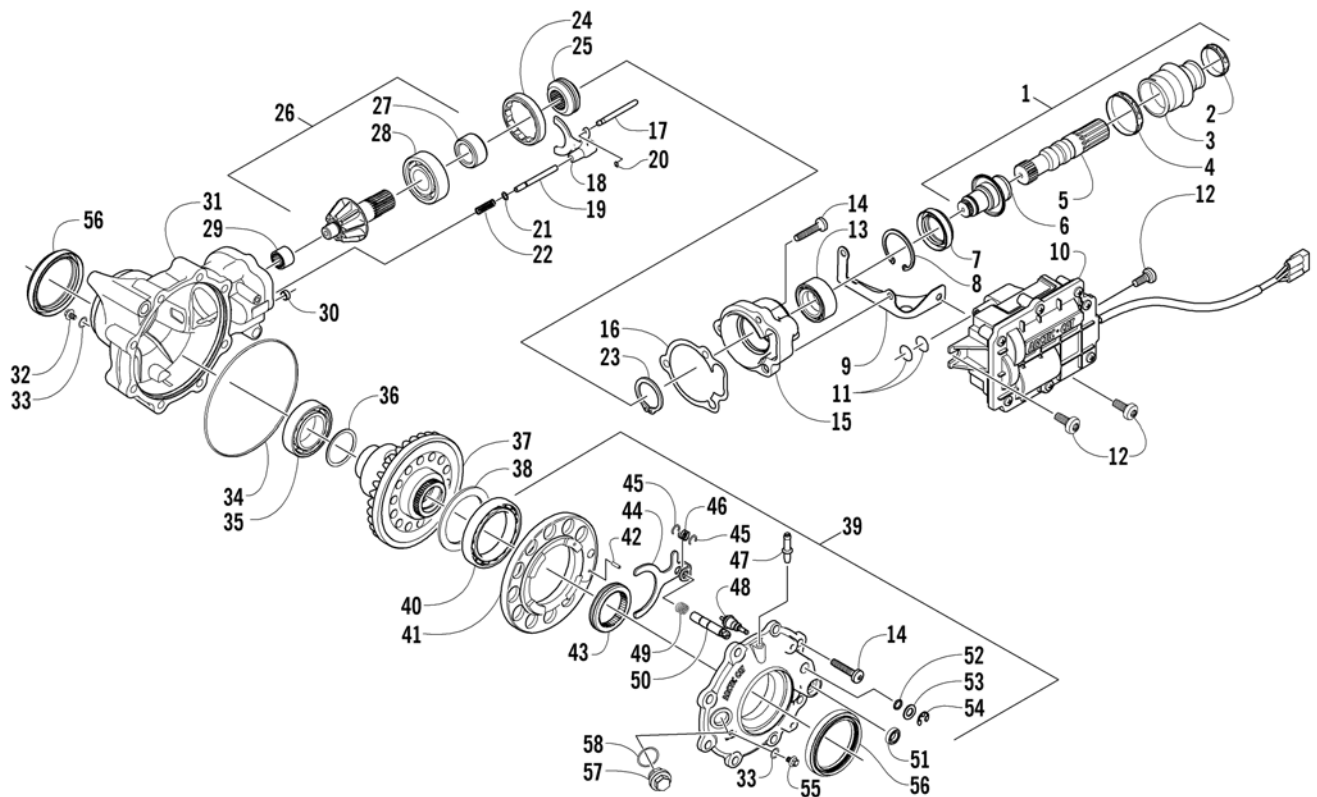
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-342	3	Screw, Self-Tapping	8	0413-055	1	Boot, Duct - Rear
2	0423-551	3	Clamp, Boot	9	0423-380	1	Clamp, Duct
3	0413-092	1	Boot, Air-In	10	0413-106	1	Duct, Belt Cooling - Rear
4	0513-010	1	Duct, Belt Cooling - Front	11	0623-301	1	Screw, Self-Tapping
5	0470-442	2	Valve, Drain	12	0123-903	AR	Cable Tie - 11.5 in.
6	0413-049	1	Boot, Duct - Front		0123-788	AR	Cable Tie - 8.5 in.
7	3402-449	2	Clamp, Boot				



DRIVE TRAIN ASSEMBLY

0742-342

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0402-147	2	Bladder, Gearcase	12	0470-462	1	Fitting, Vent
2	0423-315	3	Clamp, Fitting	13	0423-393	2	Clamp, Boot
3	8428-002	4	Nut, Lock	14	0402-985	2	Boot
4	0423-426	10	Washer	15	0423-411	2	Clamp, Boot
5	0423-404	4	Screw, Cap	16	0673-618	2	Bumper, Propeller Shaft
6	<u>1502-248</u>	1	Gearcase, Front	17	1402-092	1	Shaft, Propeller
7	0402-966	1	Boot, Shaft	18	8408-820	4	Screw, Cap
8	0502-500	1	Plate, Cable	19	0402-950	1	Flange, Output
9	0423-396	2	Screw, Self-Tapping	20	1402-026	1	Spring
10	1502-079	1	Gearcase, Rear	21	0123-788	1	Cable Tie
11	0410-048	AR	Hose, Vent				

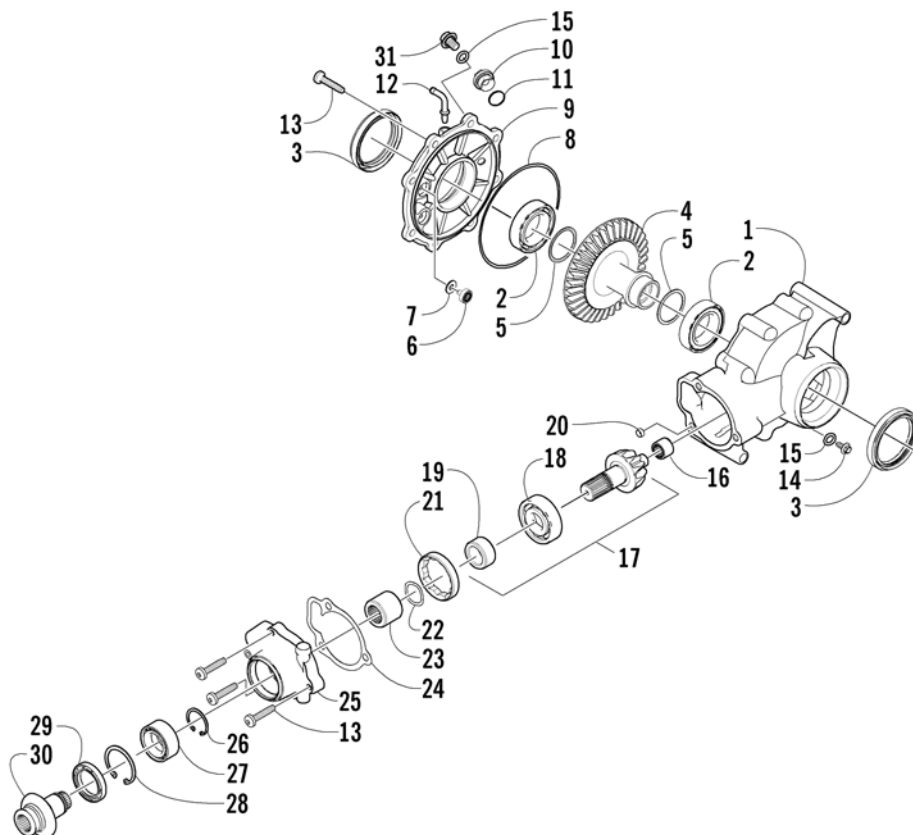


FRONT DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-248)

0742-344

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1502-083	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	1502-085	1	ø Shaft, Input		0402-409	AR	Shim
7	1402-011	1	Seal	37	1502-234	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				

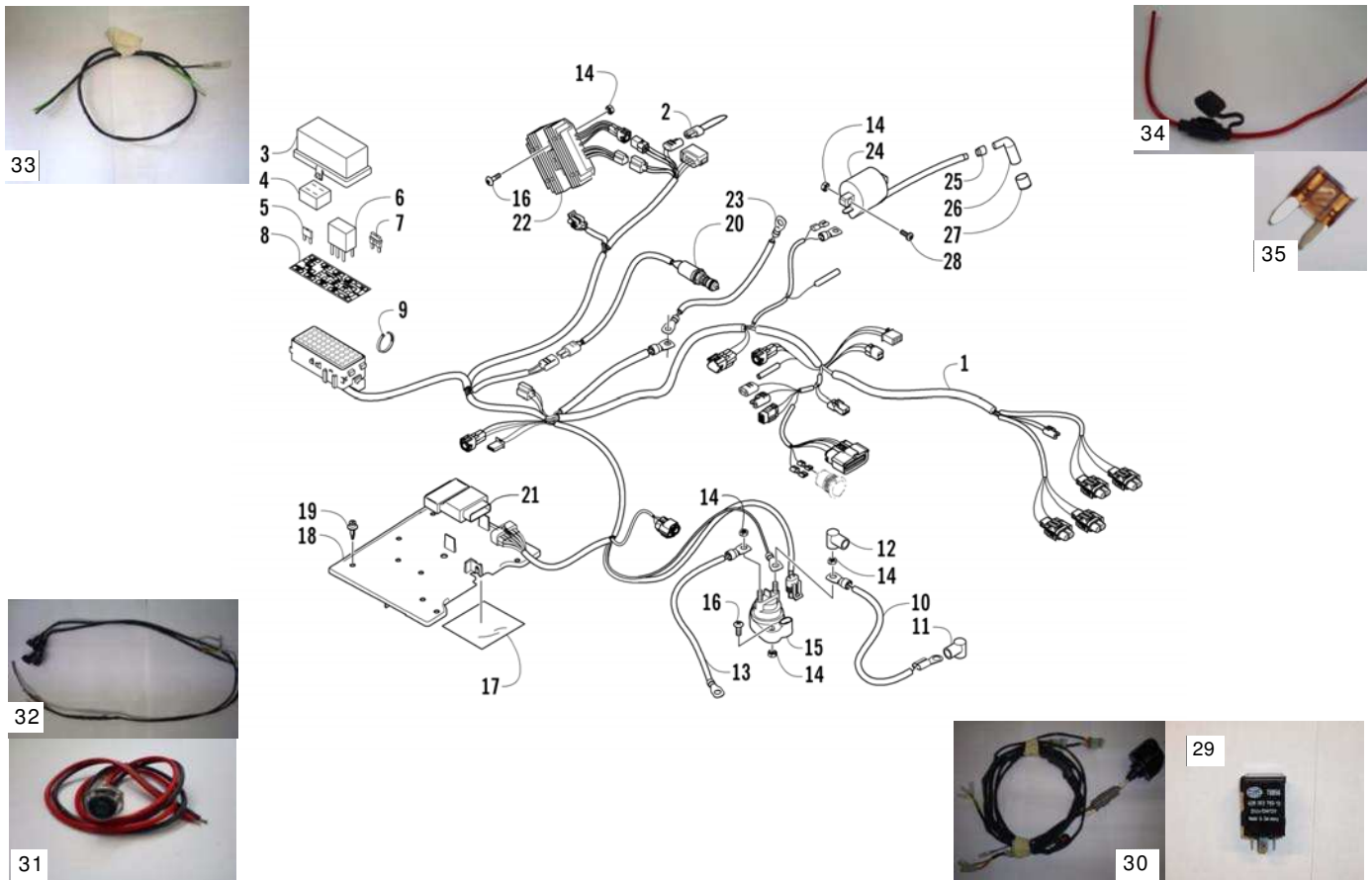


REAR DRIVE GEARCASE ASSEMBLY

(Complete Assembly p/n 1502-079)

0741-524

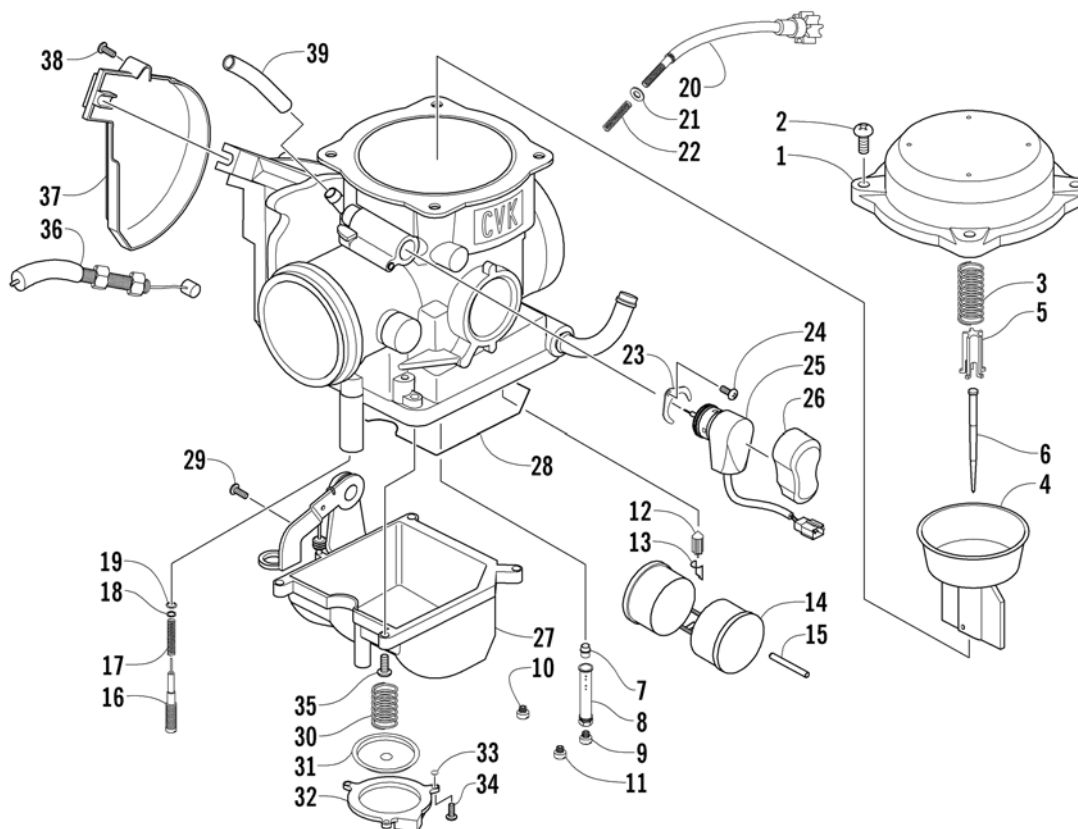
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-622	1	Housing, Gearcase	13	0423-118	11	Screw, Self-Tapping
2	0402-393	2	Bearing	14	0402-450	1	Plug, Magnetic (inc. one No. 15)
3	1402-441	2	Seal	15	0423-153	2	ø O-Ring
4	1402-032	1	Gear, Ring - 36T	16	0402-328	1	Bearing
5	0402-405	AR	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	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	ø O-Ring	31	1402-211	1	Plug, Oil Level (inc. one No. 15)
12	1402-102	1	Fitting				



WIRING HARNESS ASSEMBLY

0742-583

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0486-267	1	Harness, Main ECE (inc. 2-8)	18	1406-600	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	0409-089	1	Switch, Brake - Assembly
4	0430-037	1	ø Holder, Fuse	21	3530-039	1	CDI Unit
5	0430-034	3	ø Diode	22	3402-682	1	Regulator, Voltage
6	0430-033	3	ø Relay	23	0445-054	1	Cable, Battery/Ground
7	0430-032	4	ø Fuse - 10 Amp	24	3530-027	1	Coil, Ignition - Assembly
	0430-031	3	ø Fuse - 15 Amp	25	3430-009	1	Seal, High Tension Wire
	0430-030	2	ø Fuse - 30 Amp	26	3430-007	1	Cap, Spark Plug
8	0411-828	1	ø Decal, Fuse Block	27	3430-008	1	Seal, Spark Plug
9	0123-788	AR	Cable Tie - 7.5 in.	28	8476-620	2	Screw, Machine
10	0445-053	1	Cable, Solenoid/Starter (inc. 11)	29	0430-049	1	Flasher, Turn Signal
11	0645-019	1	ø Boot, Terminal	30	AC003-100	1	Wiring Towing Device 2006
12	0645-327	1	Boot, Terminal	31	AC003-015	1	Control Light Green
13	0445-055	1	Cable, Battery/Solenoid	32	AC003-049	1	Harness, Rear
14	0623-038	8	Nut w/Washer	33	AC003-051	1	Harness, Fog Light
15	0445-058	1	Solenoid	34	AC003-048	2	Fuse Carrier "MINI"
16	8476-625	4	Screw, Machine	35	AC003-060	2	Fuse 7,5 A
17	0412-291	1	Shield, Heat				

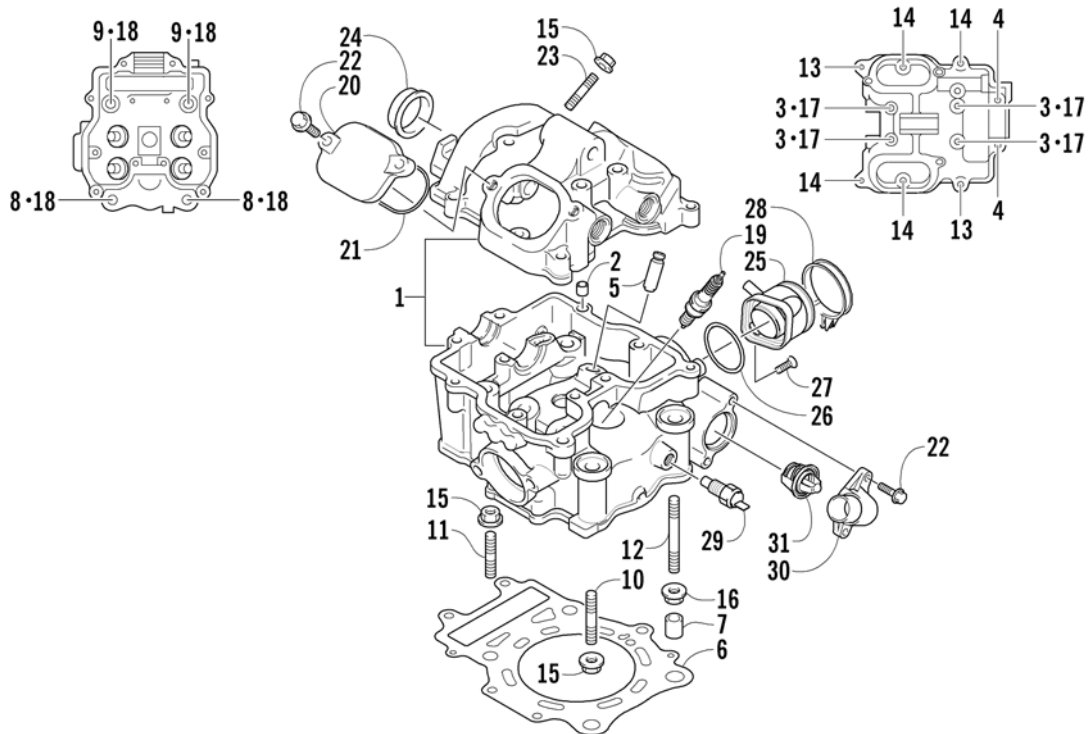


CARBURETOR

CVK36-AE (Complete Assembly p/n 0470-739)

0740-600 *Not a Service Part **Optional

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-001	1	Cover, Top	18	*	1	Ø Washer
2	5507-002	4	Screw, Top Cover	19	*	1	Ø O-Ring
3	5507-066	1	Spring	20	5507-027	1	Screw, Idle Adjust
4	5507-099	1	Piston, Vacuum	21	5507-028	1	Washer
5	5507-005	1	Seat, Spring	22	5507-029	1	Spring
6	5507-184	1	Jet Needle	23	5507-115	1	Plate
7	5507-007	1	Needle Jet	24	5507-117	1	Screw
8	5507-047	1	Holder, Needle Jet	25	5507-113	1	Choke, Electric
9	5507-076	1	Main Jet - 138	26	5507-114	1	Cover, Electric Choke
	5507-075	1	Main Jet - 132**	27	<u>5507-214</u>	1	Chamber, Float - Assembly (inc. 28-34)
	5507-074	1	Main Jet - 130**	28	5507-067	1	Ø O-Ring, Float Chamber
	5507-043	1	Main Jet - 142**	29	5507-050	1	Ø Screw, Drain
	5507-044	1	Main Jet - 140**	30	<u>5507-211</u>	1	Ø Spring
	5507-057	1	Main Jet - 135**	31	<u>5507-197</u>	1	Ø Diaphragm Assembly
10	5507-070	1	Slow Jet - 40	32	5507-198	1	Ø Housing, Pump
11	5507-112	1	Starter Jet - 85	33	5507-034	1	Ø U-Ring
12	5507-183	1	Valve, Float - Set (inc. 13)	34	5507-035	3	Ø Screw
13	*	1	Ø Clip	35	5507-017	4	Screw
14	5507-039	1	Float Set (inc. 15)	36	0487-049	1	Cable, Throttle
15	*	1	Ø Pin, Float	37	5507-036	1	Cover
16	<u>5507-213</u>	1	Screw, Pilot - Set (inc. 17-19)	38	5507-037	1	Screw
17	*	1	Ø Spring	39	0410-056	1	Hose, Vent

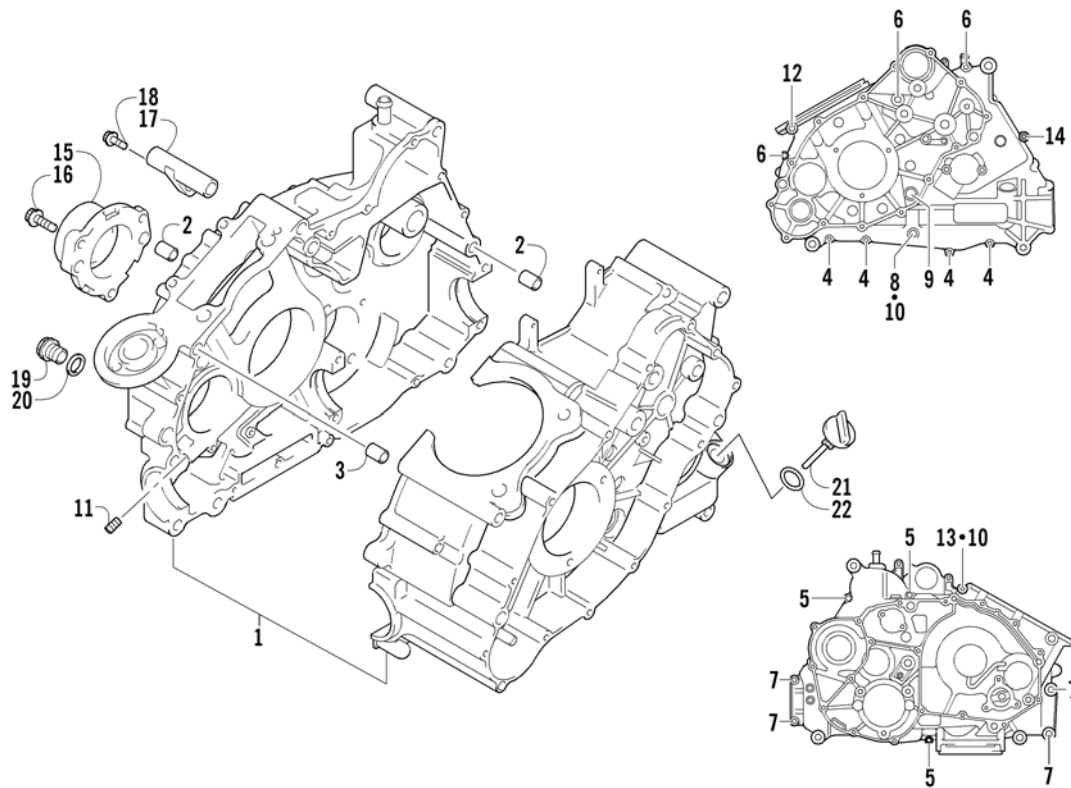


CYLINDER HEAD ASSEMBLY

0741-321 *Not Illustrated

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-098	1	Head, Cylinder - Assembly (inc. 2-5)	17	3003-290	4	Gasket
2	3423-043	2	ø Pin, Dowel	18	3402-010	4	Gasket
3	3423-006	4	ø Screw, Cap	19	0217-632	1	Spark Plug (NGK CR6E)
4	3008-376	2	ø Screw, Cap	20	3402-100	2	Cap, Inspection
5	3402-099	4	ø Guide, Valve	21	3402-101	2	O-Ring
6	3402-362	1	Gasket, Cylinder Head	22	3004-341	5	Screw, Cap
7	3423-088	2	Pin, Dowel	23	3423-383	1	Bolt, Stud
8	3423-015	2	Screw, Cap	24	3402-035	1	Plug, Cylinder Head
9	3423-016	2	Screw, Cap	25	3402-706	1	Manifold, Intake
10	3423-089	2	Bolt, Stud	26	0470-531	1	O-Ring
11	<u>3423-864</u>	2	Bolt, Stud	27	3423-347	2	Screw, Machine
12	<u>3423-862</u>	1	Bolt, Stud	28	3423-507	1	Clamp
13	3423-007	2	Screw, Cap	29	3530-045	1	Switch, Water Temperature - Assembly
14	<u>3007-380</u>	4	Screw, Cap	30	3413-004	1	Cover, Thermostat
15	<u>3007-373</u>	5	Nut	31	3413-012	1	Thermostat
16	<u>3007-390</u>	1	Nut	*	3402-048	1	Plug, Frost

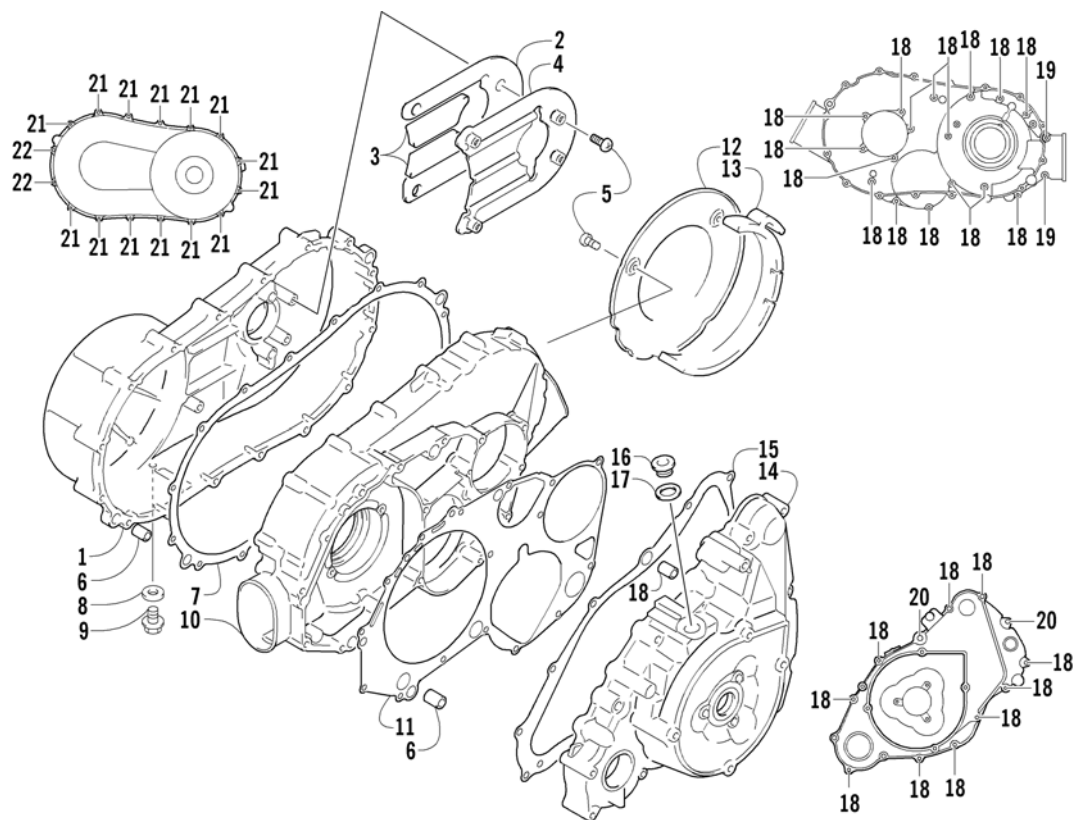
28



CRANKCASE ASSEMBLY

0737-757

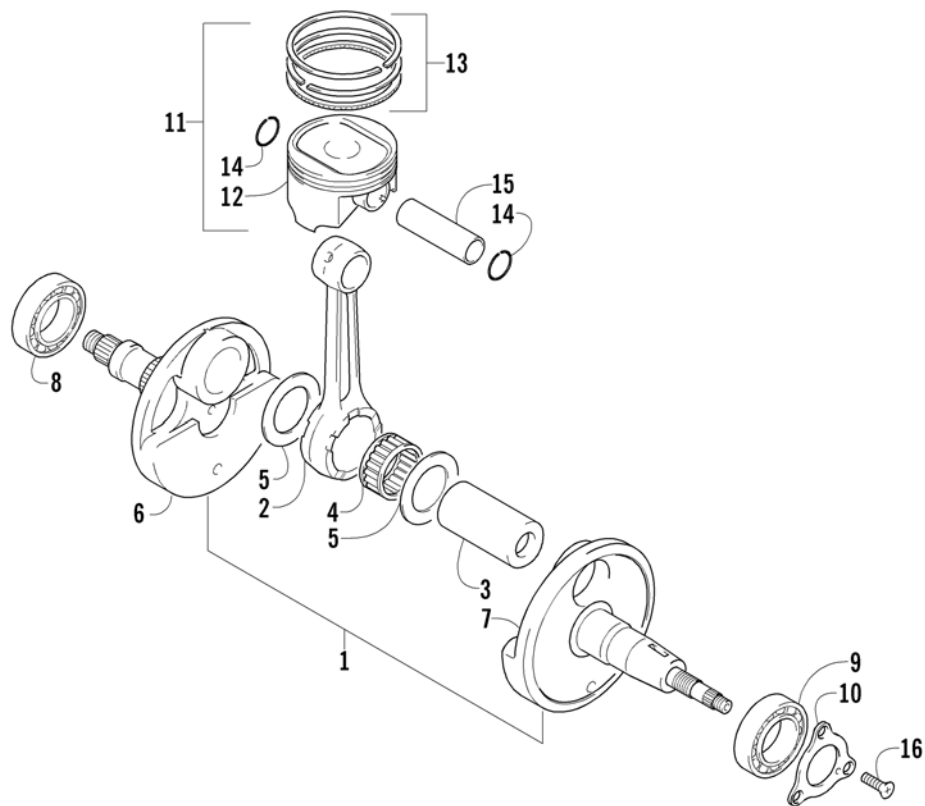
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-708	1	Crankcase Assembly (inc. two No. 2 and 3-14)	12	3423-387	1	Ø Bolt
2	3423-088	4	Ø Pin, Dowel	13	3423-388	1	Ø Bolt
3	3004-822	1	Ø Pin, Dowel	14	3423-508	1	Ø Bolt
4	3423-091	4	Ø Bolt	15	3402-439	1	Housing, Secondary Shaft Bearing
5	3007-370	3	Ø Bolt	16	3423-506	3	Bolt
6	3423-092	3	Ø Bolt	17	3402-437	1	Pipe, Breather
7	3004-880	4	Ø Bolt	18	3423-389	1	Bolt, Breather Pipe
8	3005-332	1	Ø Bolt	19	3402-214	1	Plug, Oil Pressure
9	3423-385	1	Ø Bolt	20	3402-012	1	Gasket, Oil Pressure Plug
10	3402-436	2	Ø Gasket	21	3402-438	1	Stick, Oil Level
11	3423-386	1	Ø Plug	22	3423-055	1	O-Ring, Oil Level Stick



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0737-759

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-710	1	Cover, V-Belt	12	3402-445	1	Plate, Air Intake
2	3402-711	1	Damper, V-Belt Cover	13	3402-699	1	Cushion, Air Intake Plate
3	3402-712	2	Damper, V-Belt Cover	14	3402-714	1	Cover, Magneto
4	3402-713	1	Plate, V-Belt Cover	15	3402-715	1	Gasket, Magneto Cover
5	3423-370	7	Screw	16	3402-041	1	Plug, Oil Filler
6	3423-088	6	Pin, Dowel	17	3402-013	1	Gasket, Oil Filler Plug
7	3402-443	1	Gasket, V-Belt Cover	18	3423-098	26	Bolt
8	3402-444	1	Gasket, Drain Plug	19	3423-092	2	Bolt
9	3007-407	1	Plug, Drain	20	3007-369	2	Bolt
10	3402-709	1	Cover, Clutch	21	3423-091	14	Bolt
11	3402-441	1	Gasket, Clutch Cover	22	3423-119	2	Bolt

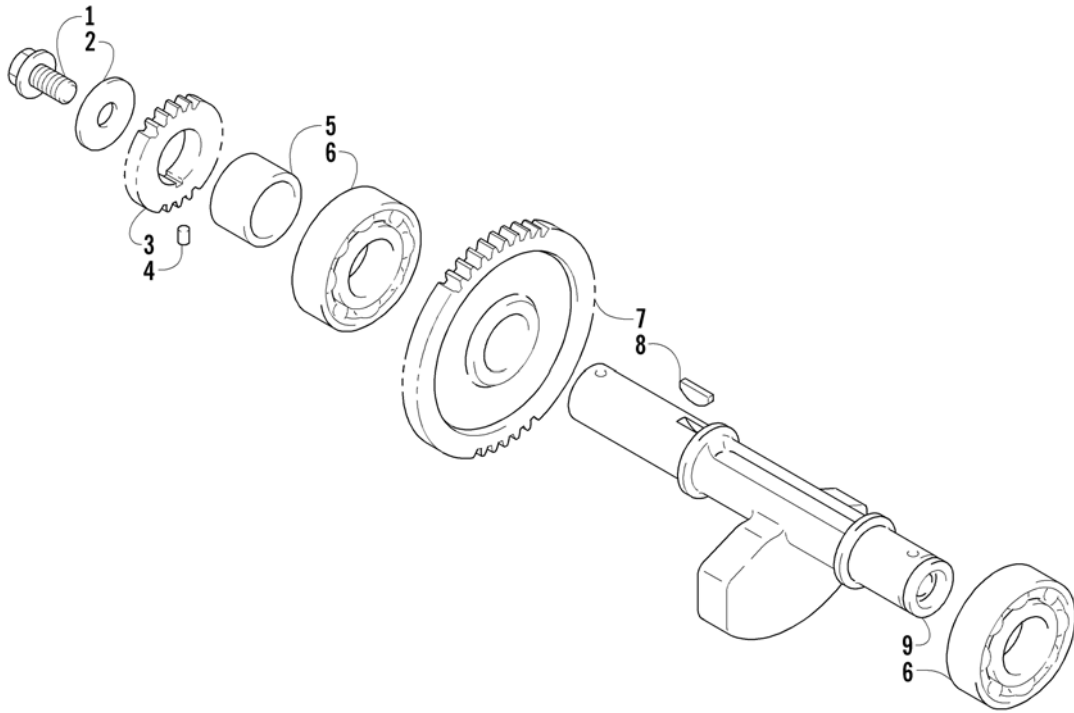


CRANKSHAFT ASSEMBLY

0737-077

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3403-018	1	Crankshaft Assembly (inc. 2-7)	9	3402-054	1	Bearing - Left
2	3402-376	1	ø Rod, Connecting	10	3402-188	1	Retainer, Oil Seal - Left
3	3402-377	1	ø Pin, Crank	11	3402-788	1	Piston Set (inc. 12-14)
4	3402-717	1	ø Bearing	12	3402-719	1	ø Piston
5	3423-351	2	ø Washer	13	3402-720	1	ø Ring, Piston - Set
6	3403-025	1	ø Crankshaft - Right	14	3423-344	2	ø Circlip, Piston Pin
7	3402-705	1	ø Crankshaft - Left	15	3402-375	1	Pin, Piston
8	3402-058	1	Bearing - Right	16	3423-018	3	Screw

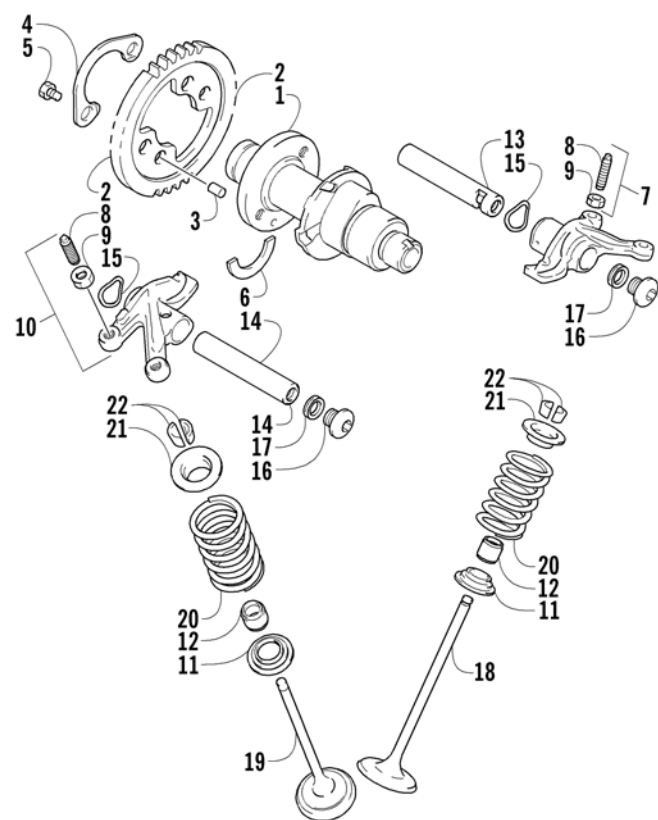
32



CRANK BALANCER ASSEMBLY

0737-762

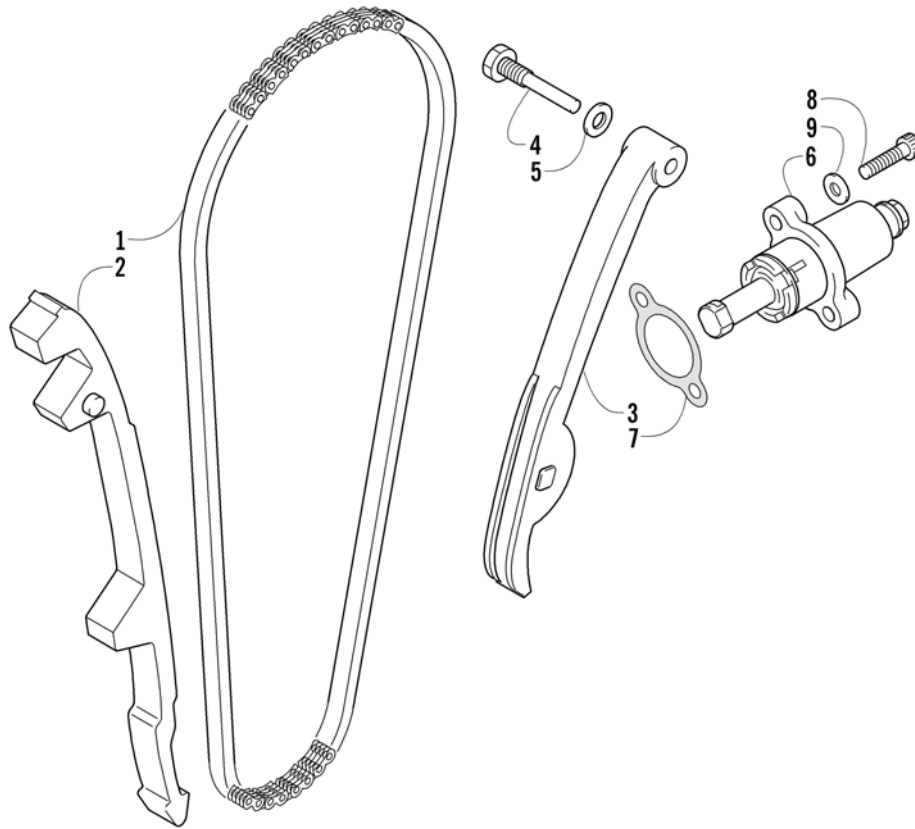
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3423-555	1	Bolt	6	3402-050	2	Bearing
2	3423-401	1	Washer	7	3402-814	1	Gear, Driven
3	3402-390	1	Gear, Oil Pump Drive	8	3004-540	1	Key
4	3423-110	1	Pin	9	3402-458	1	Balancer, Crank
5	3402-461	1	Spacer				



CAMSHAFT/VALVE ASSEMBLY

0737-800

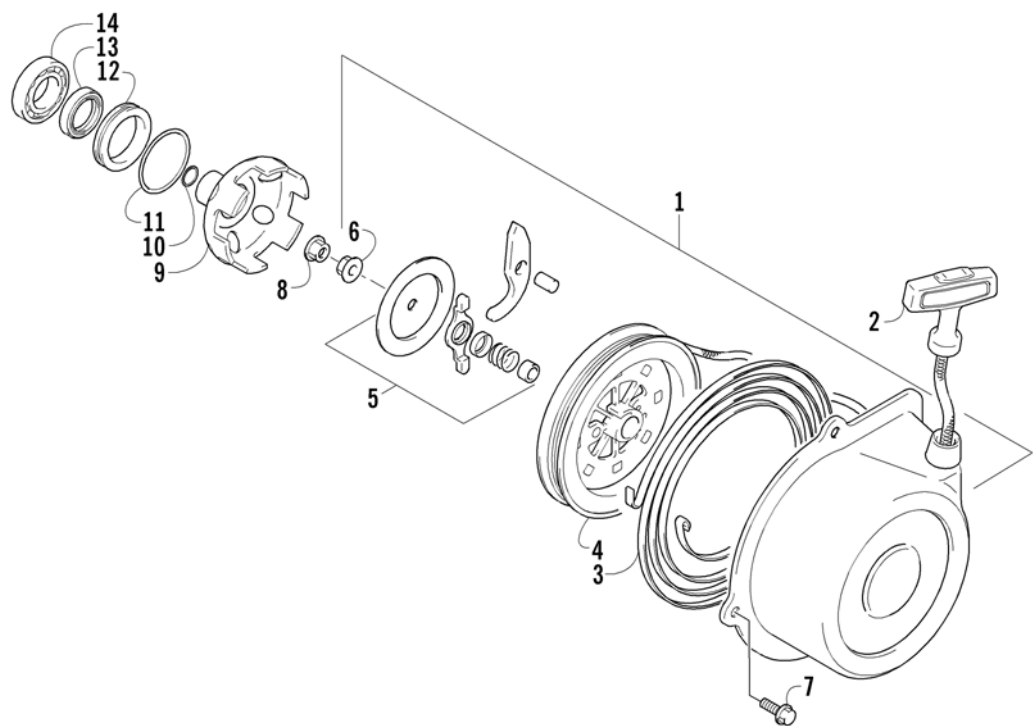
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-982	1	Camshaft	11	3402-148	4	Seat, Spring
2	3402-352	1	Sprocket	12	3402-078	4	Seal, Oil
3	3423-047	1	Pin	13	3402-140	1	Shaft, Rocker Arm
4	3423-073	1	Washer	14	3402-141	1	Shaft, Rocker Arm
5	3423-013	2	Bolt	15	3423-031	2	Washer
6	3423-071	1	C-Ring	16	3402-040	2	Plug, Shaft
7	3402-805	1	Arm, Valve Rocker - Intake (inc. two No. 8-9)	17	3402-012	2	Gasket
8	3423-075	4	ø Screw	18	3402-725	2	Valve, Intake
9	3423-076	4	ø Nut	19	3402-143	2	Valve, Exhaust
10	3402-139	1	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)	20	3402-726	4	Spring, Valve
				21	3423-541	4	Retainer, Spring
				22	3402-147	8	Cotter, Valve



CAM CHAIN ASSEMBLY

0732-308

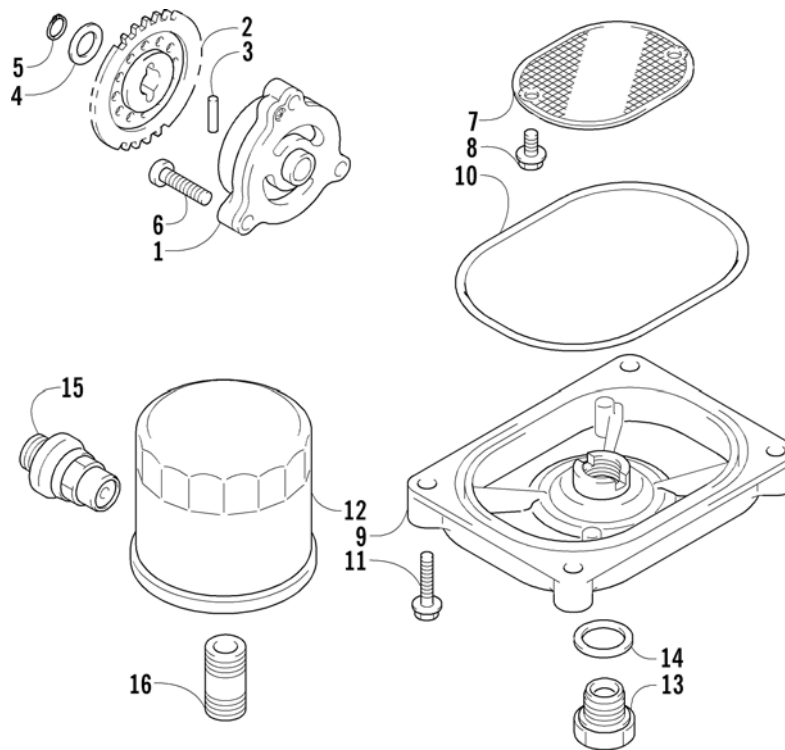
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-353	1	Chain, Cam	6	3402-136	1	Adjuster, Tensioner - Assembly
2	3402-355	1	Guide, Chain	7	3402-137	1	Gasket
3	3402-356	1	Tensioner, Chain	8	<u>3007-509</u>	2	Screw, Cap
4	3423-074	1	Bolt	9	3003-290	2	Gasket
5	3003-188	1	Washer				



RECOIL STARTER ASSEMBLY

0737-764

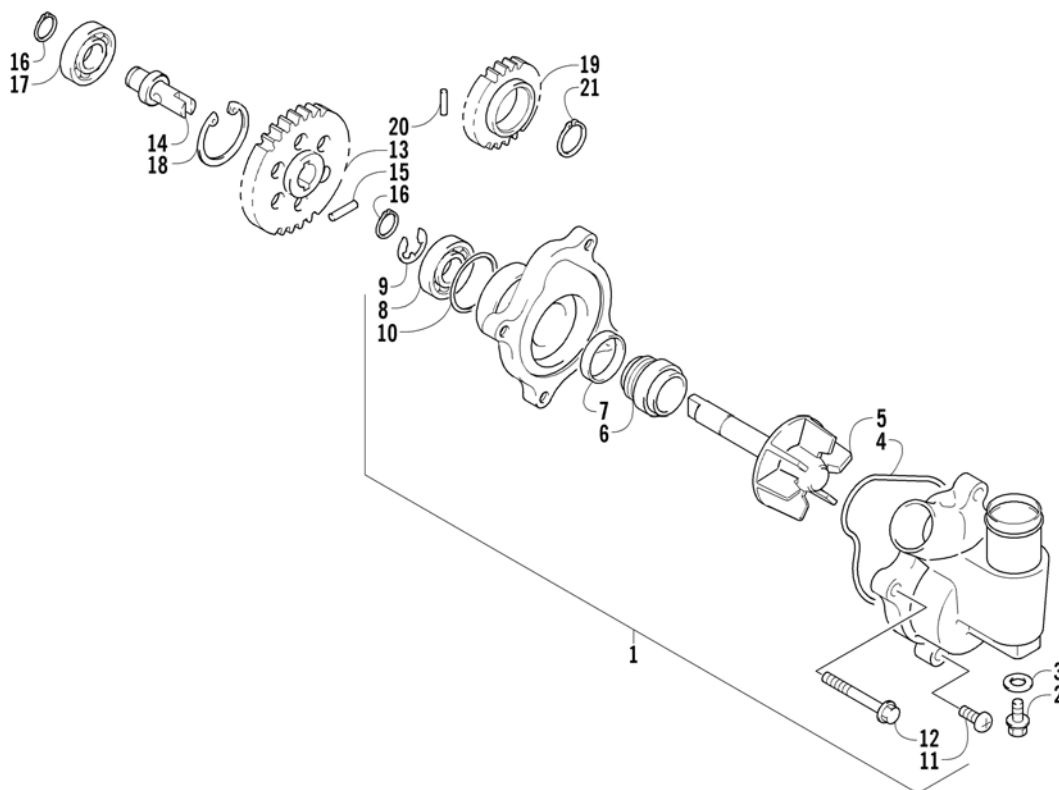
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3445-003	1	Starter, Recoil - Assembly (inc. 2-6)	8	<u>3007-391</u>	1	Nut
2	3445-011	1	ø Rope Assembly	9	3445-029	1	Cup, Starter
3	3445-007	1	ø Spring, Spiral	10	3423-053	1	O-Ring
4	3445-004	1	ø Reel	11	3423-063	1	O-Ring
5	3445-016	1	ø Ratchet Assembly	12	3423-542	1	Spacer
6	<u>3007-373</u>	1	ø Nut	13	3402-070	1	Seal, Oil
7	3423-428	4	Screw, Cap	14	3402-051	1	Bearing



OIL FILTER/PUMP ASSEMBLY

0737-765

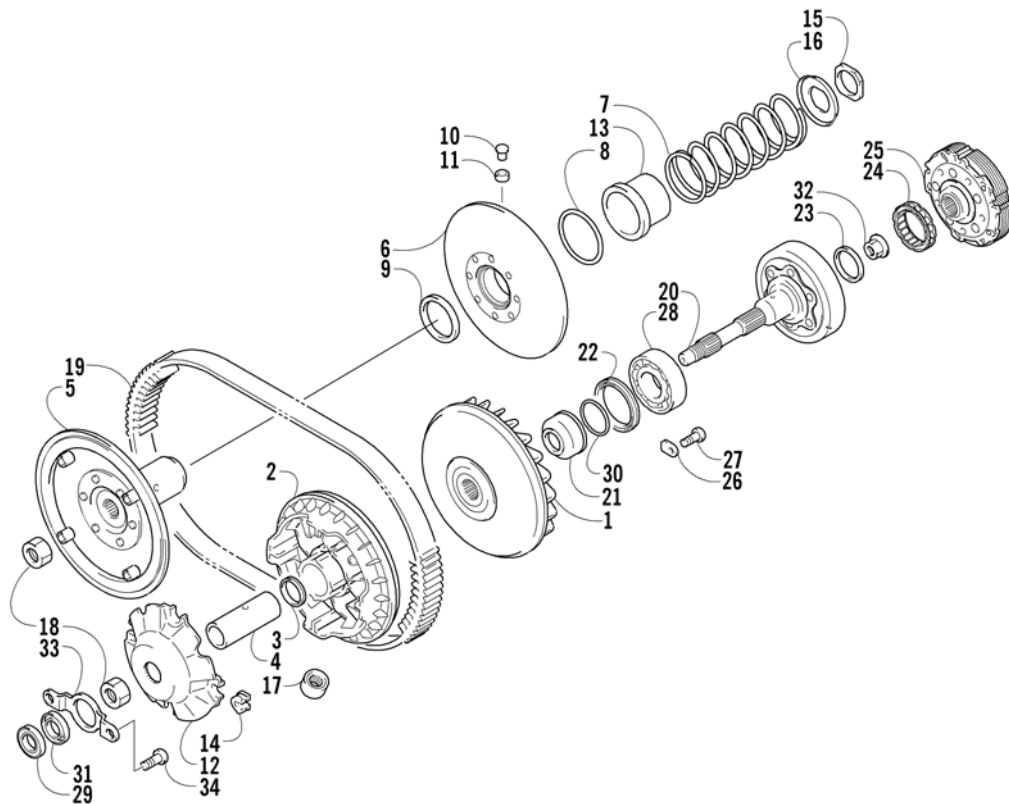
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-727	1	Pump, Oil	9	3402-157	1	Cap, Oil Strainer
2	3402-463	1	Gear, Driven	10	3423-077	1	O-Ring
3	3423-046	1	Pin	11	<u>3007-369</u>	4	Screw, Cap
4	3423-443	1	Washer	12	0812-029	1	Filter, Oil
5	3423-184	1	Circlip	13	3402-728	1	Plug, Drain
6	3423-510	3	Screw, Cap	14	3402-012	1	Gasket, Drain Plug
7	3402-156	1	Strainer, Oil	15	3402-154	1	Valve, Oil-Relief - Assembly
8	0693-389	2	Screw, Cap	16	<u>3403-219</u>	1	Union, Oil Filter



WATER PUMP ASSEMBLY

0737-766

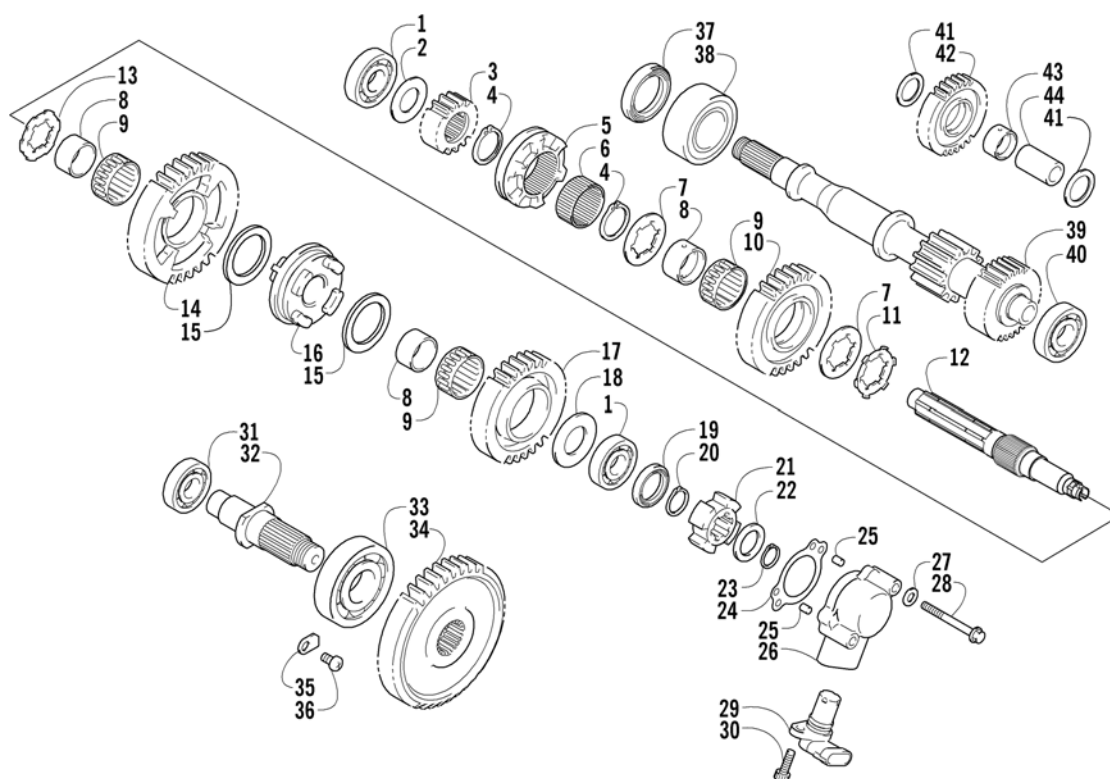
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-464	1	Pump, Water - Assembly (inc. 2-11)	12	3423-308	2	Screw, Cap
2	3423-343	1	Ø Screw, Cap	13	3402-026	1	Gear, Driven
3	3402-436	1	Ø Gasket	14	3402-466	1	Shaft, Driven Gear
4	3423-402	1	Ø O-Ring	15	3423-046	1	Pin, Driven Gear
5	3413-014	1	Ø Impeller/Shaft	16	3423-184	2	Circlip, Driven Gear
6	3005-909	1	Ø Seal, Mechanical	17	3402-467	1	Bearing, Shaft
7	3402-465	1	Ø Seal, Oil	18	3423-405	1	Circlip, Shaft Bearing
8	3003-615	1	Ø Bearing	19	3402-390	1	Gear, Water Pump Drive
9	3423-403	1	Ø E-Ring	20	3423-110	1	Pin, Drive Gear
10	3423-404	1	Ø O-Ring	21	3423-189	1	Circlip, Drive Gear
11	3007-511	2	Ø Screw				



TRANSMISSION ASSEMBLY

0737-771

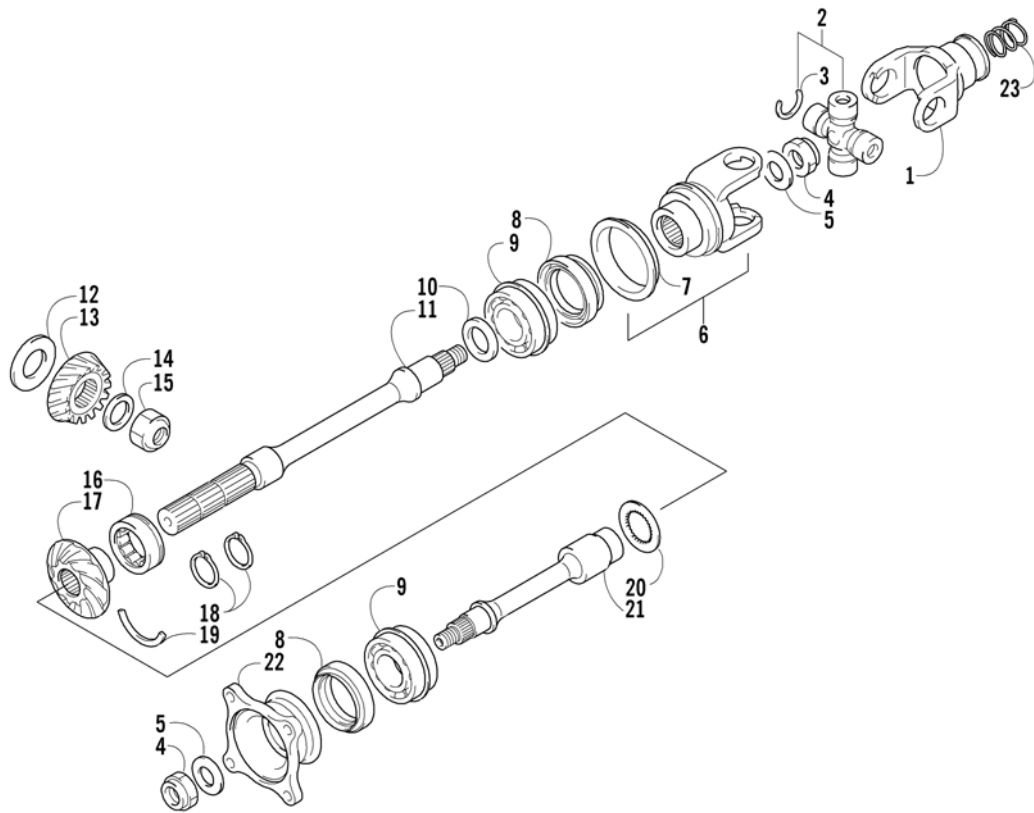
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-750	1	Face, Fixed Drive	18	3423-514	2	Nut
2	3402-751	1	Face, Movable Drive	19	3402-757	1	V-Belt
3	3402-470	2	Seal, Movable Drive Face	20	3402-758	1	Housing, Clutch
4	3402-471	1	Spacer, Movable Drive Face	21	3402-544	1	Spacer, Fixed Drive Face
5	3402-752	1	Face, Fixed Driven	22	3402-977	1	Seal, Clutch Housing - Center
6	3402-753	1	Face, Movable Driven	23	3402-488	1	Seal, Clutch Housing - Left
7	3402-474	1	Spring, Movable Driven Face	24	3446-003	1	Clutch, One-Way
8	3402-475	2	O-Ring, Movable Driven Face	25	3402-760	1	Shoe, Clutch - Assembly
9	3402-476	2	Seal, Movable Driven Face	26	3446-031	2	Retainer, Bearing
10	3402-477	4	Pin, Movable Driven Face	27	3423-370	2	Screw, Bearing Retainer
11	3402-478	4	Spacer, Movable Driven Face	28	3402-567	1	Bearing
12	3402-755	1	Plate, Movable Drive Face	29	3402-729	1	Bearing
13	3402-756	1	Sleeve, Movable Driven Face	30	3423-353	1	O-Ring
14	3402-481	4	Damper, Movable Drive Face	31	3402-761	2	Seal, Clutch Housing - Right
15	3423-406	1	Nut, Driven Pulley	32	3423-501	1	Nut
16	3402-482	1	Holder, Movable Driven Face Spring	33	3402-730	1	Retainer, Bearing
17	3402-483	8	Roller, Movable Drive Face	34	3423-018	2	Screw



SECONDARY TRANSMISSION ASSEMBLY

0738-929

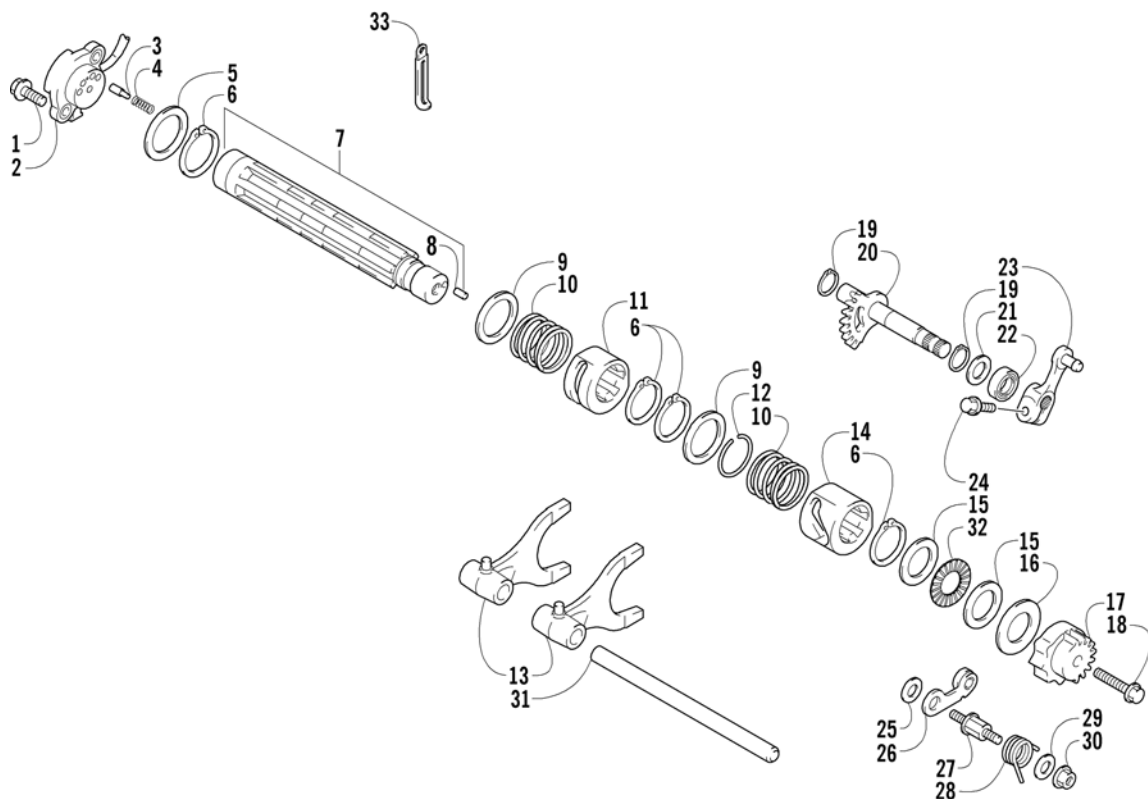
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-045	2	Bearing, Shaft	23	3423-557	1	Circlip
2	3402-381	1	Washer, Drive Gear No. 2 - Right	24	3446-289	1	Gasket
3	3402-497	1	Gear, Drive - No. 2	25	3006-547	2	Pin
4	3423-066	2	Circlip	26	3446-355	1	Housing, Speedometer Sensor
5	3402-737	1	Dog, Reverse Driven Gear	27	3003-290	2	Gasket
6	3402-825	1	Spacer, Reverse Driven Gear	28	3423-091	2	Bolt
7	3423-263	2	Washer	29	3402-838	1	Sensor, Speedometer
8	3402-494	3	Bushing	30	3423-226	1	Bolt
9	3402-498	3	Bearing	31	3402-735	1	Bearing, Shaft
10	3402-822	1	Gear, Reverse Driven	32	3402-491	1	Shaft, Output
11	3423-266	1	Washer, Lock	33	3402-502	1	Bearing, Output Shaft
12	3402-820	1	Countershaft	34	3402-534	1	Gear, Driven - No. 2
13	3423-262	1	Washer, Lock	35	3446-031	2	Retainer, Bearing
14	3402-668	1	Gear, Driven - Low	36	3423-370	2	Screw, Bearing Retainer
15	3423-554	2	Washer, Driven Gear	37	3402-537	1	Seal, Driveshaft - Left
16	3402-824	1	Dog, Sliding	38	3402-499	1	Bearing, Driveshaft - Right
17	3402-733	1	Gear, Driven - High	39	3402-731	1	Driveshaft
18	3423-412	1	Washer, Drive Gear - Left	40	3003-261	1	Bearing, Driveshaft - Left
19	3402-836	1	Seal, Countershaft - Left	41	3402-195	2	Washer, Reverse Idle Gear
20	3423-518	1	Circlip	42	3402-503	1	Gear, Reverse Idle
21	3402-837	1	Rotor	43	3446-103	1	Bushing, Reverse Idle Gear
22	3423-556	1	Washer	44	3402-507	1	Shaft, Reverse Idle



SECONDARY DRIVE ASSEMBLY

0740-798

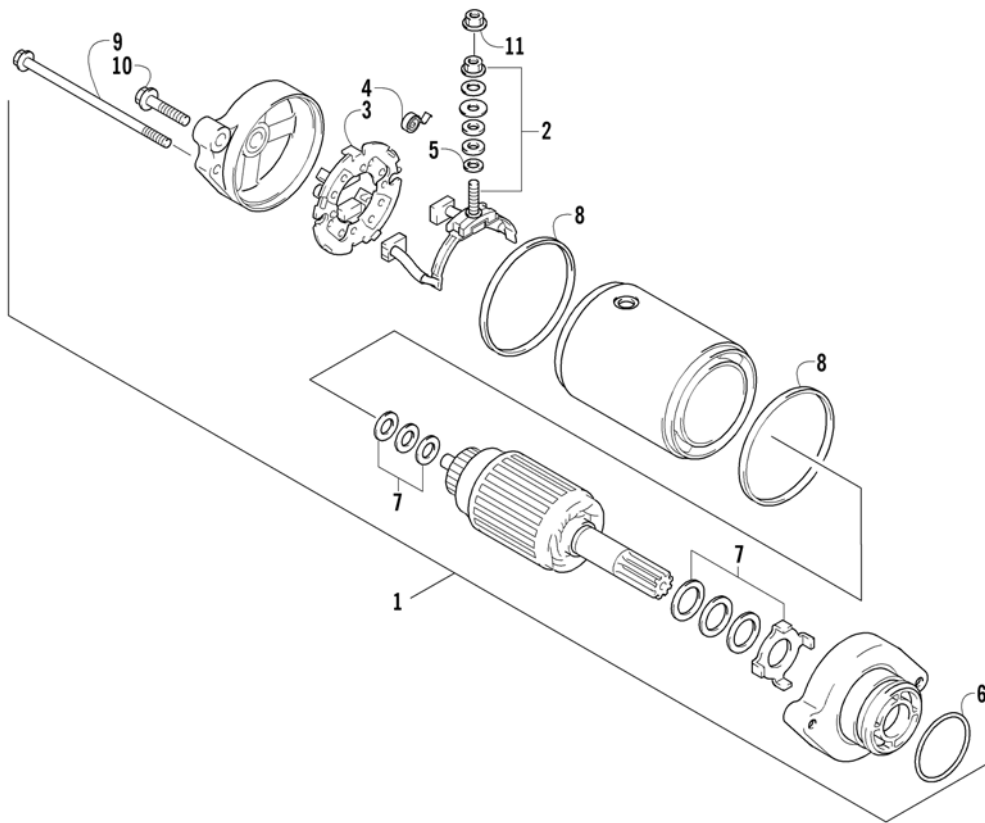
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3446-327	1	Yoke, Propeller Shaft Joint	11	3402-740	1	Shaft, Secondary Driven - Front
2	3402-562	1	Joint, Universal - Set (inc. 3)	12	3423-549	1	Shim, Secondary Drive Gear - Set
3	3423-479	4	Ø Circlip	13	3402-738	1	Gear, Secondary Drive
4	3423-025	2	Nut, Rear Output Joint	14	3005-372	1	Washer
5	3423-028	2	Washer, Rear Output Flange	15	3423-023	1	Nut
6	3402-742	1	Yoke, Drive Output - Front (inc. 7)	16	3402-515	1	Bearing, Driven Gear
7	3402-743	1	Ø Plate, Output Yoke	17	3402-739	1	Gear, Secondary Driven
8	3402-072	2	Seal, Oil - Driven Shaft	18	3423-340	2	Circlip, Secondary Driven Gear
9	3403-210	2	Bearing, Driven Shaft	19	3423-072	1	Ring, Driven Bearing
10	3402-017	AR	Shim, 25 x 34 x 0.60 mm	20	3423-415	1	Washer, Driven Shaft
	3402-018	AR	Shim, 25 x 34 x 0.65 mm	21	3402-513	1	Shaft, Secondary Driven - Rear
	3402-019	AR	Shim, 25 x 34 x 0.70 mm	22	3402-514	1	Flange, Output Joint - Rear
	3402-020	AR	Shim, 25 x 34 x 0.75 mm	23	1402-026	1	Spring
	3402-021	AR	Shim, 25 x 34 x 0.80 mm				
	3402-022	AR	Shim, 25 x 34 x 0.85 mm				
	3402-023	AR	Shim, 25 x 34 x 0.90 mm				
	3402-024	AR	Shim, 25 x 34 x 0.95 mm				
	3402-025	AR	Shim, 25 x 34 x 1.00 mm				
	3402-028	AR	Shim, 25 x 34 x 1.05 mm				
	3402-029	AR	Shim, 25 x 34 x 1.10 mm				
	3402-030	AR	Shim, 25 x 34 x 1.15 mm				
	3402-031	AR	Shim, 25 x 34 x 1.20 mm				



GEAR SHIFTING ASSEMBLY

0741-485

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3423-418	2	Bolt	18	<u>3007-380</u>	1	Bolt, Gear Shift Cam Plate
2	3530-041	1	Switch, Gear Shift Position	19	3423-358	2	Circlip, Sub-Gear Shift Shaft
3	3423-044	2	Contact	20	3402-747	1	Shaft, Sub-Gear Shift
4	3402-087	2	Spring	21	1691-043	2	Washer, Sub-Gear Shift Shaft
5	3423-421	1	Washer, Shift Shaft	22	3402-076	1	Seal, Sub-Gear Shift Shaft
6	3423-191	4	Circlip, Cam Spring	23	3402-434	1	Arm, Select
7	3402-826	1	Shaft, Gear Shift (inc. 8)	24	3004-341	1	Bolt, Select Arm
8	3423-114	1	ø Pin	25	3423-141	1	Washer, Cam Stopper
9	3402-382	2	Washer, Cam Spring	26	3402-746	2	Stopper, Cam
10	3446-280	2	Spring, Cam	27	3446-048	1	Support, Cam Stopper
11	3402-827	1	Cam, Reverse	28	3423-511	1	Spring, Cam Stopper
12	3423-416	1	C-Ring, Cam	29	3423-438	2	Washer, Cam Stopper Spring
13	3446-353	2	Fork, Shift	30	<u>3007-373</u>	1	Nut, Cam Stopper Spring
14	3402-828	1	Cam, Gear Shift	31	3446-266	1	Shaft, Shift Fork
15	3402-381	2	Washer, Shift Shaft	32	3402-829	1	Bearing
16	3423-446	1	Washer, Gear Shift Cam Plate	33	3004-787	1	Clamp, Wire
17	3402-642	1	Plate, Gear Shift Cam				



STARTER MOTOR ASSEMBLY

0737-779

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



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

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