

ATV Illustrated Parts Manual

500 TBX (Automatic Transmission)

Model Number A2004BXM4BUSR (Red)
Model Number A2004BXM4BUSG (Green)

Homologated ATV's

ATV04-500i-4x4A-TBX (red)
ATV04-500i-4x4A-TBX (green)
ATV04-500i-4x4A-TBX (cat green)

ARCTIC CAT[®]

2004



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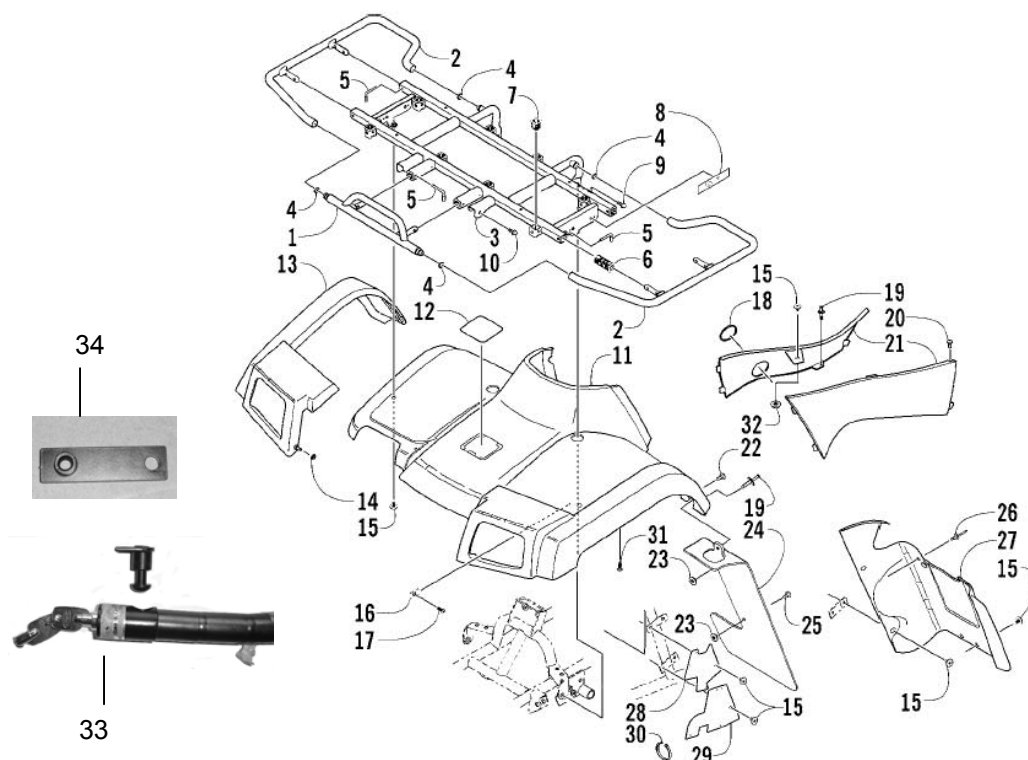
2004 ATV 500 TBX

Red - (Model No. A2004BXM4BUSR)

Green - (Model No. A2004BXM4BUSG)

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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 2004 model year.

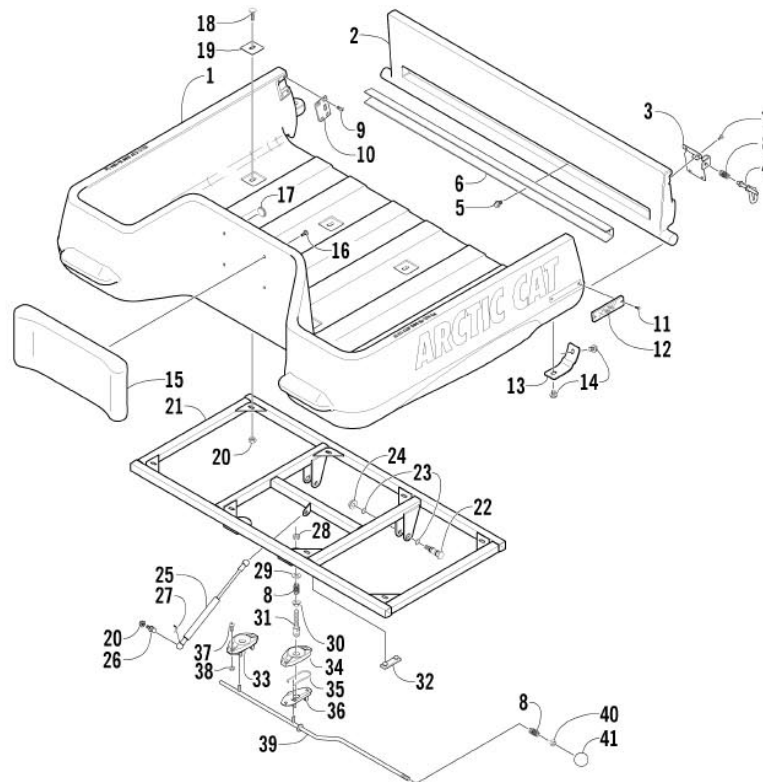


FRONT BODY PANEL ASSEMBLY

0738-633

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0541-133	1	Center, Rack - Front	18	0470-404	1	Grommet, Fuel Shut-Off Valve
2	0541-134	2	Side, Rack - Front	19	0623-362	4	Rivet, Reinstallable
3	0541-135	1	Frame, Rack - Front	20	0623-309	2	Screw, Self-Tapping
4	0623-903	4	O-Ring	21	0506-548	1	Panel, Side - Right
5	0541-189	6	Pin		0506-243	1	Panel, Side - Left
6	0441-556	6	Bushing, Rack		0506-549	1	Panel, Side - Right (Green)
7	0441-592	8	Bushing, Rack		0506-673	1	Panel, Side - Left (Green)
8	0411-646	2	Decal, Reflector - Amber		0506-722	1	Panel, Side - Right (Cat Green)
9	0423-360	2	Screw, Cap		0506-723	1	Panel, Side - Left (Cat Green)
10	8408-816	2	Screw, Cap	22	0423-356	2	Screw, Shoulder
11	0506-616	1	Panel, Fender - Front (inc. 12)	23	0423-077	6	T-Nut w/Teeth
	0506-584	1	Panel, Fender - Front (inc. 12) (Green)	24	1506-194	2	Extension, Flare - Front
	0506-721	1	Panel, Fender - Front (inc. 12) (Cat Green)	25	0423-361	4	Screw, Machine
12	1406-142	1	● Cover, Access	26	0423-046	4	Rivet, Plastic
	1406-141	1	● Cover, Access (Green)	27	1506-199	1	Panel, Kick - Right
	1406-041	1	● Cover, Access (Cat Green)		1506-200	1	Panel, Kick - Left
13	1506-158	1	Flare - Front - Right	28	1406-063	1	Panel, Fender - Inner Right
	1506-159	1	Flare - Front - Left		1406-064	1	Panel, Fender - Inner Left
14	0423-357	2	Nut, Stamped	29	1406-006	1	Panel, Fender - Inner
15	0423-101	AR	Screw, Body	30	0123-788	AR	Cable Tie - 7.5 in.
16	0423-031	2	Nut, Speed	31	0423-342	6	Screw, Self-Tapping
17	8477-616	2	Screw, Machine	32	8424-602	2	Nut, Flange
Homologated ATV's							
33	AC000-790	1	Anti-theft Device				
34	AC000-793	1	Bracket, anti-theft device				

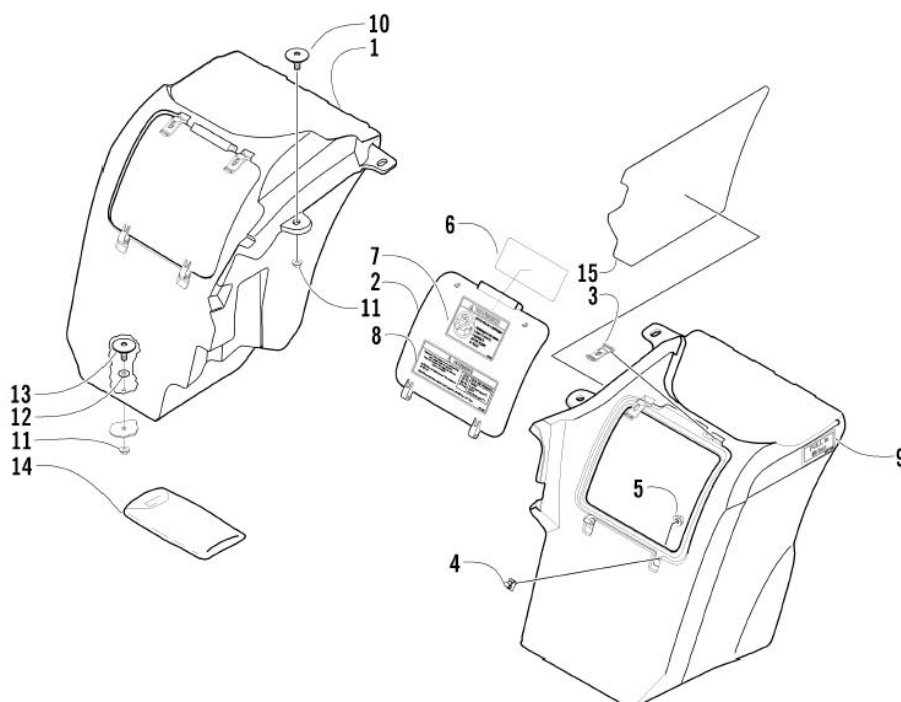
2004 ATV 500 TBX



CARGO BOX AND TILT FRAME ASSEMBLY

0737-888

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-509	1	Box, Cargo	20	8424-802	10	Nut, Flange
2	0506-887	1	Tailgate Assembly (inc. 3-7 and two No. 8)	21	0506-820	1	Frame, Tilt
3	0506-504	1	● Body, Latch - Right	22	0423-433	2	Pin, Pivot
	0506-505	1	● Body, Latch - Left	23	1602-213	4	O-Ring
4	0506-884	1	● Pin, Latch - Right	24	0423-388	2	Nut, Flange
	0506-885	1	● Pin, Latch - Left	25	0506-822	1	Support, Lift
5	8408-812	4	● Bolt	26	0423-401	2	Stud, Lift Support
6	0406-807	1	● Channel	27	0423-414	2	Ring, Retaining
7	8476-612	8	● Screw, Machine	28	0423-157	2	Nut, Lock
8	0406-934	5	● Spring	29	8050-282	4	Washer
9	8474-616	8	Screw, Machine	30	0423-120	2	Nut, Wheel
10	0406-931	2	Plate, Striker - Latch	31	0423-354	2	Stud, Latch
11	0623-269	4	Clip, Retaining	32	0406-879	2	Bumper, Seat
12	0606-029	2	Reflector - Red	33	0506-685	2	Latch Assembly (inc. 34-36)
13	0506-986	2	Bracket, Hinge	34	1673-634	2	● Back, Latch
14	0423-412	4	Screw, Cap	35	0673-023	2	● Clip, Retaining
15	0506-686	1	Backrest	36	1673-635	2	● Cover, Latch
16	8476-620	4	Screw, Machine	37	8476-620	4	Screw, Machine
17	0616-348	4	Cap	38	8424-602	4	Nut, Flange
18	0423-341	8	Bolt, Carriage	39	0506-687	1	Rod, Release
19	1506-166	8	Plate, Retaining	40	8042-486	1	Nut
				41	1406-022	1	Knob, Release Rod

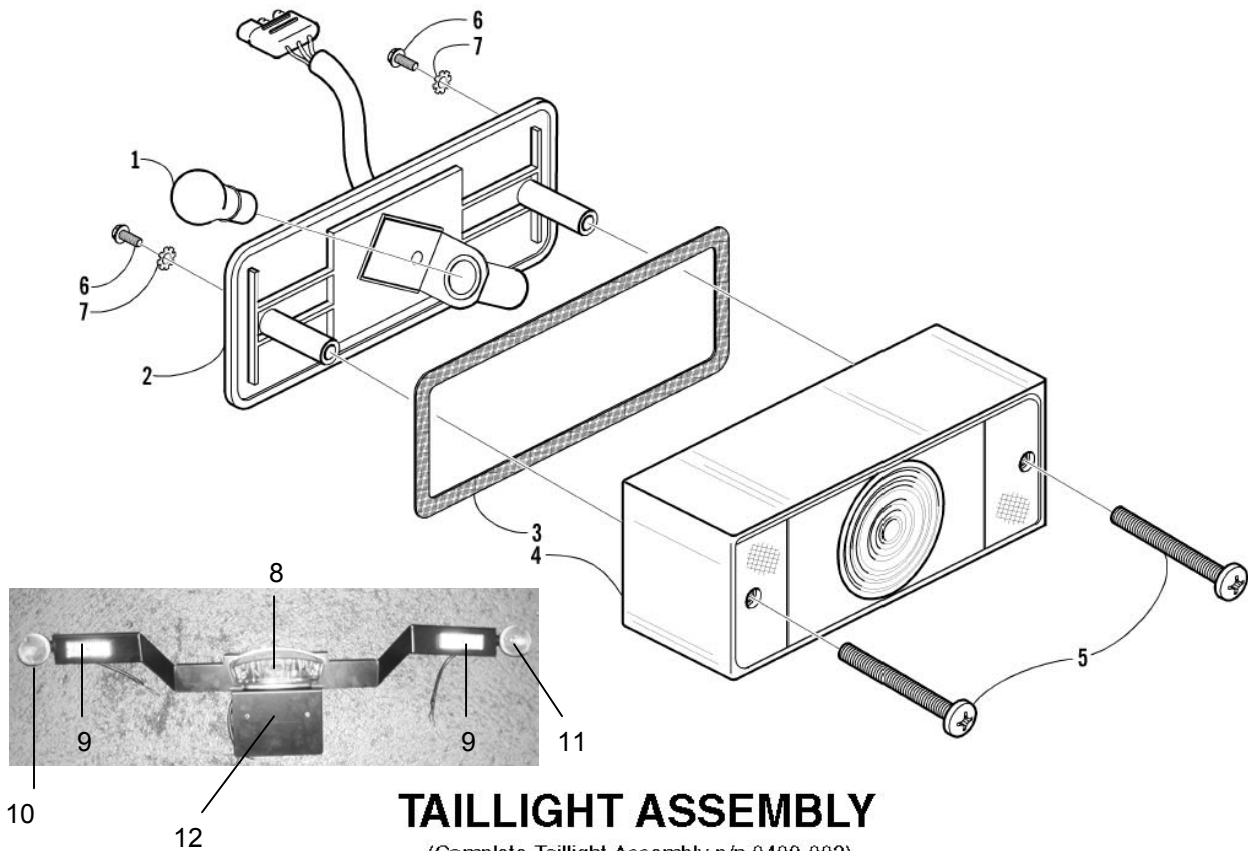


STORAGE BOX ASSEMBLY

0738-476

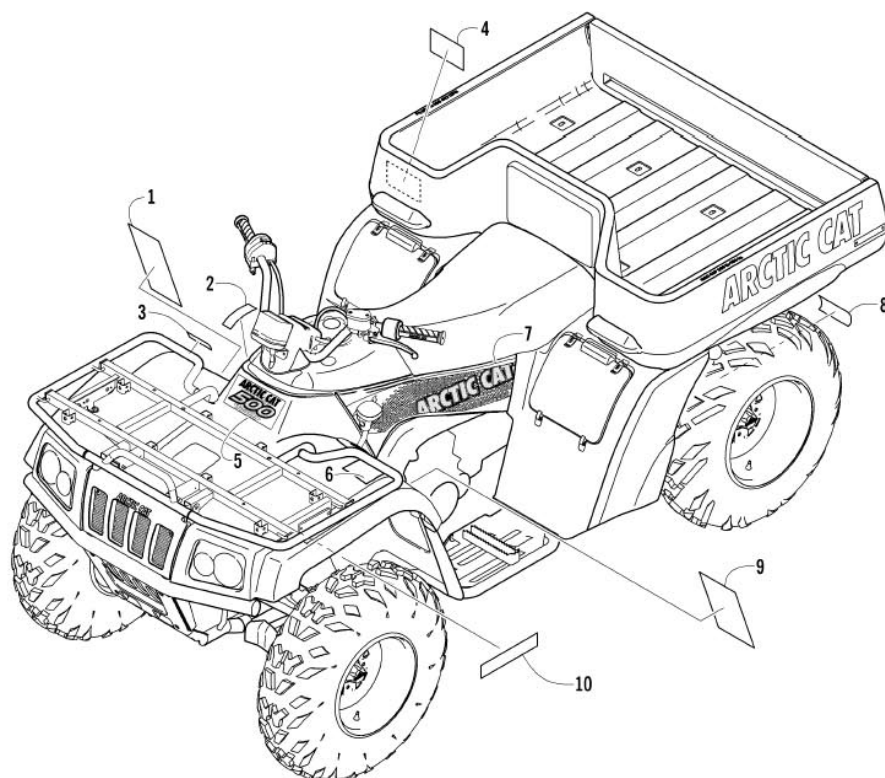
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-863	1	Box, Storage - Right (inc. 2-6)	8	0411-589	1	● Decal, Warning - Tire Pressure
	0506-862	1	Box, Storage - Left (inc. 2-9)	9	0411-489	1	● Decal, Instruction - Tilt Box
2	1506-020	2	● Hatch	10	0423-130	4	Screw, Shoulder
3	1406-134	4	● Strap, Hatch	11	8424-602	8	Nut, Flange
4	0506-674	4	● Hinge	12	0673-349	4	Gasket
5	8424-502	4	● Nut	13	0423-101	4	Screw, Body
6	0411-487	2	● Decal, Caution - Capacity	14	0444-122	1	Kit, Tool
7	0411-435	1	● Decal, Warning - Passenger	15	1406-261	1	Shield, Heat

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0732-336

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0109-460	1	Bulb, Stop/Taillight	5	0409-010	2	Screw, Machine
2	0409-011	1	Taillight w/Socket Assembly	6	0623-361	2	Screw, Self-Tapping
3	0409-012	1	Gasket, Taillight Lens	7	8053-212	2	Washer, Lock - External Tooth
4	0409-007	1	Lens, Taillight				
Homologated ATV's							
8	AC000-079	1	Taillight				
9	AC000-139	2	Reflector				
10	AC000-145	1	Indicator, left				
11	AC000-146	1	Indicator, right				
12	AC000-174	1	Bracket, rear light				

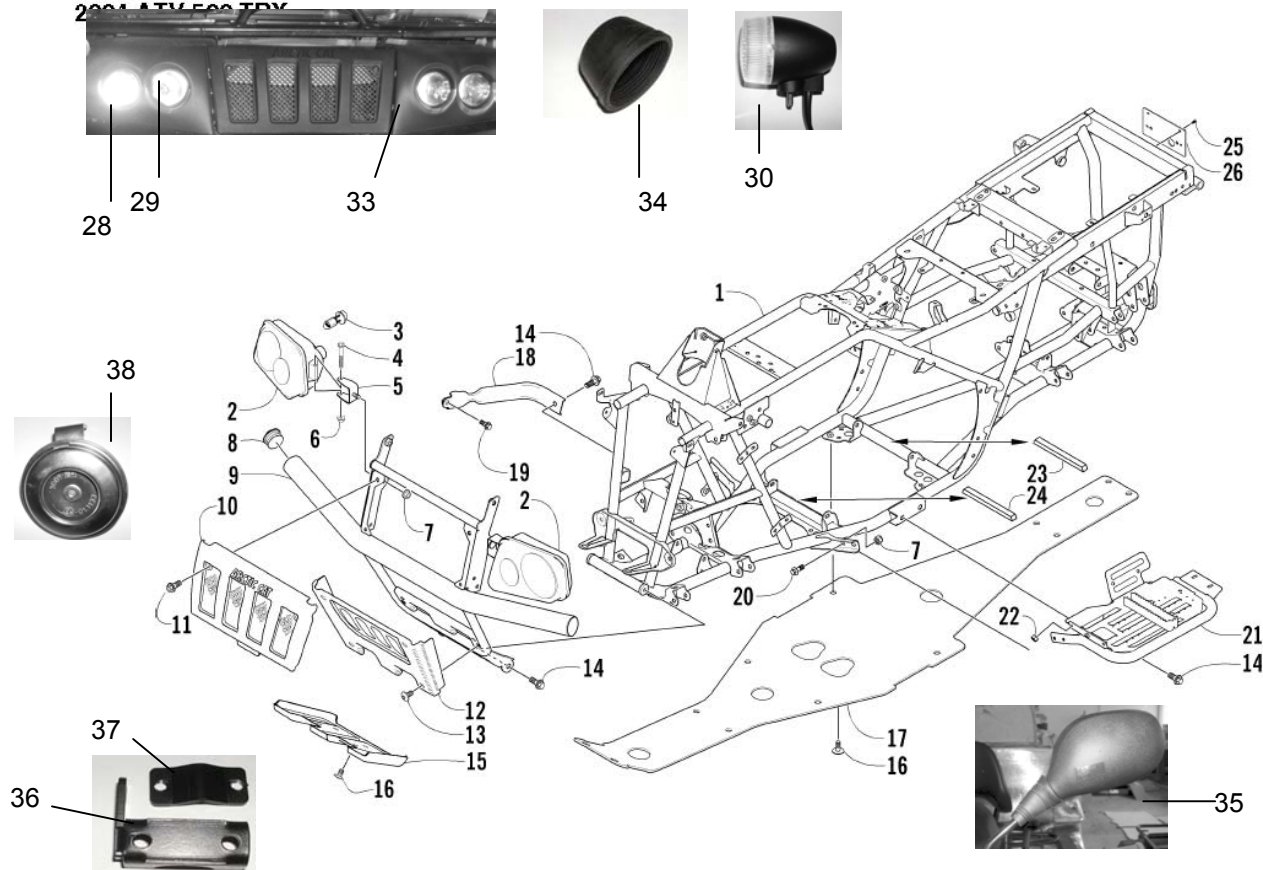


DECALS

0738-477

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0411-666</u>	1	Decal, Warning - Reverse/Pre-Ride	7	<u>0411-636</u>	1	Decal, Side - Right
2	<u>0411-426</u>	1	Decal, Warning - Clutch Cover		<u>0411-637</u>	1	Decal, Side - Left
3	<u>0411-576</u>	1	Decal, Warning - Front Rack Load		<u>0411-634</u>	1	Decal, Side - Right (Green)
4	<u>0411-485</u>	1	Decal, Warning - No Passengers		<u>0411-635</u>	1	Decal, Side - Left (Green)
5	<u>0411-622</u>	1	Decal, Front	8	<u>0411-267</u>	1	Decal, Warning - Towing
	<u>0411-623</u>	1	Decal, Front (Green)	9	<u>0411-218</u>	1	Decal, Warning - General
6	<u>0411-401</u>	1	Decal, Warning - Age	10	<u>0411-643</u>	1	Decal, CA Emissions

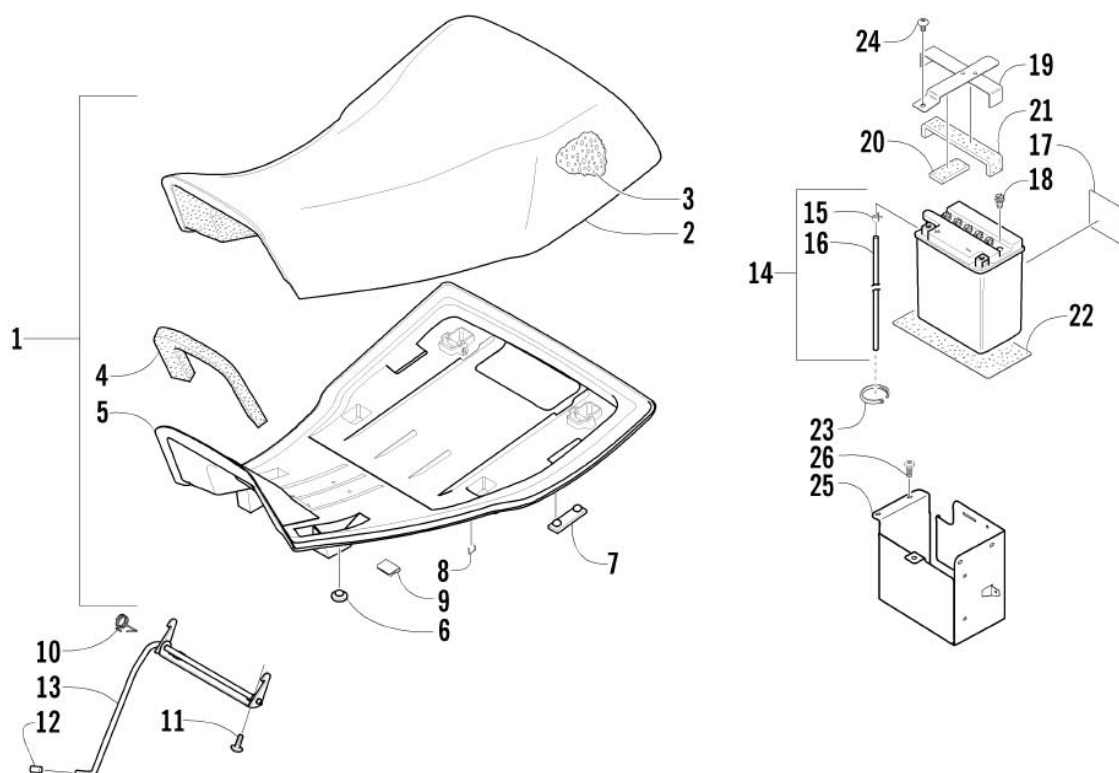
2004 ATV 500 TRV



FRAME AND RELATED PARTS

0738-479

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1506-186	1	Frame, Main	14	8409-020	8	Screw, Cap
2	0409-032	1	Headlight Assembly - Right (inc. 3-6)	15	0406-834	1	Plate, Skid
	0409-031	1	Headlight Assembly - Left (inc. 3-6)	16	0423-101	AR	Screw, Body
3	0409-045	4	● Bulb, Headlight	17	1406-176	1	Panel, Belly
4	8410-860	2	● Screw, Cap	18	0506-653	2	Channel, Bumper Mounting
5	0406-945	2	● Bracket, Headlight Mounting	19	8408-812	2	Screw, Cap
6	0423-375	2	● Nut, Flange	20	8408-816	4	Screw, Cap
7	8424-802	6	Nut, Flange	21	0506-659	1	Footrest - Right
8	0406-130	2	Cap, Bumper		0506-658	1	Footrest - Left
9	0506-544	1	Bumper	22	8424-602	2	Nut, Flange
10	0406-832	1	Grille, Upper	23	0406-289	1	Pad - Rear
11	0423-361	2	Screw, Machine	24	1506-067	1	Pad - Front
12	1406-420	1	Grille, Bumper - Lower	25	0623-361	2	Screw, Self-Tapping
13	0423-362	4	Screw, Machine	26	1406-139	1	Plate, Mounting - Taillight
Homologated ATV's							
27	AC000-064	1	Towing device	33	AC000-066	1	Orifice headlight, round right
28	AC000-136	1	Headlight right		AC000-067	1	Orifice headlight, round left
	AC000-136	1	Headlight left	34	AC000-138	4	Rubber headlight
29	AC000-135	1	Highbeam right	35	AC000-751	1	Mirror left
	AC000-135	1	Highbeam left		AC000-752	1	Mirror right
30	AC000-146	1	Direction light right	36	AC000-086	1	Bracket mirror right
	AC000-145	1	Direction light left	37	AC000-089	1	Counterpart mirror right
31	AC000-071	1	Headlight interior tray right	38	AC000-158	1	Horn
	AC000-072	1	Headlight interior tray left				
32	AC000-074	1	Bracket headlight right				
	AC000-073	1	Bracket headlight left				

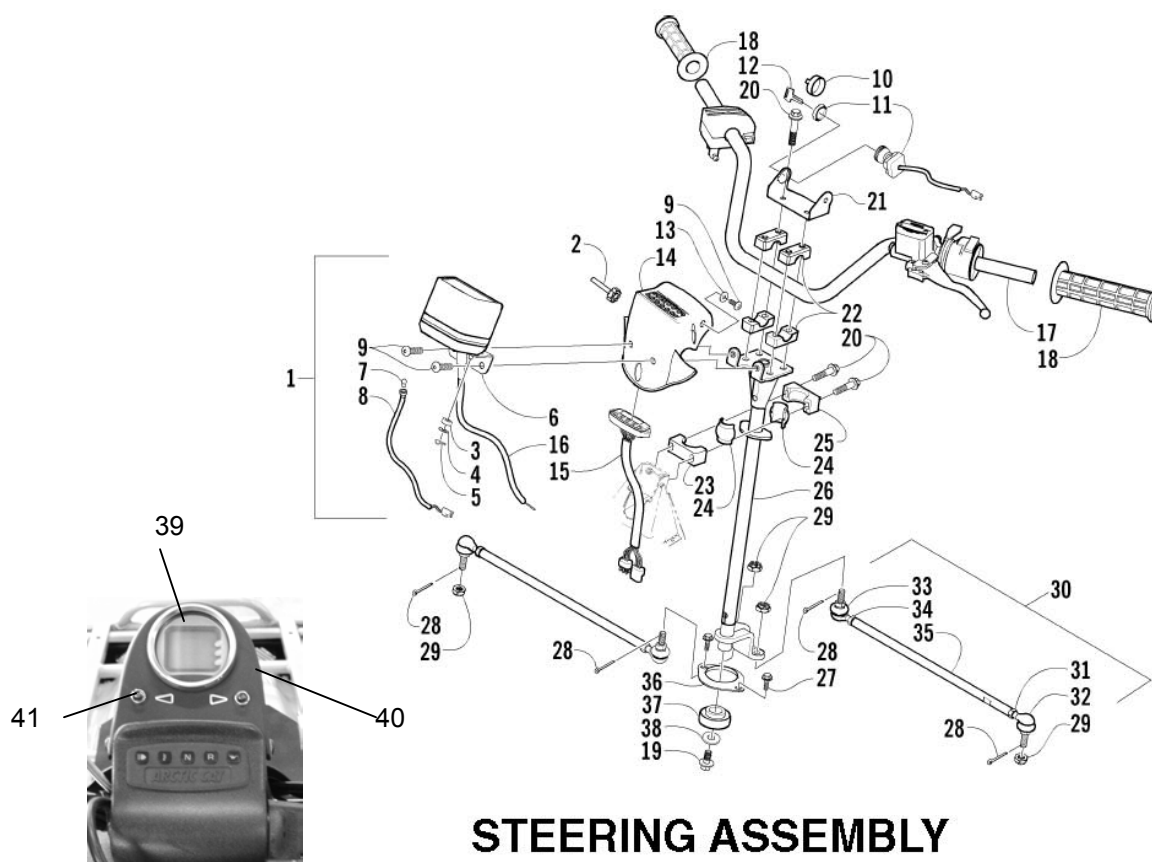


SEAT AND BATTERY ASSEMBLIES

0738-480

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0506-613	1	Seat Assembly (inc. 2-9)	14	0745-045	1	Battery Assembly (inc. 15-18)
2	0506-556	1	● Cover, Seat	15	0645-152	1	● Clamp, Hose
3	0506-555	1	● Foam, Seat	16	0645-263	1	● Hose, Battery Vent
4	1406-060	1	● Foam, Sound	17	0645-151	1	● Label, Warning - Battery
5	0406-925	1	● Base, Seat Assembly (inc. 6-7)	18	0645-045	6	● Cap, Battery
6	0406-877	2	● Bumper, Seat - Front	19	0506-877	1	Strap, Battery w/Pads (inc. 20-21)
7	0406-879	2	● Bumper, Seat - Rear	20	1406-265	1	● Pad, Battery - Upper Front
8	0624-528	AR	● Staple	21	1406-266	1	● Pad, Battery - Upper Rear
9	0406-930	2	● Plate, Strike - Seat Latch	22	1406-219	1	Pad, Battery - Lower
10	1406-112	1	Spring, Seat Latch	23	0123-903	1	Cable Tie - 11.5 in.
11	8477-616	2	Screw, Machine	24	8477-610	1	Screw, Machine
12	0623-404	1	Cap, Protector	25	1506-365	1	Box, Battery
13	1406-185	1	Latch, Seat	26	8476-625	4	Screw, Machine

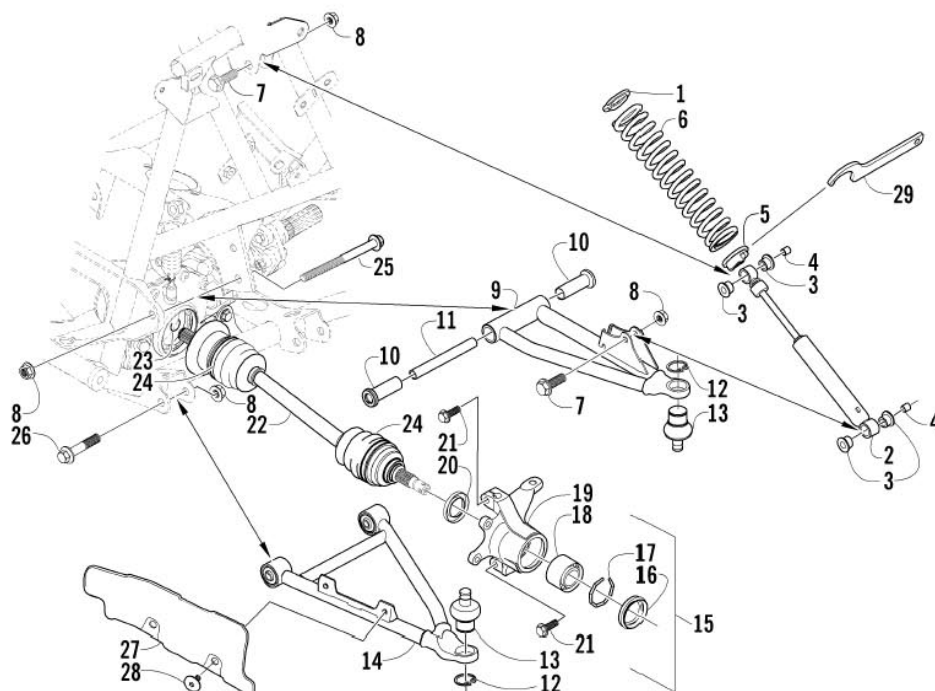
2004 ATV 500 TBX



STEERING ASSEMBLY

0737-654

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0420-031	1	Speedometer (inc. 2-8)	19	8409-020	1	Screw, Cap
2	0420-027	1	● Knob, Speedometer Trip	20	8408-860	6	Screw, Cap
3	0420-016	2	● Mount, Rubber	21	0506-348	1	Bracket, Key Switch
4	0420-017	2	● Washer	22	0405-035	4	Cap, Steering Adjuster
5	0420-015	2	● Pin, Retainer	23	0605-171	1	Housing, Bearing - Lower
6	0420-018	1	● Bracket, Speedometer	24	0405-020	2	Bearing, Steering Post
7	0620-149	1	● Bulb, Speedometer	25	0605-147	1	Housing, Bearing - Upper
8	0420-014	1	● Harness, Speedometer	26	0505-431	1	Post, Steering
9	8477-616	3	Screw, Machine	27	8408-816	2	Screw, Cap
10	0409-013	1	Cover, Key	28	0623-175	4	Pin, Cotter
11	3430-040	1	Switch, Ignition - Assembly (inc. 12)	29	0423-157	4	Nut, Lock
12	3409-007	1	● Key, Ignition - Blank (C Series)	30	0505-408	2	Tie Rod - Assembly (inc. 31-35)
	3409-011	1	● Key, Ignition - Blank (D Series)	31	8420-002	2	● Nut - Right
	3409-012	1	● Key, Ignition - Blank (E Series)	32	0405-082	2	● Ball Joint, Tie Rod - Right
	3409-013	1	● Key, Ignition - Blank (F Series)	33	0405-083	2	● Ball Joint, Tie Rod - Left
13	0423-052	1	Collar, Body	34	0423-013	2	● Nut - Left
14	0405-063	1	Instrument Pod	35	0405-107	2	● Tie Rod
15	0420-035	1	Panel, LED	36	0602-233	1	Flange, Bearing
16	0487-026	1	Cable, Speedometer	37	0405-052	1	Bearing w/Inverted Oil Seal
17	0505-410	1	Tube, Handlebar	38	0423-073	1	Washer
18	0405-106	2	Grip, Handlebar				
Homologated ATV's							
39	AC000-076	1	Digital Speedometer				
40	AC000-065	1	Orifice, speedometer				
41	AC000-151	2	Control, indicator				

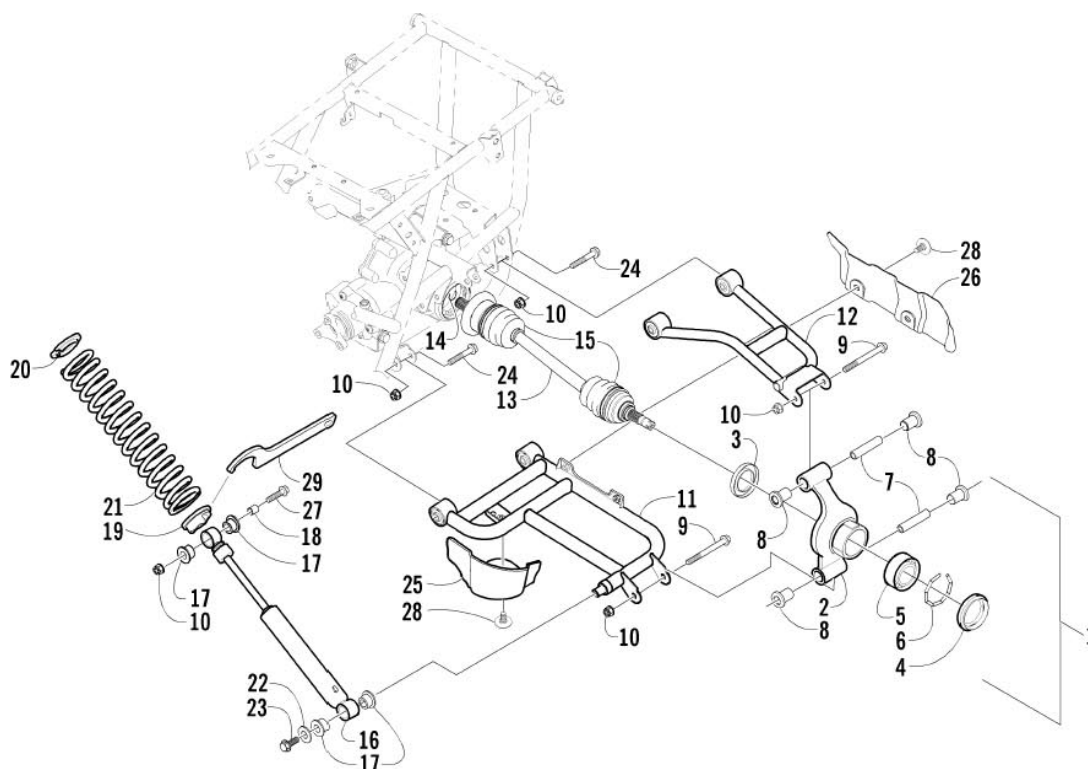


FRONT SUSPENSION ASSEMBLY

0737-695

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	1603-889	2	Retainer, Spring	15	0505-026	1	Knuckle - Assembly - Right (inc. 16-20)
2	0403-111	2	Shock Absorber - Front (inc. 3-4)		0505-027	1	Knuckle - Assembly - Left (inc. 16-20)
3	0604-310	8	● Bushing, Shock Absorber	16	0402-089	2	● Seal, Wheel Bearing - Front
4	0403-028	4	● Sleeve, Shock	17	0423-034	2	● Clip, Bearing
5	0403-102	2	Cam, Spring Adjuster	18	0402-275	2	● Bearing, Wheel Hub - Front
6	0403-118	2	Spring, Shock Absorber	19	0505-062	1	● Knuckle, Steering - Right
7	8409-040	4	Screw, Cap		0505-063	1	● Knuckle, Steering - Left
8	8428-002	10	Nut, Lock	20	0402-069	2	● Seal, Wheel Bearing - Rear
9	0503-196	1	A-Arm, Upper Right - Assembly (inc. 10-13)	21	8409-030	4	Screw, Cap
	0503-197	1	A-Arm, Upper Left - Assembly (inc. 10-13)	22	0502-544	2	Axle, Drive - Front (inc. 23-24)
10	0403-081	4	● Bushing	23	0441-400	2	● Clip, Retaining
11	0403-080	2	● Collar	24	0436-276	2	● Repair Kit, Boot - Front Axle
12	0423-009	4	● Clip, Ball Joint	25	0423-334	2	Screw, Cap
13	0405-115	4	● Ball Joint - Front	26	8409-060	4	Screw, Cap
14	0503-227	1	A-Arm, Lower Right (inc. 12-13)	27	1406-034	1	Guard, Boot - Axle - Right
	0503-228	1	A-Arm, Lower Left (inc. 12-13)		1406-035	1	Guard, Boot - Axle - Left
				28	0423-101	4	Screw, Body
				29	0441-587	1	Wrench, Spanner

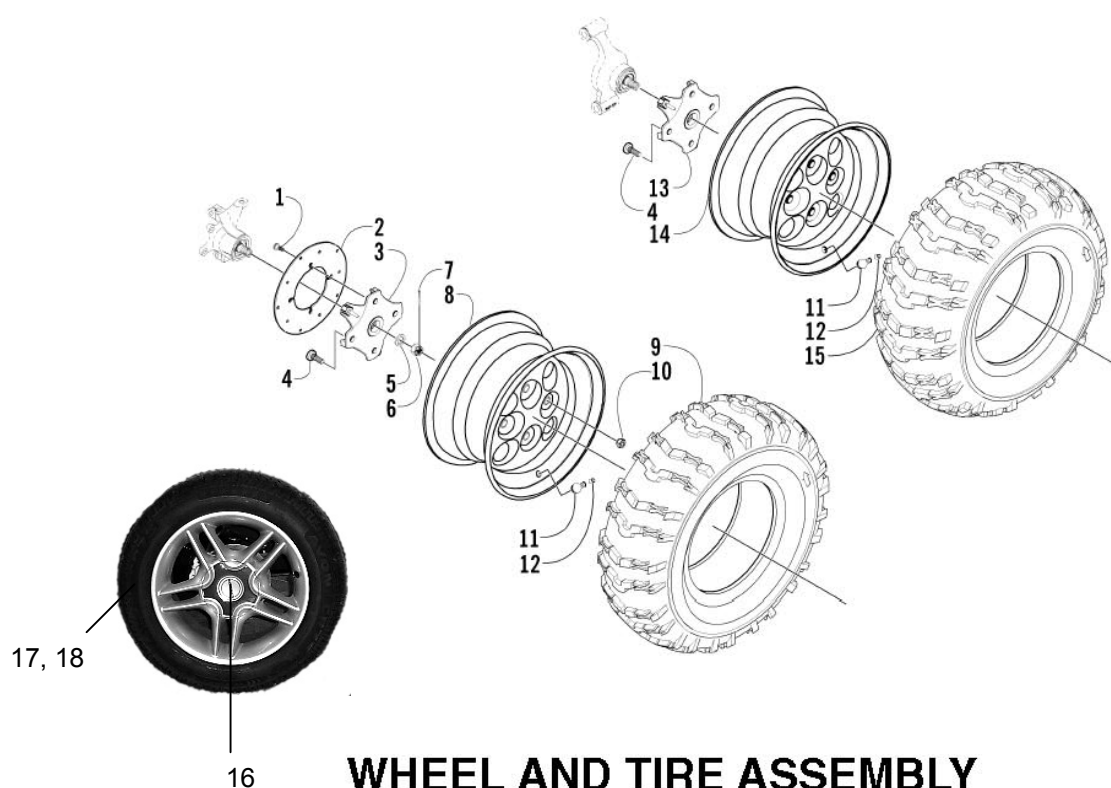
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REAR SUSPENSION ASSEMBLY

0737-579

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0504-226	1	Knuckle, Right Rear - Assembly (inc. 2-8)	14	0441-400	2	● Clip, Retaining
	0504-227	1	Knuckle, Left Rear - Assembly (inc. 2-8)	15	0436-276	2	● Repair Kit, Boot - Rear Axle
2	0504-224	1	● Knuckle - Right	16	0404-045	2	Shock Absorber - Rear (inc. 17-18)
	0504-225	1	● Knuckle - Left	17	0604-310	8	● Bushing, Shock Absorber
3	0402-069	2	● Seal, Wheel Bearing - Rear	18	0403-028	2	● Sleeve, Shock Absorber
4	0402-089	2	● Seal, Wheel Bearing - Front	19	0404-057	2	Cam, Spring Adjuster
5	0402-275	2	● Bearing, Wheel	20	1603-889	2	Retainer, Spring
6	0423-034	2	● Clip, Bearing	21	0404-065	2	Spring, Suspension
7	0403-038	4	● Collar, Suspension Bushing	22	0423-087	2	Washer
8	0403-032	8	● Bushing, Suspension	23	8408-820	2	Screw, Cap
9	8409-000	4	Screw, Cap	24	8409-060	8	Screw, Cap
10	8428-002	14	Nut, Lock	25	1406-071	1	Guard, Boot - Right
11	0504-228	1	A-Arm, Rear - Lower Right		1406-072	1	Guard, Boot - Left
	0504-229	1	A-Arm, Rear - Lower Left		1406-068	1	Guard, Boot - Right
12	0504-232	1	Arm, Rear - Upper Right		1406-069	1	Guard, Boot - Left
	0504-233	1	Arm, Rear - Upper Left	27	8409-040	2	Screw, Cap
13	0502-544	2	Axle, Drive (inc. 14-15)	28	0423-101	6	Screw, Body
				29	0441-587	1	Wrench, Spanner

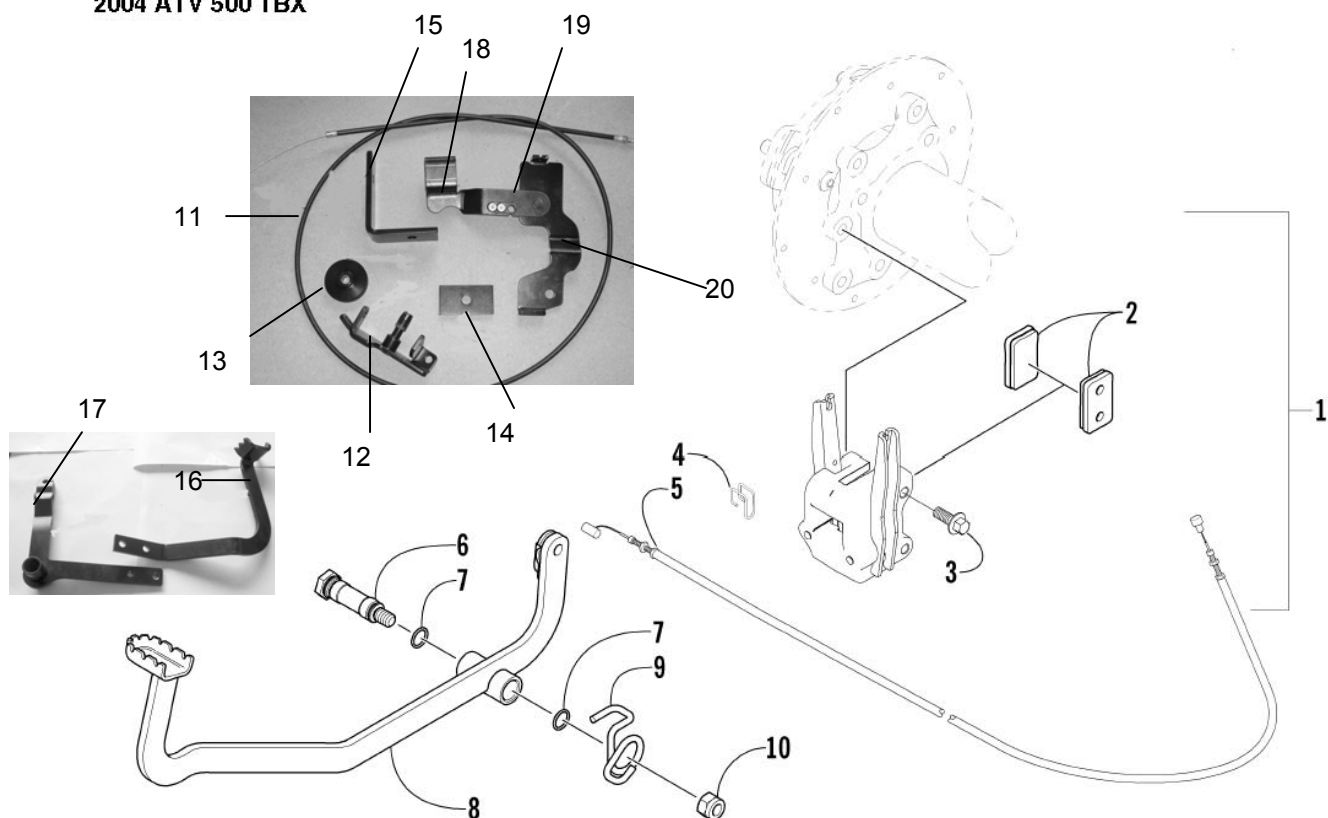


WHEEL AND TIRE ASSEMBLY

0738-484

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-029	12	Screw, Machine	9	1402-100	2	Tire - Front
2	0402-874	3	Disc, Brake	10	0423-408	16	Nut, Mounting - Wheel
3	0502-421	2	Hub, Wheel - Front (inc. 4)	11	0402-064	4	Stem, Valve (inc. 12)
4	0402-974	16	● Stud, Wheel Hub	12	0402-140	4	● Cap, Valve Stem
5	0402-181	4	Seal, Hub	13	0502-423	1	Hub, Wheel - Rear - Left (inc. 4)
6	0423-394	4	Nut, Castle	14	0502-421	1	Hub, Wheel - Rear - Right (inc. 4)
7	0423-407	4	Pin, Cotter	14	0402-858	2	Wheel - Rear
8	0402-856	2	Wheel - Front	15	1402-137	2	Tire - Rear
Homologated ATV's							
16	AC000-200	4	Rim, aluminium 15" x 7				
17	AC000-202	2	Tire front 185x65-15, road				
18	AC000-215	2	Tire rear 206x80-15, road				

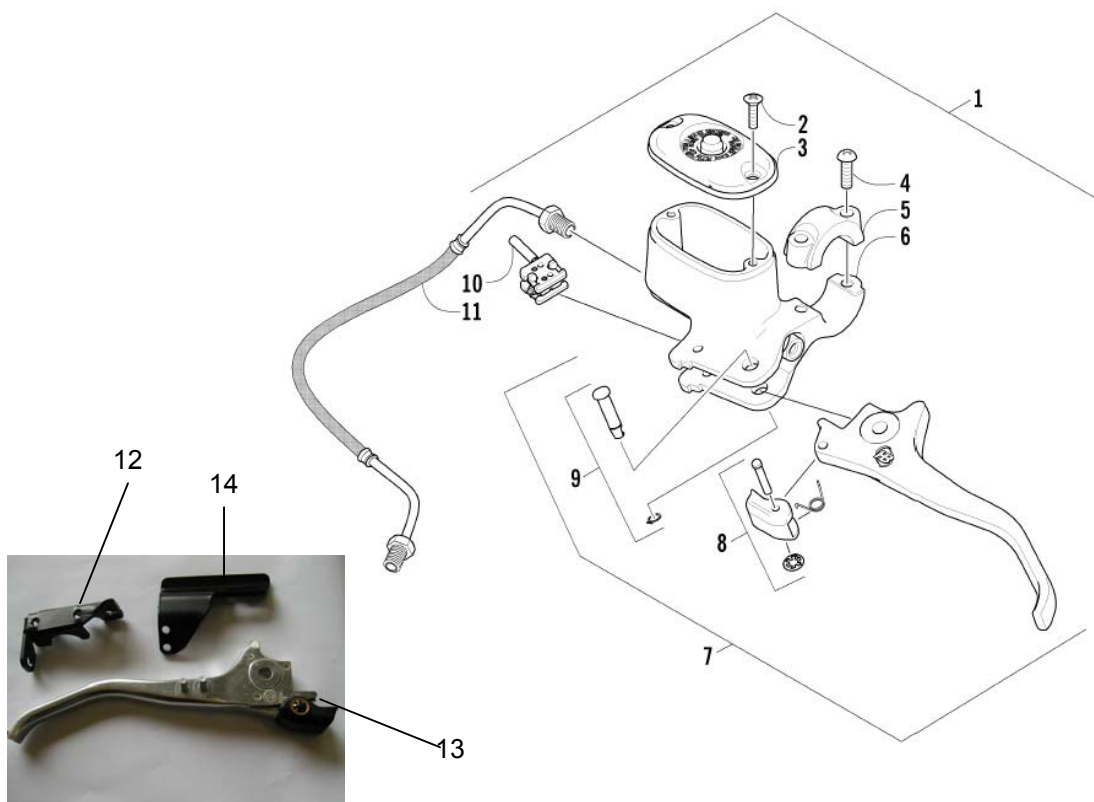
2004 ATV 500 TBX



AUXILIARY BRAKE ASSEMBLY

0737-565

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0502-372	1	Auxiliary Brake Assembly (inc. 2)	6	0402-872	1	Axle, Brake Lever
2	0402-958	2	● Pad, Brake	7	1602-213	2	O-Ring
3	8408-825	2	Screw, Cap	8	0502-236	1	Lever, Brake
4	0402-379	1	Wire Form, Cable	9	0502-395	1	Spring, Brake Lever
5	0487-029	1	Cable, Brake - Rear	10	8422-002	1	Nut
Homologated ATV's							
11	AC000-095	1	Bowdencable				
12	AC000-172	1	Bracket, diverter pulley				
13	AC000-103	1	Diverter pulley				
14	AC000-080	1	Counterpart, parking brake				
15	AC000-081	1	Bracket parking brake				
16	AC000-083	1	Lever, footbrake part 1				
17	AC000-084	1	Lever, footbrake part 2				
18	AC000-164	1	Lever, parking brake				
19	AC000-165	1	Distance sleeve				
20	AC000-166	1	Bracket, cable parking brake				

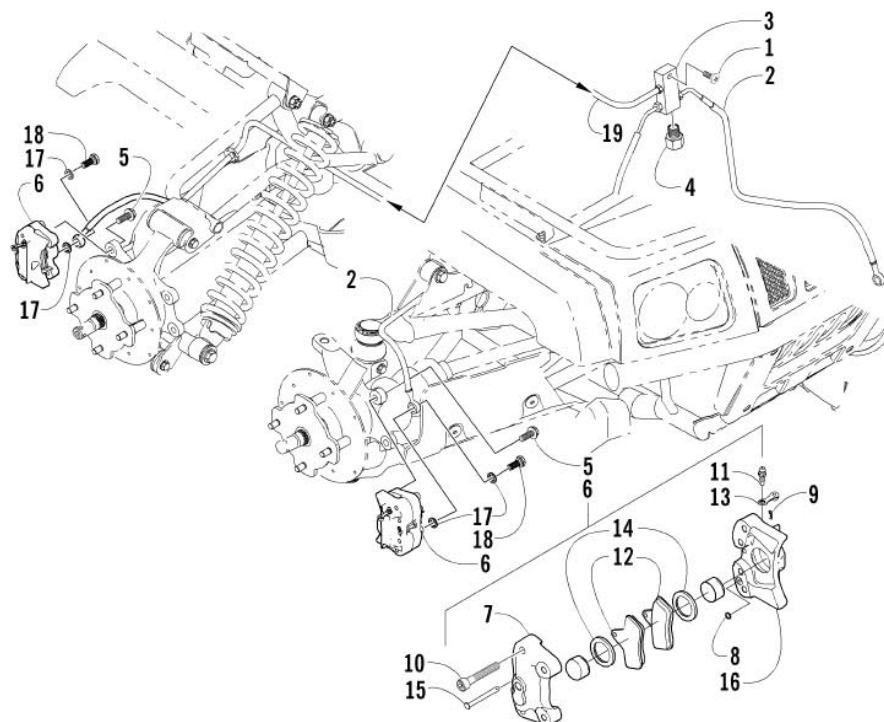


HYDRAULIC HAND BRAKE ASSEMBLY

0738-331

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-561</u>	1	Brake Assembly (inc. 2-10)	7	<u>0502-562</u>	1	● Lever Assembly - Kit (inc. 8-9)
2	<u>0502-566</u>	1	● Screw, Reservoir Cover - Kit	8	<u>0502-563</u>	1	●● Lock, Brake Lever - Kit
3	<u>0502-565</u>	1	● Cover, Reservoir - Kit	9	<u>0502-580</u>	1	●● Lever Pin - Kit
4	<u>0502-568</u>	1	● Screw, Master Cylinder Clamp - Kit	10	<u>0502-564</u>	1	● Switch, Brake - Kit
5	<u>0502-567</u>	1	● Clamp, Master Cylinder - Kit	11	0402-962	1	Brakeline, Hydraulic
6	<u>0502-516</u>	1	● Master Cylinder Assembly - Kit				
Homologated ATV's							
12	AC000-085	1	Bracket handbrake cylinder				
13	AC000-075	1	Lever handbrake				
14	AC000-087	1	Lever bowdencable				

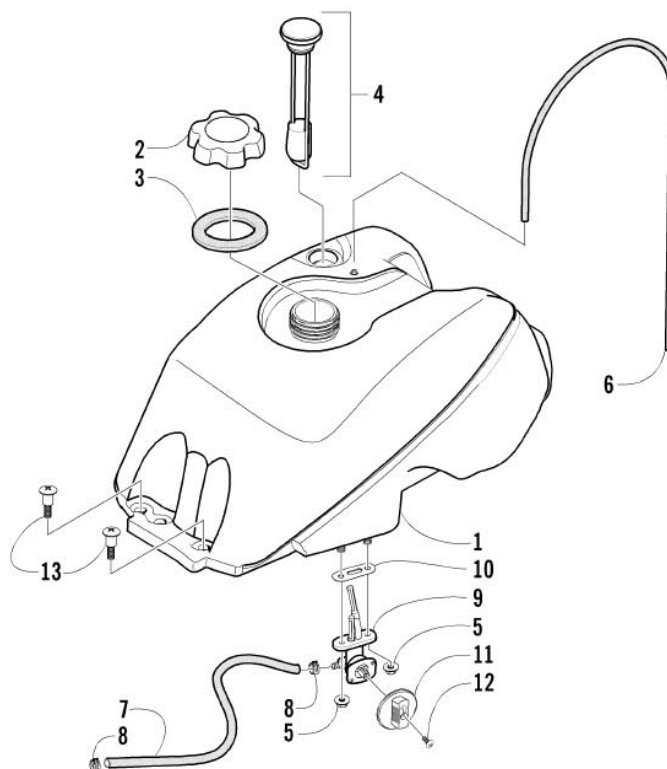
2004 ATV 500 TBX



HYDRAULIC BRAKE ASSEMBLY

0738-382 *Not a Service Part

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8476-625	1	Screw, Cap	9	0402-496	3	● Clip, Hairpin
2	0402-961	2	Hose, Brake - Front	10	0402-492	12	● Screw, Cap
3	1402-086	1	Block, Junction	11	0402-491	3	● Valve, Bleed
4	1402-031	1	Plug	12	0402-882	6	● Pad, Brake
5	8408-825	6	Screw, Cap	13	0402-493	3	● Cap, Bleed Valve
6	0502-335	1	Caliper, Brake - Right Front	14	0402-980	6	● O-Ring, Brake Caliper
			(inc. 7-16)	15	0402-495	3	● Pin, Brake Caliper
	0502-336	2	Caliper, Brake - Left Front and Right	16	*	3	● Housing, Caliper
			Rear (inc. 7-16)	17	0423-178	6	Washer, Crush
7	*	3	● Housing, Caliper	18	0423-413	3	Bolt, Banjo Fitting
8	0402-490	3	● O-Ring	19	1402-205	1	Hose, Brake - Rear

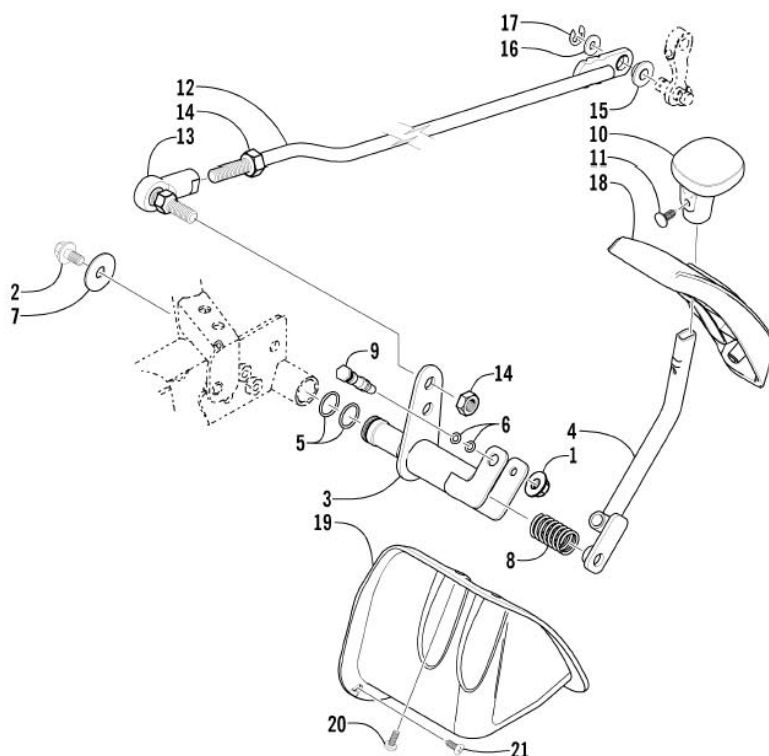


GAS TANK ASSEMBLY

0736-991

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0570-066	1	Tank, Gas - Assembly (inc. 2-10)	8	0423-152	2	● Clamp, Hose - Spring
2	0470-438	1	● Cap, Gas Tank (inc. 3)	9	0470-445	1	● Valve, Fuel Shut-Off (inc. 10)
3	0109-733	1	● Gasket, Tank Cap	10	0470-364	1	● Gasket, Fuel Shut-Off Valve
4	0570-086	1	● Gauge, Fuel w/Gasket (Press-Fit)	11	0470-408	1	Knob, Fuel Shut-Off Valve
5	0423-398	2	● Nut, Lock	12	0423-146	1	Screw, Fuel Shut-Off Valve Knob
6	0470-416	1	● Hose, Vent	13	0423-130	2	Screw, Gas Tank
7	0610-007	AR	● Hose, Gasline - 25 ft				

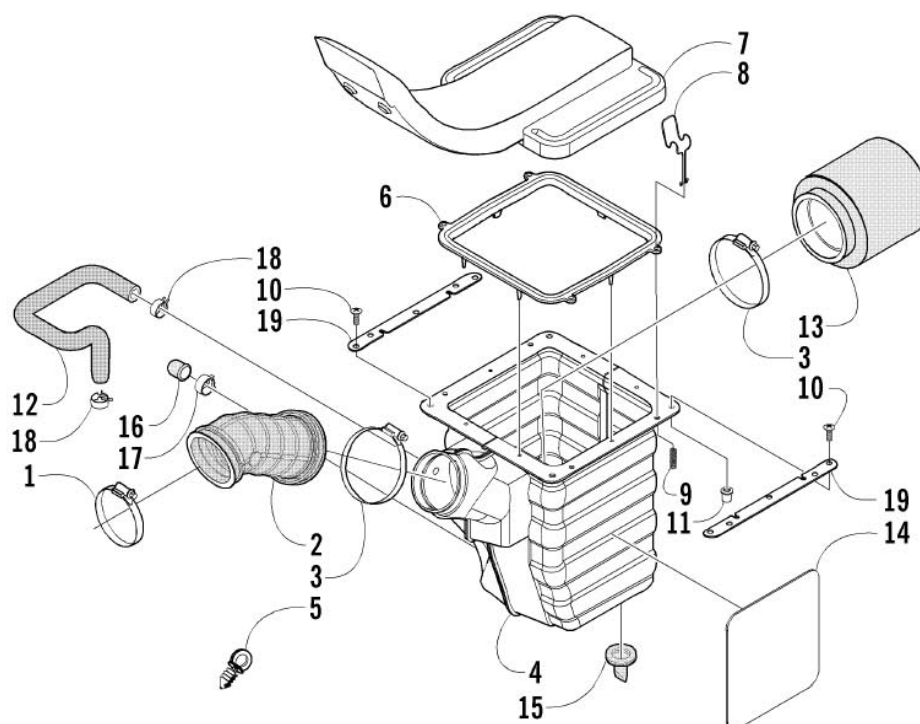
2004 ATV 500 TBX



REVERSE SHIFT LEVER ASSEMBLY

0737-070

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	8424-602	1	Nut	12	0502-146	1	Linkage, Shift
2	8408-812	1	Screw, Cap	13	0402-844	1	End, Rod
3	0502-187	1	Axle, Reverse Shift Lever	14	0623-294	2	Nut
4	0502-185	1	Lever, Reverse Shift	15	0423-091	1	Bushing, Shift Linkage
5	0423-299	2	O-Ring	16	8050-242	1	Washer
6	0423-182	2	O-Ring	17	0423-169	1	E-Ring
7	0423-087	1	Washer	18	0402-685	1	Plate, Shift
8	0502-410	1	Spring, Reverse Shift Lever	19	0406-943	1	Shield, Linkage
9	0402-675	1	Axle, Pivot	20	0423-371	3	Screw, Machine
10	0402-843	1	Handle, Reverse Shift Lever	21	0623-309	1	Screw, Self-Tapping
11	0423-345	1	Clip, Push				

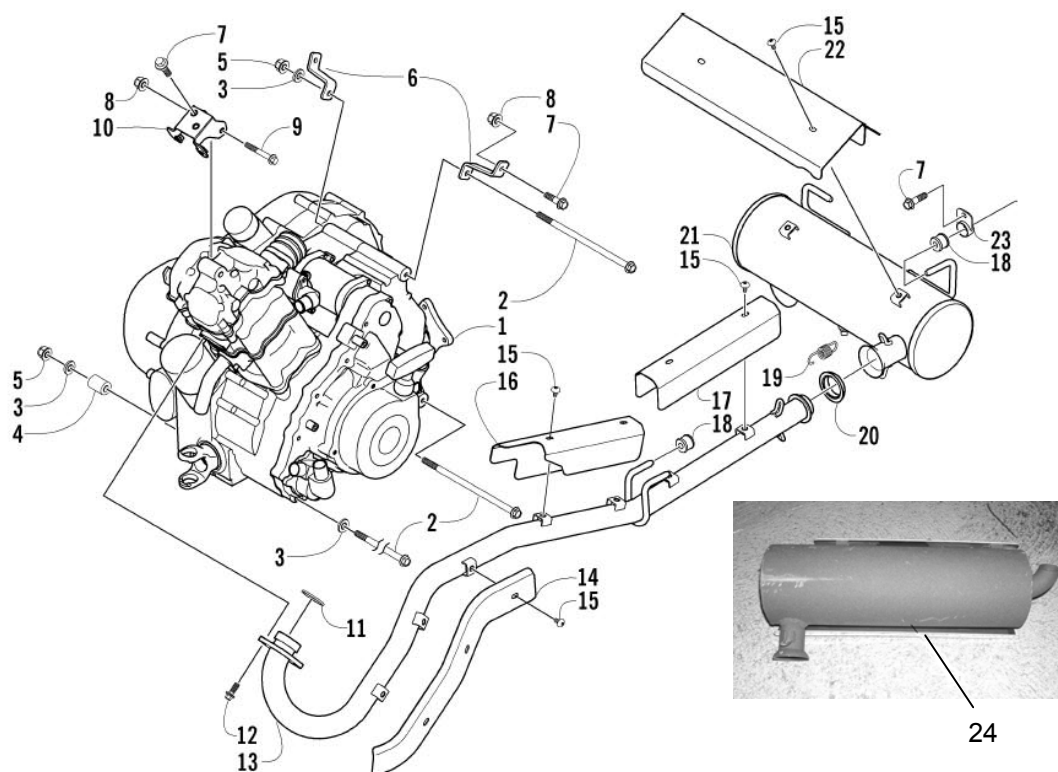


AIR INTAKE ASSEMBLY

0736-950

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0423-019	1	Clamp	11	0123-010	4	Nut, Expansion
2	0470-455	1	Boot, Air Intake	12	0410-045	1	Hose, Crankcase Vent
3	0423-018	2	Clamp	13	0470-460	1	Filter, Air
4	0470-446	1	Housing, Air Intake	14	0412-141	1	Shield, Heat
5	0623-101	1	Clip, Retaining	15	0470-442	1	Valve, Drain
6	0470-343	1	Gasket	16	1673-272	1	Cap, Drain Tube
7	0470-459	1	Snorkel	17	0423-047	1	Clamp, Hose
8	0470-307	4	Clamp	18	0423-045	2	Clamp, Hose - Spring
9	0423-037	4	Spring	19	0470-351	2	Support, Air Intake Flange
10	0623-121	4	Screw, Machine				

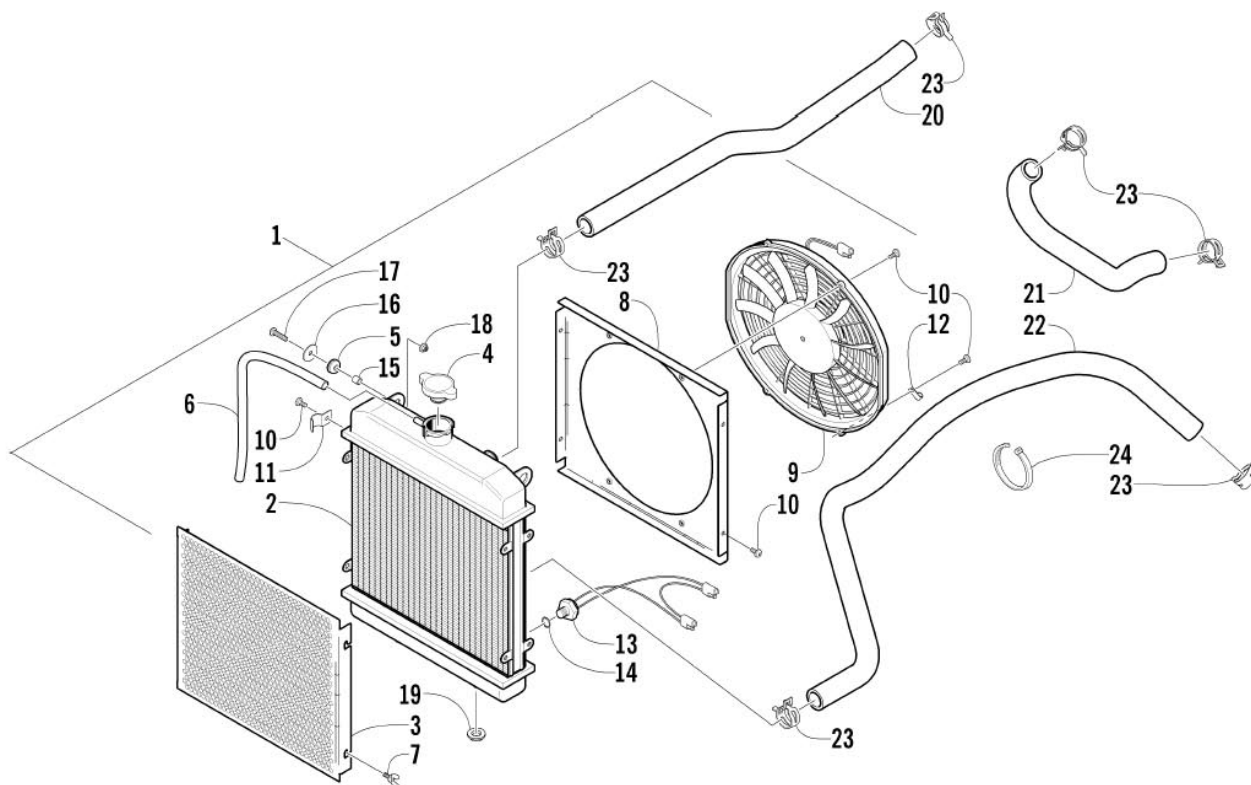
2004 ATV 500 TBX



ENGINE AND EXHAUST

0738-487

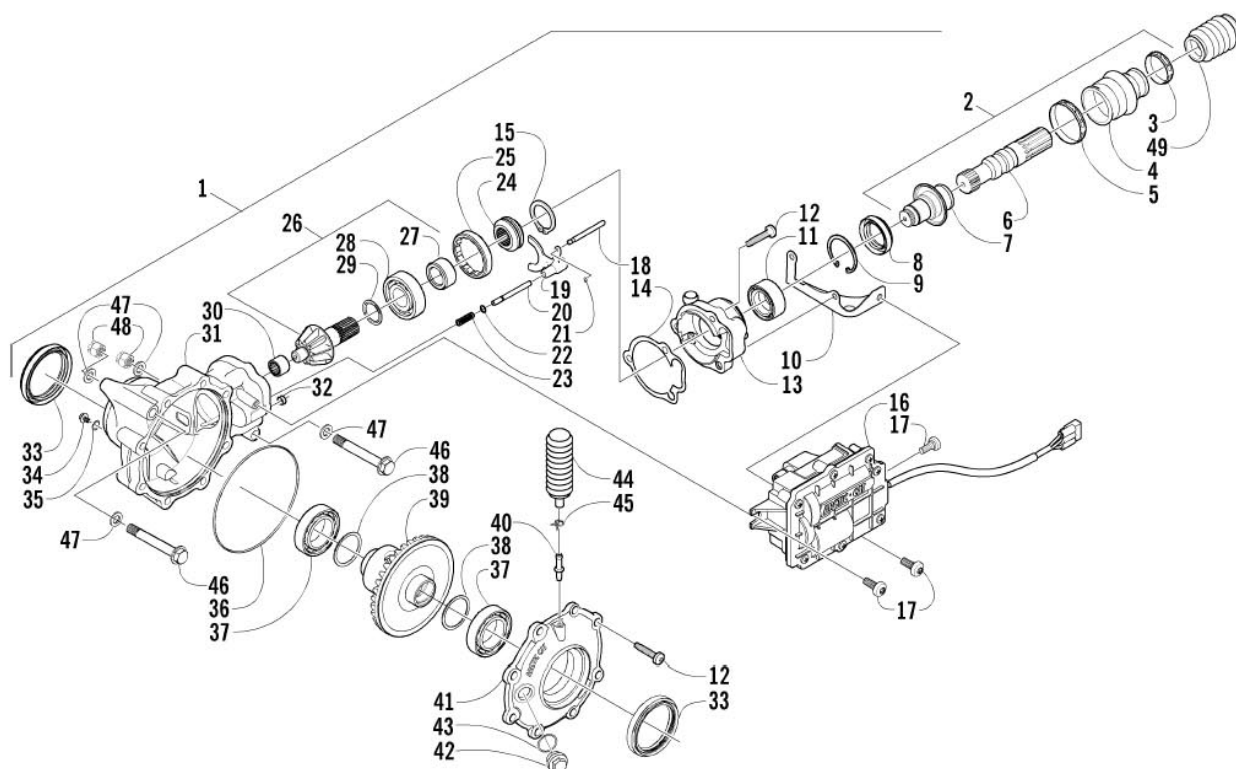
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0462-030</u>	1	Engine	12	8408-820	2	Screw, Cap
2	<u>0423-405</u>	3	Screw, Cap	13	<u>0512-143</u>	1	Pipe, Exhaust
3	<u>0423-426</u>	4	Washer, Engine	14	<u>0412-189</u>	1	Cover, Exhaust - Front
4	<u>0423-042</u>	2	Spacer, Engine	15	<u>8477-610</u>	11	Screw, Machine
5	<u>8428-002</u>	3	Nut, Lock	16	<u>0412-224</u>	1	Cover, Exhaust - Middle
6	<u>1506-203</u>	1	Bracket, Engine - Right	17	<u>0412-225</u>	1	Cover, Exhaust - Rear
	<u>1506-204</u>	1	Bracket, Engine - Left	18	<u>0412-215</u>	1	Bushing, Exhaust
7	<u>8408-816</u>	5	Screw, Cap	19	<u>0612-668</u>	2	Spring, Exhaust
8	<u>8424-802</u>	3	Nut	20	<u>0612-188</u>	1	Gasket, Exhaust
9	<u>8408-860</u>	1	Screw, Cap	21	<u>0512-141</u>	1	Muffler
10	<u>0506-546</u>	1	Bracket, Engine - Upper	22	<u>0412-229</u>	1	Cover, Muffler
11	<u>0412-007</u>	1	Seal, Exhaust	23	<u>1506-184</u>	1	Bracket, Exhaust
Homologated ATV's							
24	AC000-178	1	Exhaust				



COOLING ASSEMBLY

0736-969

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0413-038	1	Radiator Assembly (inc. 2-15)	13	0413-045	1	● Sender, Temperature - Coolant
2	0413-043	1	● Radiator	14	0423-390	1	● O-Ring
3	0413-007	1	● Screen, Radiator	15	0423-036	2	● Collar
4	0413-002	1	● Cap, Radiator	16	0623-184	2	Washer
5	0423-030	2	● Grommet	17	8476-625	2	Screw, Cap
6	0610-016	AR	● Hose - 25 ft	18	0623-038	2	Nut w/Washer
7	0413-009	4	● Screw, Thumb	19	0423-028	2	Bushing, Stem
8	0413-046	2	● Shroud, Fan	20	0410-002	1	Hose, Coolant - Upper
9	0413-044	1	● Fan, Cooling	21	0410-022	1	Hose, Coolant - Crossover
10	8475-512	8	● Screw, Machine	22	0410-041	1	Hose, Coolant - Lower
11	0423-351	1	● Clamp, Wire	23	0423-070	6	Clamp, Hose
12	0123-397	1	● Clamp, Cable	24	0623-751	1	Cable Tie

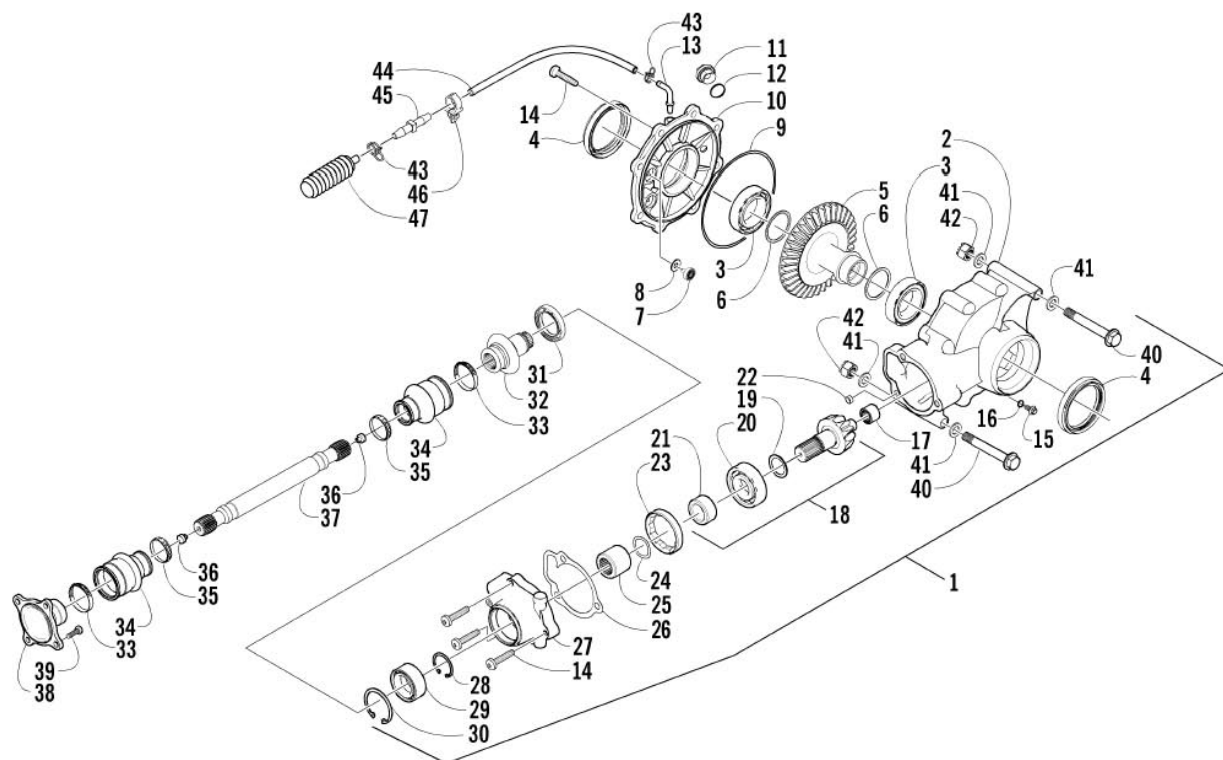


FRONT DRIVE GEARCASE ASSEMBLY

0738-388

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-474</u>	1	Gearcase, Front Drive - Assembly (inc. 2-43)	29	0402-424	AR	● Shim
2	<u>0502-385</u>	1	● Shaft, Propeller - Assembly (inc. 3-7)		0402-425	AR	● Shim
3	0423-411	1	●● Clamp, Boot		0402-426	AR	● Shim
4	0402-985	1	●● Boot, Propeller Shaft		0402-427	AR	● Shim
5	0423-393	1	●● Clamp, Boot		0402-428	AR	● Shim
6	<u>1402-045</u>	1	●● Shaft, Output	30	0402-328	1	● Bearing
7	<u>0502-407</u>	1	●● Shaft, Input	31	0502-120	1	● Housing, Gearcase
8	<u>1402-011</u>	1	● Seal	32	0402-411	1	● Pin, Dowel
9	0423-423	1	● Ring, Retaining	33	0402-394	2	● Seal
10	<u>0502-347</u>	1	● Bracket, Actuator	34	0402-450	1	● Plug, Magnetic (inc. 35)
11	<u>1402-043</u>	1	● Bearing	35	0423-153	1	●● O-Ring
12	0423-118	11	● Screw, Self-Tapping	36	0423-149	1	● O-Ring
13	<u>0502-406</u>	1	● Housing, Pinion	37	0402-393	2	● Bearing
14	0402-947	1	● Gasket, Flange	38	0402-405	AR	● Shim
15	0423-417	1	● Ring, Retaining		0402-406	AR	● Shim
16	0502-296	1	● Actuator		0402-407	AR	● Shim
17	0423-396	3	● Screw, Self-Tapping		0402-408	AR	● Shim
18	<u>0402-997</u>	1	● Shaft, Selector		0402-409	AR	● Shim
19	<u>0402-998</u>	1	● Fork, Selector	39	0502-124	1	● Gear, Ring - 36T
20	0402-417	1	● Shaft, Shuttle	40	<u>1402-104</u>	1	● Fitting
21	0423-402	1	● Ring, Retaining	41	0502-121	1	● Cover, Gearcase
22	0423-147	1	● O-Ring	42	0402-333	1	● Plug, Fill (inc. 43)
23	<u>0402-999</u>	1	● Spring, Return	43	0423-154	1	●● O-Ring
24	0402-413	1	● Coupler, Drive	44	0402-147	1	Bladder, Gearcase
25	0402-357	1	● Collar, Lock	45	0423-315	1	Clamp, Fitting
26	0502-123	1	● Gear, Pinion - Assembly - 10T (inc. 27-29)	46	0423-404	2	Screw, Cap
27	0402-336	1	●● Collar, Retaining	47	0423-426	4	Washer
28	0402-327	1	●● Bearing	48	8428-002	2	Nut, Lock
				49	0402-966	1	Boot, Shaft

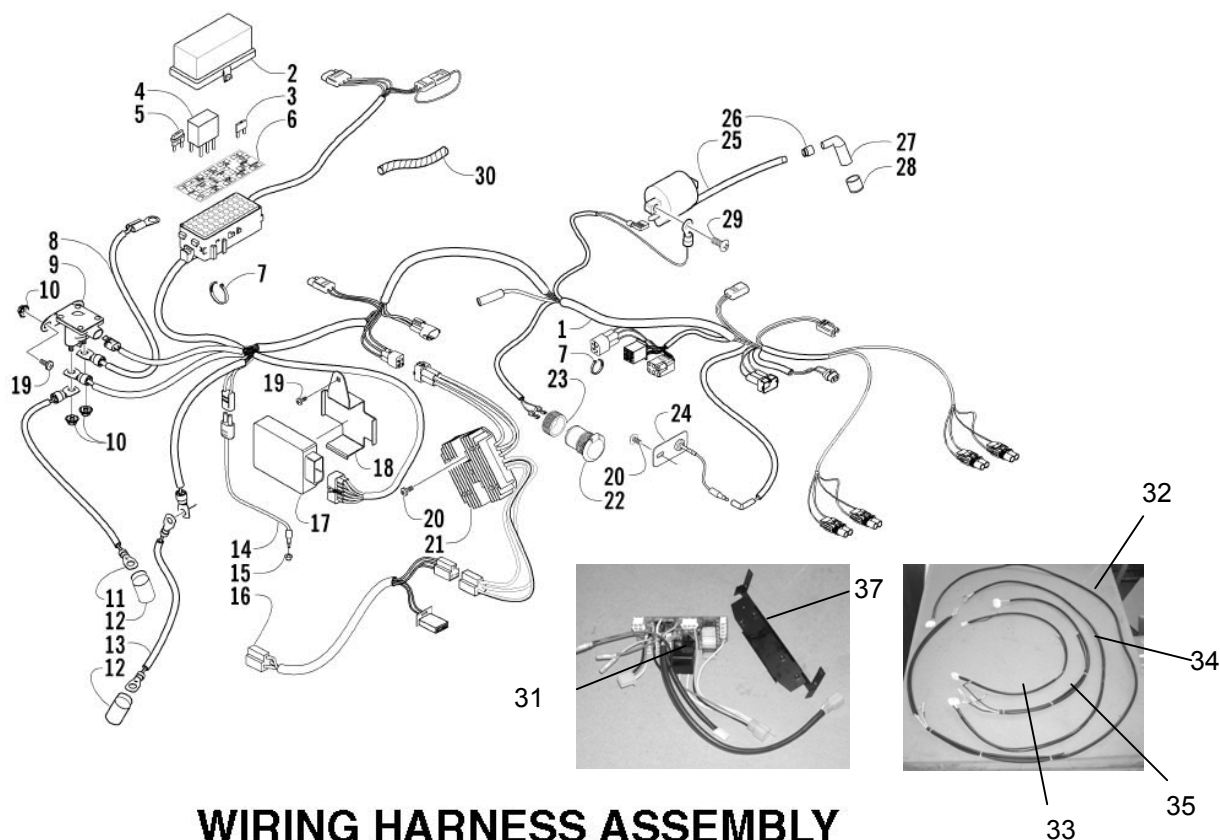
2004 ATV 500 TBX



REAR DRIVE GEARCASE ASSEMBLY

0738-506

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>0502-453</u>	1	Gearcase, Rear Drive - Assembly (inc. 2-32)	20	0402-327	1	●● Bearing
2	0502-352	1	●● Housing, Gearcase	21	0402-336	1	●● Collar, Retaining
3	0402-393	2	●● Bearing	22	0402-411	1	● Pin, Dowel
4	0402-394	2	●● Seal	23	0402-331	1	● Collar, Lock
5	0402-965	1	●● Gear, Ring - 36T	24	0402-982	1	● Washer, Wave
6	0402-405	AR	●● Shim	25	0402-981	1	● Collar, Shaft
	0402-406	AR	●● Shim	26	0402-947	1	● Gasket, Flange
	0402-407	AR	●● Shim	27	<u>0502-380</u>	1	●● Housing, Pinion
	0402-408	AR	●● Shim	28	0423-417	1	● Ring, Retaining
	0402-409	AR	●● Shim	29	<u>1402-043</u>	1	●● Bearing
7	0402-326	1	●● Button, Thrust	30	0423-423	1	●● Ring, Retaining
8	0402-429	AR	●● Shim	31	<u>1402-011</u>	1	●● Seal
	0402-430	AR	●● Shim	32	<u>0502-407</u>	1	●● Shaft, Input
	0402-431	AR	●● Shim	33	0423-393	2	Clamp, Boot
	0402-432	AR	●● Shim	34	0402-985	2	Boot
	0402-433	AR	●● Shim	35	0423-411	2	Clamp, Boot
9	0423-149	1	●● O-Ring	36	0673-618	2	Bumper, Propeller Shaft
10	0502-346	1	●● Cover, Gearcase	37	<u>1402-092</u>	1	Shaft, Propeller
11	0402-333	1	●● Plug, Fill (inc. 12)	38	0402-950	1	Flange, Output
12	0423-154	1	●● O-Ring	39	8408-820	4	Screw, Cap
13	<u>1402-102</u>	1	●● Fitting	40	0423-404	2	Screw, Cap
14	0423-118	11	●● Screw, Self-Tapping	41	0423-426	4	Washer
15	0402-450	1	●● Plug, Magnetic (inc. 16)	42	8428-002	2	Nut, Lock
16	0423-153	1	●● O-Ring	43	0423-315	3	Clamp, Fitting
17	0402-328	1	●● Bearing	44	0410-049	AR	Hose, Vent
18	0502-123	1	●● Gear, Pinion - Assembly - 10T (inc. 19-21)	45	0470-462	1	Fitting, Vent
19	0402-424	AR	●● Shim	46	0623-101	1	Clip, Routing - Snap-In
	0402-425	AR	●● Shim	47	0402-147	1	Bladder, Gearcase
	0402-426	AR	●● Shim				
	0402-427	AR	●● Shim				
	0402-428	AR	●● Shim				

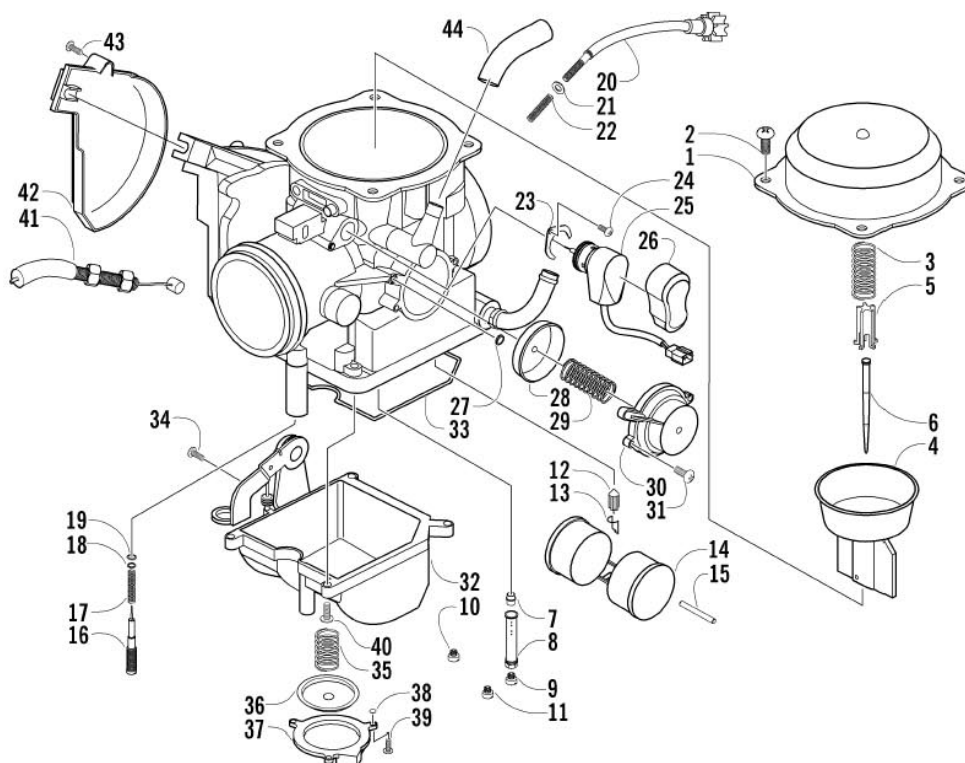


WIRING HARNESS ASSEMBLY

0738-505

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0486-124	1	Harness, Main (inc. 2-6 and two No. 7)	15	0402-991	1	Retainer, Switch
2	0530-008	1	● Cover, Fuse Block	16	0486-126	1	Harness, Adapter - Electric Choke
3	0430-034	2	● Diode	17	3530-039	1	CDI Unit
4	0430-033	2	● Relay	18	0506-987	1	Bracket, CDI
5	0430-032	5	● Fuse - 10 Amp	19	8476-616	3	Screw, Machine
	0430-031	3	● Fuse - 15 Amp	20	8476-625	3	Screw, Machine
	0430-030	2	● Fuse - 30 Amp	21	3530-028	1	Regulator, Voltage
6	0411-585	1	● Decal, Fuse Block	22	0445-022	1	Receptacle, 12V (inc. 23)
7	0123-788	AR	● Cable Tie - 7.5 in.	23	0445-034	1	● Nut, Retainer
8	0445-019	1	Cable, Solenoid/Starter	24	0509-011	1	Diode Assembly
9	0645-414	1	Solenoid	25	3430-027	1	Coil, Ignition - Assembly
10	0623-038	4	Nut w/Washer	26	3430-009	1	Seal, High Tension Wire
11	0445-003	1	Cable, Battery/Solenoid	27	3430-007	1	Cap, Spark Plug
12	0645-019	2	Boot, Terminal	28	3430-008	1	Seal, Spark Plug
13	0445-035	1	Cable, Battery/Ground	29	8476-620	1	Screw, Machine
14	0409-009	1	Switch, Brake - Assembly	30	0716-507	AR	Loom, Protective
Homologated ATV's							
31	AC000-183	1	E-box				
32	AC000-184	1	Cable harness, rear				
33	AC000-185	1	Cable harness, horn				
34	AC000-186	1	Cable harness, ignition				
35	AC000-187	2	Cable harness, headlight				
36	AC000-188	1	Bracket e-box				
37	AC000-161	1	Homologated ATV's				

2004 ATV 500 TBX

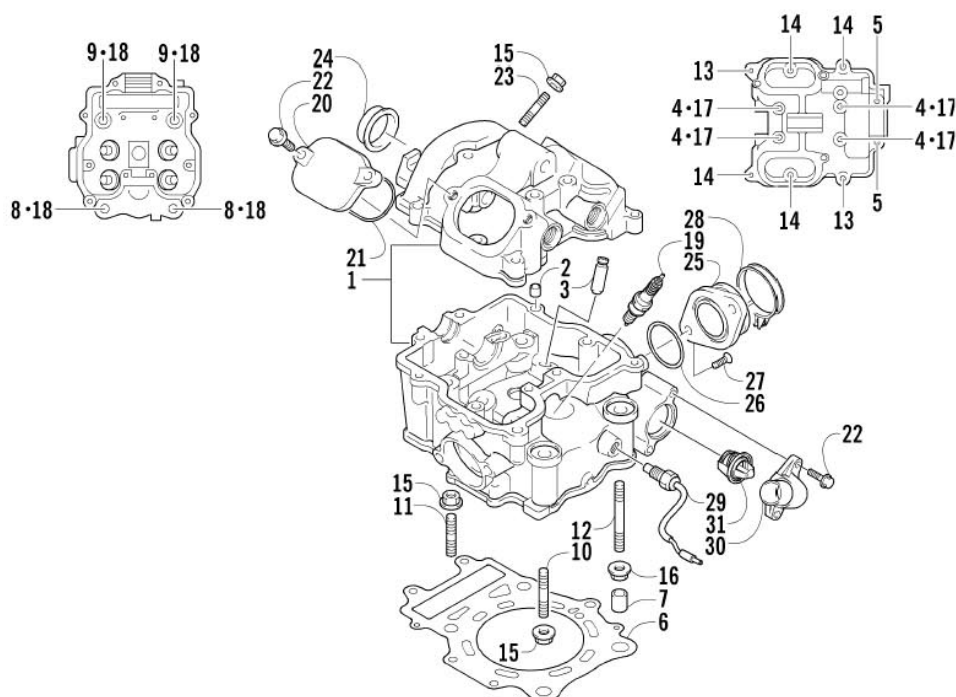


CARBURETOR

(Complete Assembly p/n 0470-471)

0738-926 *Not a Service Part **Optional

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	5507-001	1	Cover, Top	21	5507-028	1	Washer
2	5507-002	4	Screw, Top Cover	22	5507-029	1	Spring
3	5507-085	1	Spring	23	5507-115	1	Plate
4	5507-099	1	Piston, Vacuum	24	5507-117	1	Screw
5	5507-005	1	Seat, Spring	25	5507-113	1	Choke, Electric
6	5507-100	1	Jet Needle	26	5507-114	1	Cover, Electric Choke
7	5507-007	1	Needle Jet	27	5507-102	1	U-Ring
8	5507-047	1	Holder, Needle Jet	28	5507-116	1	Diaphragm Assembly
9	5507-041	1	Main Jet - 147	29	5507-104	1	Spring
	5507-086	1	Main Jet - 148**	30	5507-105	1	Cover
	5507-009	1	Main Jet - 150**	31	5507-106	2	Screw
	5507-043	1	Main Jet - 142**	32	5507-065	1	Chamber, Float - Assembly (inc. 33-39)
	5507-044	1	Main Jet - 140**	33	5507-067	1	● O-Ring, Float Chamber
10	5507-101	1	Slow Jet	34	5507-050	1	● Screw, Drain
11	5507-112	1	Starter Jet - 85	35	5507-032	1	● Spring
12	5507-107	1	Valve, Float - Set (inc. 13)	36	5507-031	1	● Diaphragm Assembly
13	*	1	● Clip	37	*	1	● Housing, Pump
14	5507-039	1	Float Set (inc. 15)	38	5507-034	1	● U-Ring
15	*	1	● Pin, Float	39	5507-035	3	● Screw
16	5507-111	1	Screw, Pilot Air - Set (inc. 17-19)	40	5507-017	4	Screw
17	*	1	● Spring	41	0487-021	1	Cable, Throttle
18	*	1	● Washer	42	5507-036	1	Cover
19	*	1	● O-Ring	43	5507-037	1	Screw
20	5507-027	1	Screw, Idle Adjust	44	0410-056	1	Hose, Vent



CYLINDER HEAD ASSEMBLY

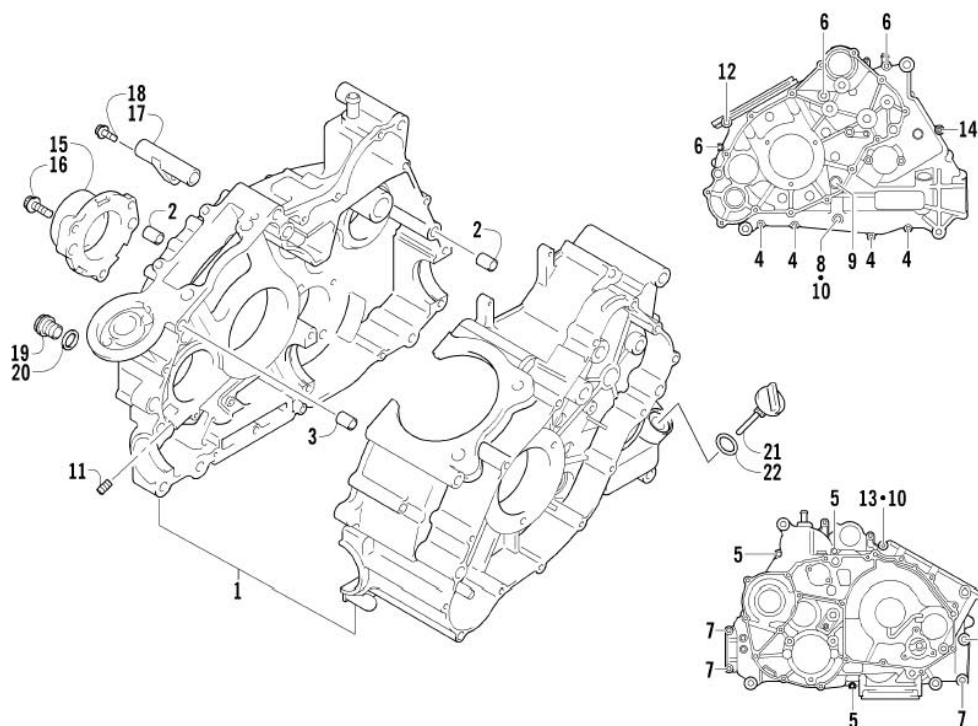
0737-755 *Not Illustrated

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	3402-099	4	● Guide, Valve	18	3402-010	4	Gasket, Head Nut
3	3423-043	2	● Pin, Dowel	19	0217-632	1	Spark Plug (NGK CR6E)
4	3423-006	4	● Screw, Cap	20	3402-100	2	Cap, Inspection
5	3008-376	2	● Screw, Cap	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	Pipe, Intake - Assembly (inc. 26)
10	3423-089	2	Bolt, Stud	26	3423-353	1	● O-Ring
11	3423-087	2	Bolt, Stud	27	3423-347	2	Screw, Cap
12	3423-203	1	Bolt, Stud	28	0423-317	1	Clamp
13	3423-007	2	Screw, Cap	29	3530-038	1	Switch, Water Temperature - Assembly
14	3004-376	4	Screw, Cap	30	3413-004	1	Cover, Thermostat
15	3004-488	5	Nut	31	3413-012	1	Thermostat
16	3004-326	1	Nut	*	3402-048	1	Plug, Frost

This exploded view diagram illustrates the components of a water pump assembly. The main housing (1) is shown with a mounting bracket (3) and a bolt (8) for securing it. A drive shaft (6) with a pulley is shown being inserted into the housing. A seal (7) is positioned between the shaft and the housing. A gasket (2) is shown below the housing, and a bolt (5) is used to secure it. A small cylindrical component (4) is also shown near the housing.

0732-301

26

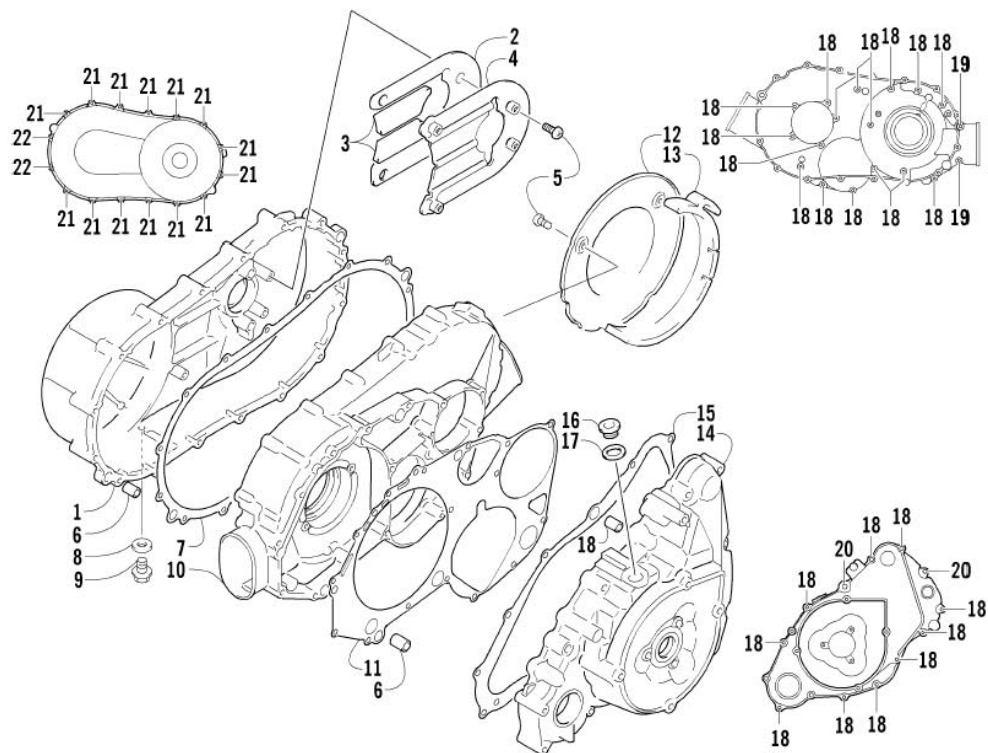


CRANKCASE ASSEMBLY

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	● Bolt
2	3423-088	4	● Pin, Dowel	13	3423-388	1	● Bolt
3	3004-822	1	● Pin, Dowel	14	3423-308	1	● Bolt
4	3423-091	4	● Bolt	15	3402-439	1	Housing, Secondary Shaft Bearing
5	3423-119	3	● Bolt	16	3423-506	3	Bolt
6	3423-092	3	● Bolt	17	3402-437	1	Pipe, Breather
7	3004-880	4	● Bolt	18	3423-389	1	Bolt, Breather Pipe
8	3005-332	1	● Bolt	19	3402-214	1	Plug, Oil Pressure
9	3423-385	1	● Bolt	20	3402-012	1	Gasket, Oil Pressure Plug
10	3402-436	2	● Gasket	21	3402-438	1	Stick, Oil Level
11	3423-386	1	● Plug	22	3423-055	1	O-Ring, Oil Level Stick

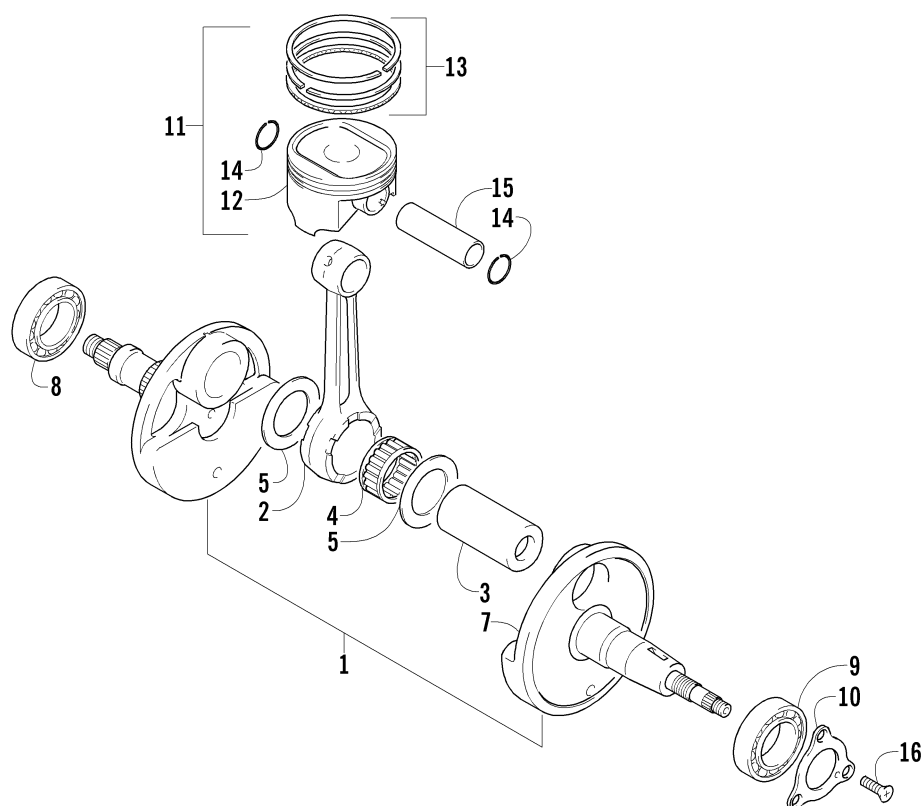
2004 ATV 500 TBX



CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

0737-759

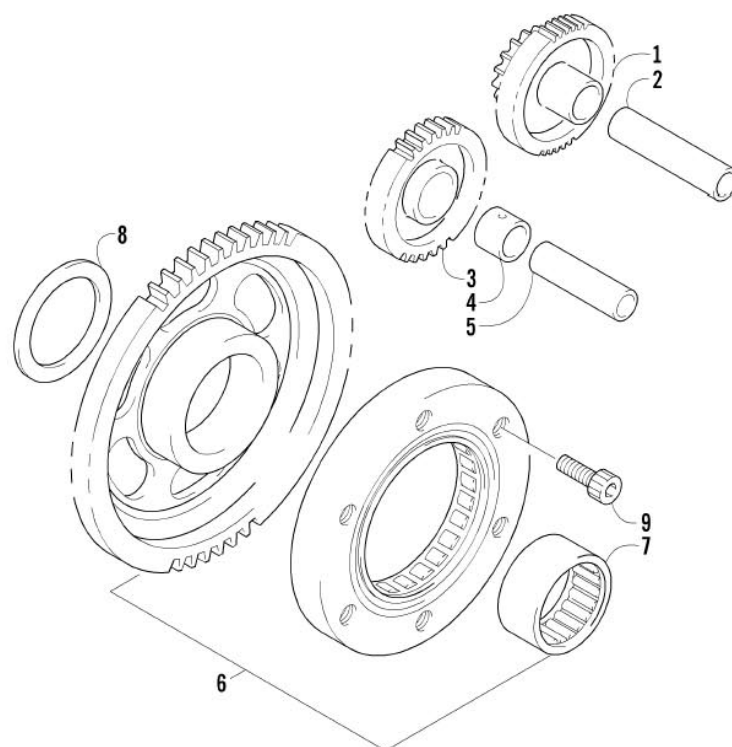
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-710	1	Cover, V-Belt	12	3402-445	1	Plate, Air Intake
2	3402-711	1	Damper, V-Belt Cover	13	3402-699	1	Cushion, Air Intake Plate
3	3402-712	2	Damper, V-Belt Cover	14	3402-714	1	Cover, Magneto
4	3402-713	1	Plate, V-Belt Cover	15	3402-715	1	Gasket, Magneto Cover
5	3423-435	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	3004-705	1	Plug, Drain	20	3004-756	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

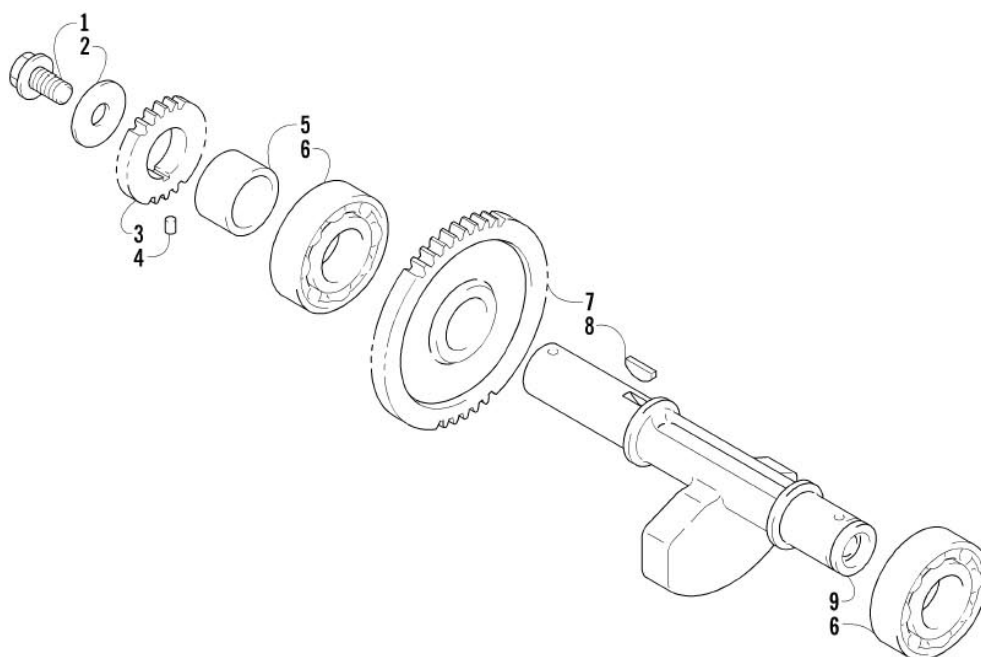
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3403-018</u>	1	Crankshaft Assembly (inc. 2-7)	9	3402-054	1	Bearing - Left
2	3402-376	1	● Rod, Connecting	10	3402-188	1	Retainer, Oil Seal - Left
3	3402-377	1	● Pin, Crank	11	3402-788	1	Piston Set (inc. 12-14)
4	3402-717	1	● Bearing	12	3402-719	1	● Piston
5	3423-351	2	● Washer	13	3402-720	1	● Ring, Piston - Set
6	<u>3402-834</u>	1	● Crankshaft - Right	14	3423-344	2	● Circlip, Piston Pin
7	3402-705	1	● Crankshaft - Left	15	3402-375	1	Pin, Piston
8	3402-058	1	Bearing - Right	16	3423-018	3	Screw



STARTER CLUTCH ASSEMBLY

0735-612

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3402-813</u>	1	Gear, Starter Idler - No. 1	6	3402-457	1	Clutch, Starter - Set (inc. 7)
2	3423-331	1	Pin	7	3402-063	1	● Bearing
3	3402-349	1	Gear, Starter Idler - No. 2	8	3423-104	1	Washer
4	3423-396	1	Spacer, Starter Idler Gear No. 2	9	3402-509	6	Screw, Cap
5	3423-397	1	Pin				

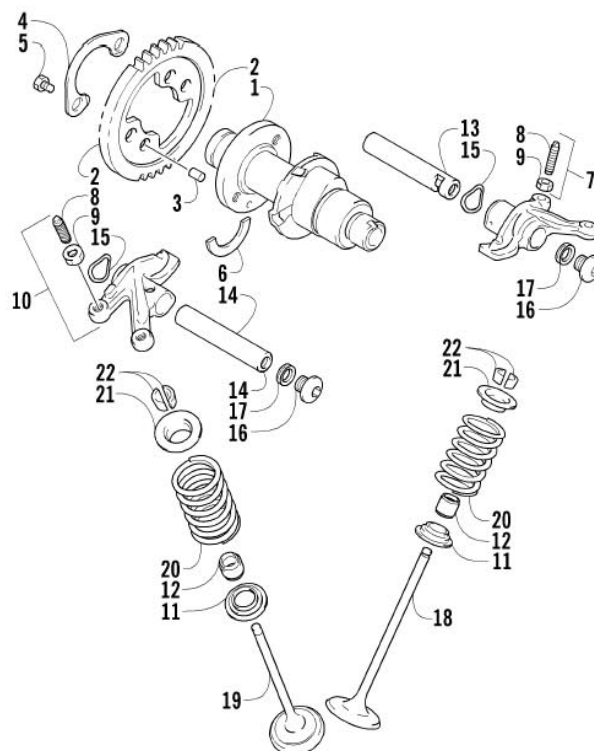


CRANK BALANCER ASSEMBLY

0737-762

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	<u>3423-555</u>	1	Bolt	6	3402-050	2	Bearing
2	3423-401	1	Washer	7	3402-722	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				

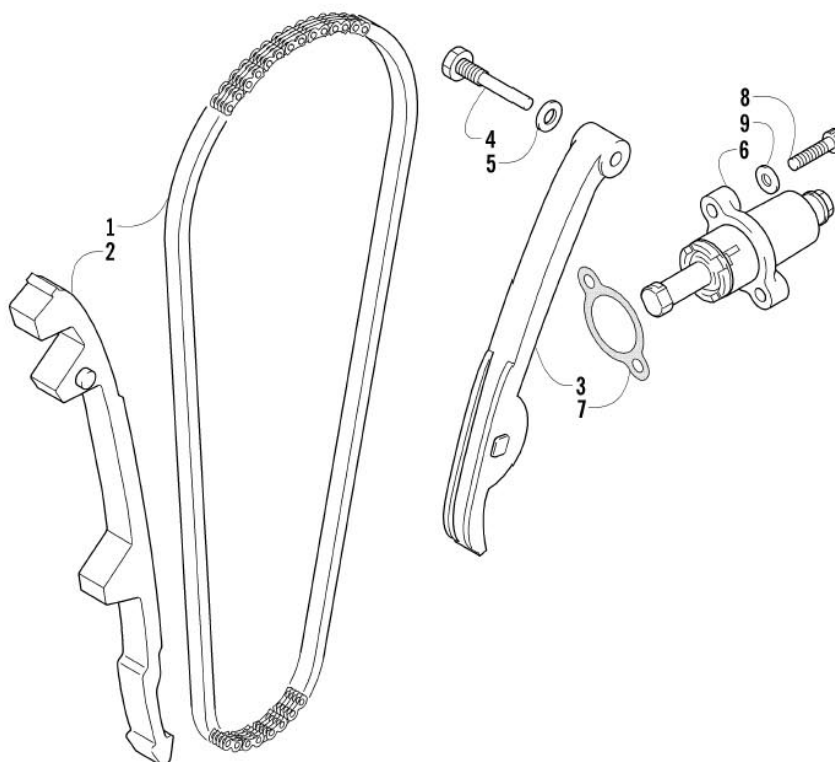
2004 ATV 500 TBX



CAMSHAFT/VALVE ASSEMBLY

0737-800

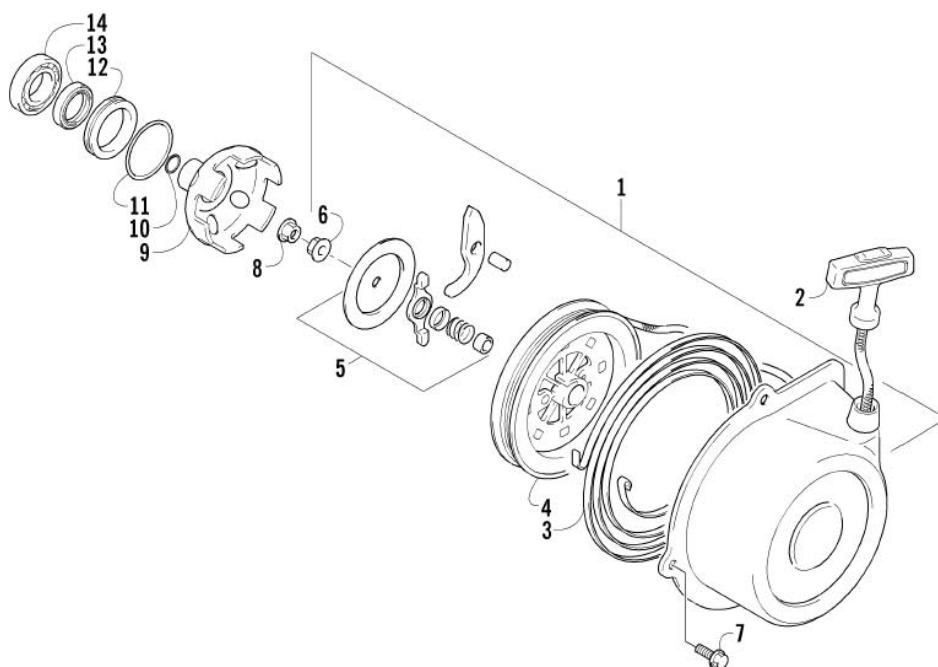
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-723	1	Camshaft	11	3402-148	4	Seat, Spring
2	3402-352	1	Sprocket	12	3402-078	4	Seal, Oil
3	3423-047	1	Pin	13	3402-140	1	Shaft, Rocker Arm
4	3423-073	1	Washer	14	3402-141	1	Shaft, Rocker Arm
5	3423-013	2	Bolt	15	3423-031	2	Washer
6	3423-071	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	● Screw	18	3402-725	2	Valve, Intake
9	3423-076	4	● 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

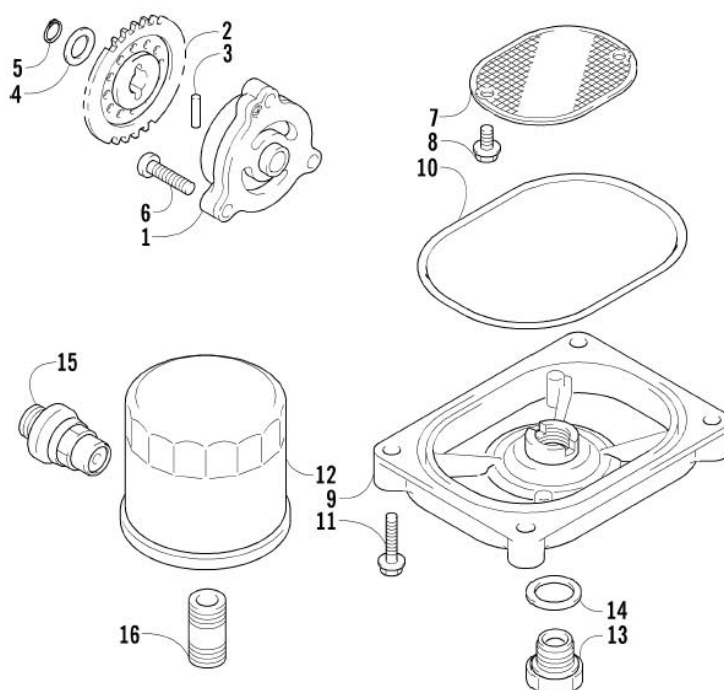
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-353	1	Chain, Cam	6	3402-136	1	Adjuster, Tensioner - Assembly
2	3402-355	1	Guide, Chain	7	3402-137	1	Gasket
3	3402-356	1	Tensioner, Chain	8	3004-475	2	Screw, Cap
4	3423-074	1	Bolt	9	3003-290	2	Gasket
5	3003-188	1	Washer				



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	3004-491	1	Nut
2	3445-011	1	● Rope Assembly	9	3445-029	1	Cup, Starter
3	3445-007	1	● Spring, Spiral	10	3423-053	1	O-Ring
4	3445-004	1	● Reel	11	3423-063	1	O-Ring
5	3445-016	1	● Ratchet Assembly	12	3402-119	1	Spacer
6	3004-488	1	● Nut	13	3402-070	1	Seal, Oil
7	3423-428	4	Screw, Cap	14	3402-051	1	Bearing

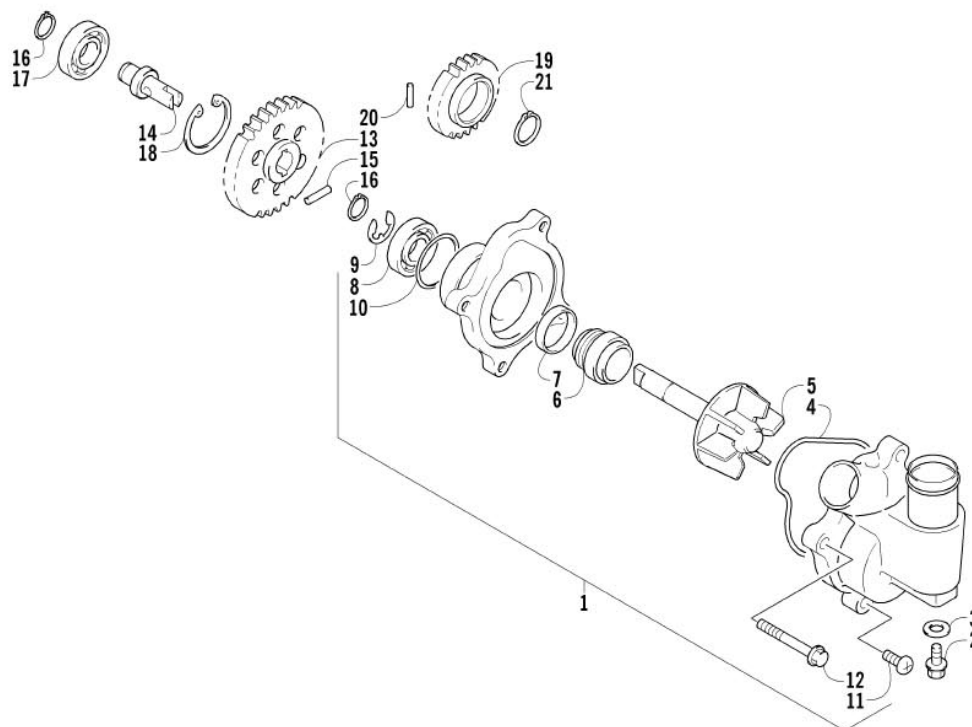


OIL FILTER/PUMP ASSEMBLY

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	3004-756	4	Screw, Cap
4	3423-443	1	Washer	12	0436-146	1	Filter, Oil
5	3423-184	1	Circlip	13	3402-036	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	3402-158	1	Union, Oil Filter

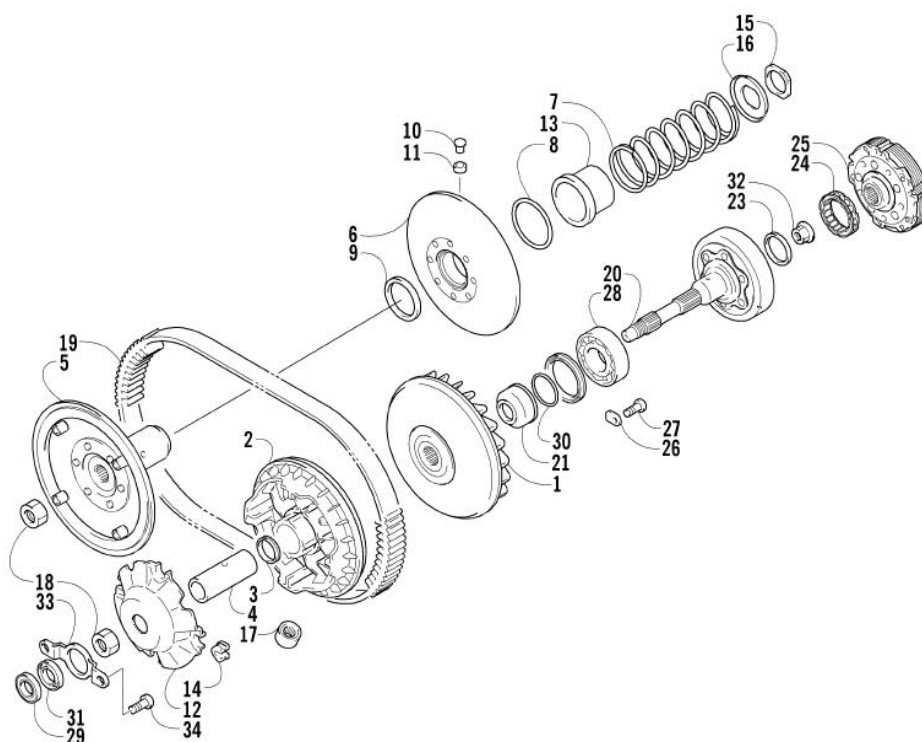
2004 ATV 500 TBX



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	● Screw, Cap	13	3402-026	1	Gear, Driven
3	3003-188	1	● Gasket	14	3402-466	1	Shaft, Driven Gear
4	3423-402	1	● O-Ring	15	3423-046	1	Pin, Driven Gear
5	3413-014	1	● Impeller/Shaft	16	3423-184	2	Circlip, Driven Gear
6	3005-909	1	● Seal, Mechanical	17	3402-467	1	Bearing, Shaft
7	3402-465	1	● Seal, Oil	18	3423-405	1	Circlip, Shaft Bearing
8	3003-615	1	● Bearing	19	3402-390	1	Gear, Water Pump Drive
9	3423-403	1	● E-Ring	20	3423-110	1	Pin, Drive Gear
10	3423-404	1	● O-Ring	21	3423-189	1	Circlip, Drive Gear
11	3003-484	2	● Screw				

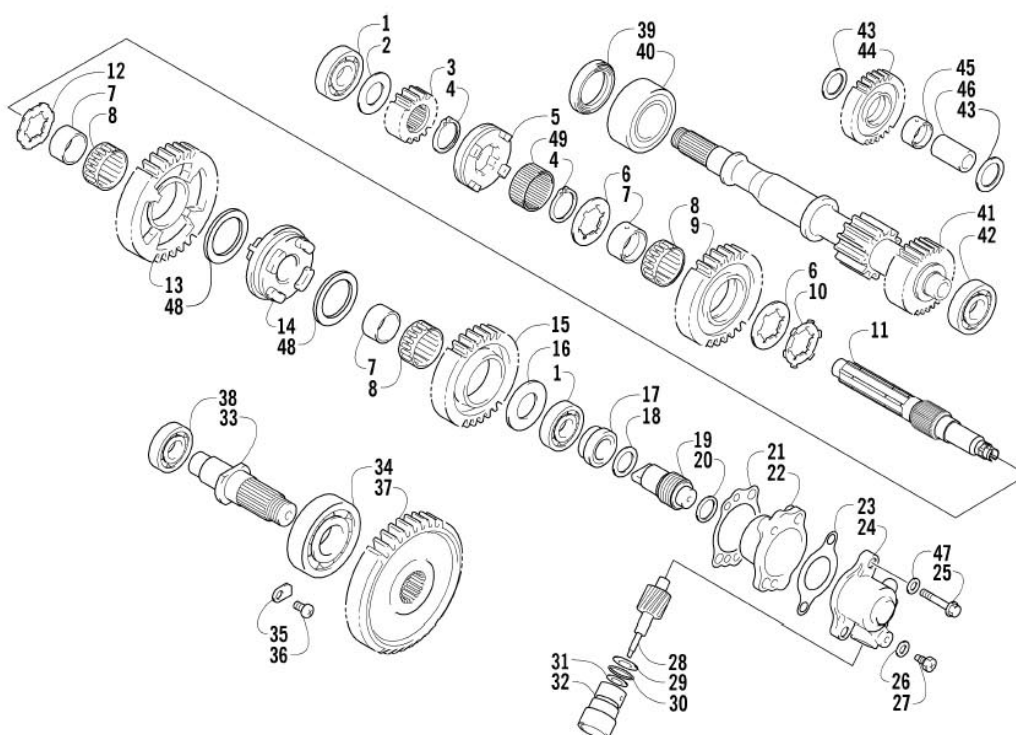


TRANSMISSION ASSEMBLY

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	<u>3402-808</u>	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	3423-435	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

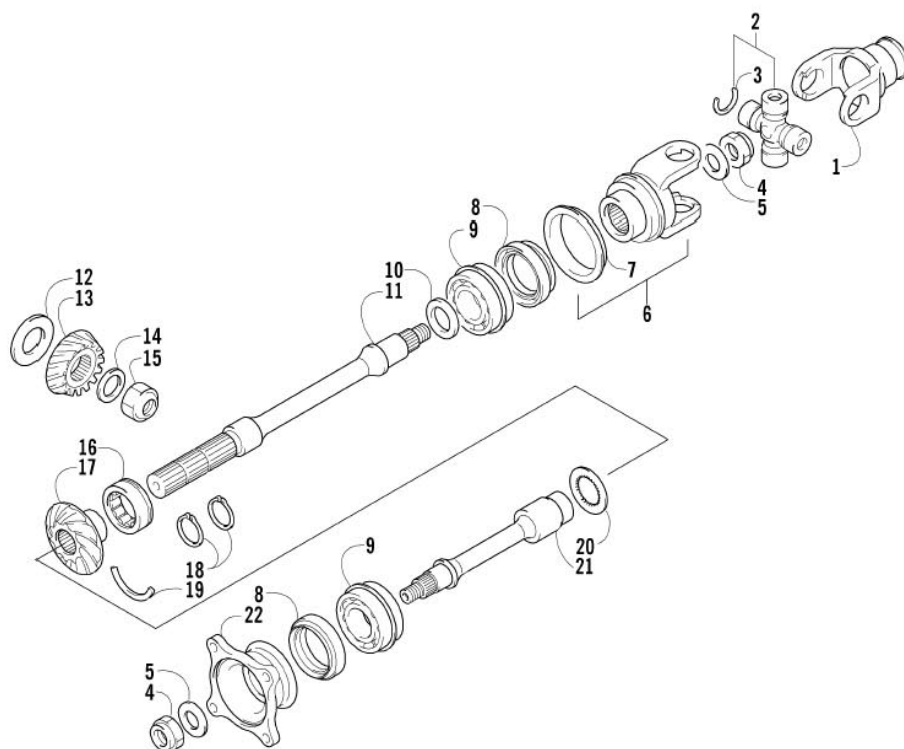
2004 ATV 500 TBX



SECONDARY TRANSMISSION ASSEMBLY

0738-592

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-045	2	Bearing, Shaft	26	3402-009	1	Washer, Driven Gear
2	3402-381	1	Washer, Drive Gear No. 2 - Right	27	3423-143	1	Screw, Driven Gear
3	3402-497	1	Gear, Drive - No. 2	28	3402-509	1	Gear, Speedometer Driven
4	3423-066	2	Circlip	29	3423-144	1	Washer, Driven Gear
5	3402-821	1	Dog, Reverse Driven Gear	30	3423-056	1	O-Ring
6	3423-263	2	Washer	31	3402-077	1	Seal, Driven Gear
7	3402-494	3	Bushing	32	3446-058	1	Sleeve
8	3402-498	3	Bearing	33	<u>3402-835</u>	1	Shaft, Output
9	3402-822	1	Gear, Reverse Driven	34	3402-502	1	Bearing, Output Shaft
10	3423-266	1	Washer, Lock	35	3446-031	2	Retainer, Bearing
11	3402-820	1	Countershaft	36	3423-435	2	Screw, Bearing Retainer
12	3423-262	1	Washer, Lock	37	3402-534	1	Gear, Driven - No. 2
13	3402-668	1	Gear, Driven - Low	38	3402-735	1	Bearing, Shaft
14	3402-824	1	Dog, Sliding	39	3402-537	1	Seal, Driveshaft - Left
15	3402-733	1	Gear, Driven - High	40	3402-499	1	Bearing, Driveshaft - Right
16	3423-412	1	Washer, Drive Gear - Left	41	3402-731	1	Driveshaft
17	<u>1406-217</u>	1	Spacer, Driven Gear	42	3003-261	1	Bearing, Driveshaft - Left
18	3423-146	1	Washer, Drive Gear - Center	43	3402-195	2	Washer, Reverse Idle Gear
19	3402-508	1	Gear, Speedometer Drive	44	3402-503	1	Gear, Reverse Idle
20	3423-145	1	Washer, Drive Gear - Right	45	3446-103	1	Bushing, Reverse Idle Gear
21	3446-289	1	Gasket	46	3402-507	1	Shaft, Reverse Idle
22	3446-288	1	Joint, Speedometer Gear	47	3003-290	2	Gasket
23	3446-244	1	Gasket	48	3423-554	2	Washer, Driven Gear
24	3446-057	1	Housing, Speedometer Gear	49	3402-825	1	Spacer, Reverse Driven Gear
25	3423-307	2	Bolt, Housing				

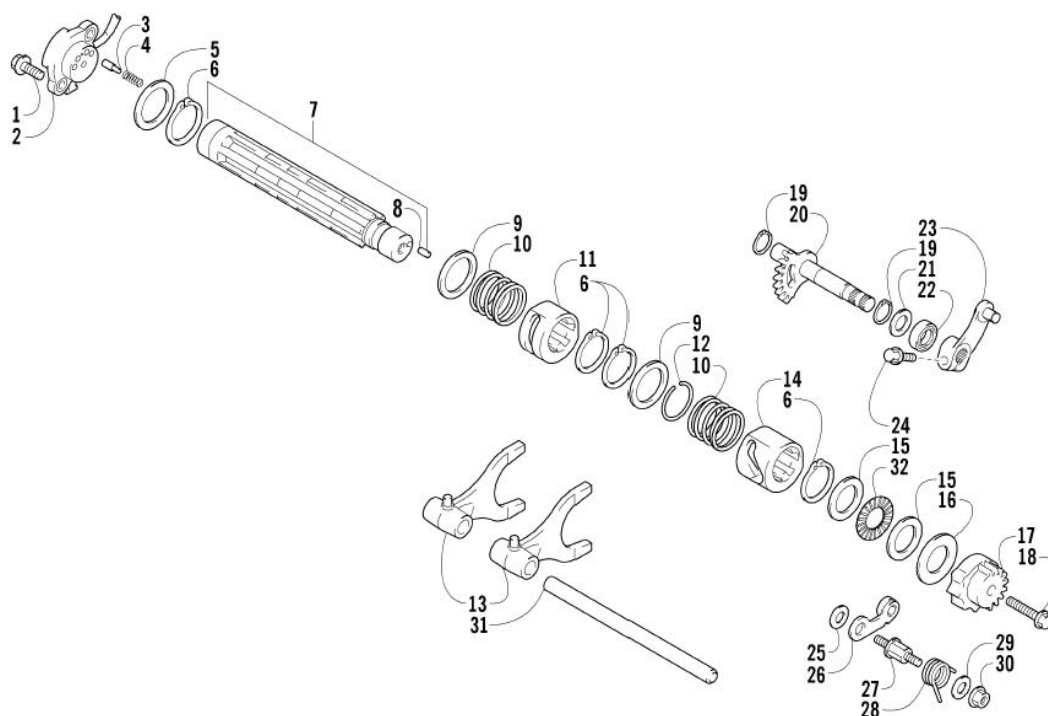


SECONDARY DRIVE ASSEMBLY

0738-922

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3402-744	1	Yoke, Propeller Shaft Joint	11	3402-740	1	Shaft, Secondary Driven - Front
2	3402-562	1	Joint, Universal - Set (inc. 3)	12	3446-035	1	Shim, Secondary Drive Gear - Set
3	3423-479	4	● 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	● 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	3402-067	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				
	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				

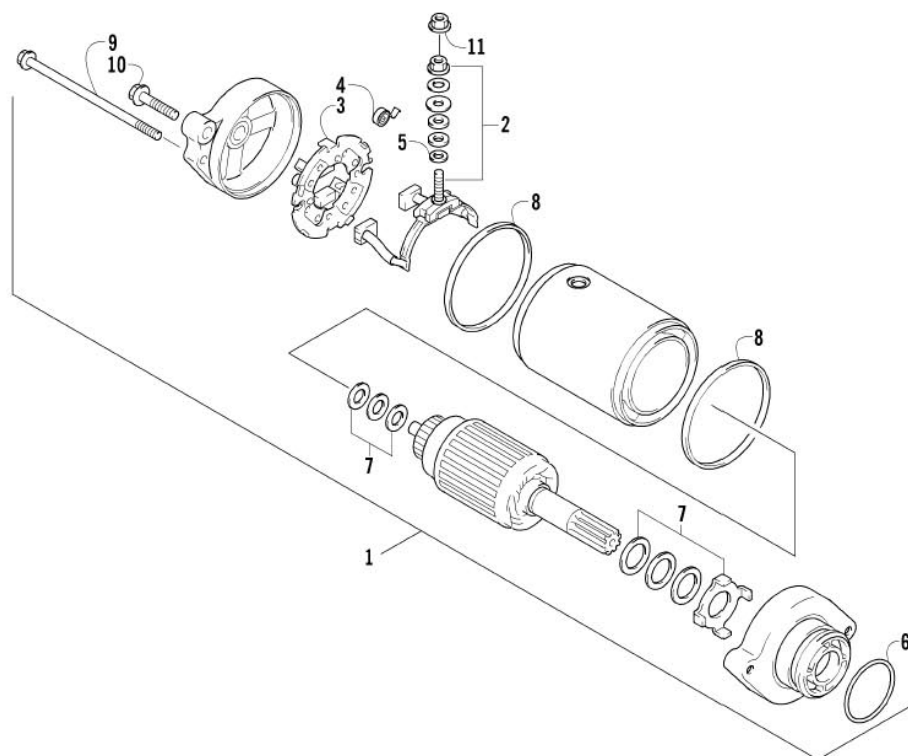
2004 ATV 500 TBX



GEAR SHIFTING ASSEMBLY

0737-777

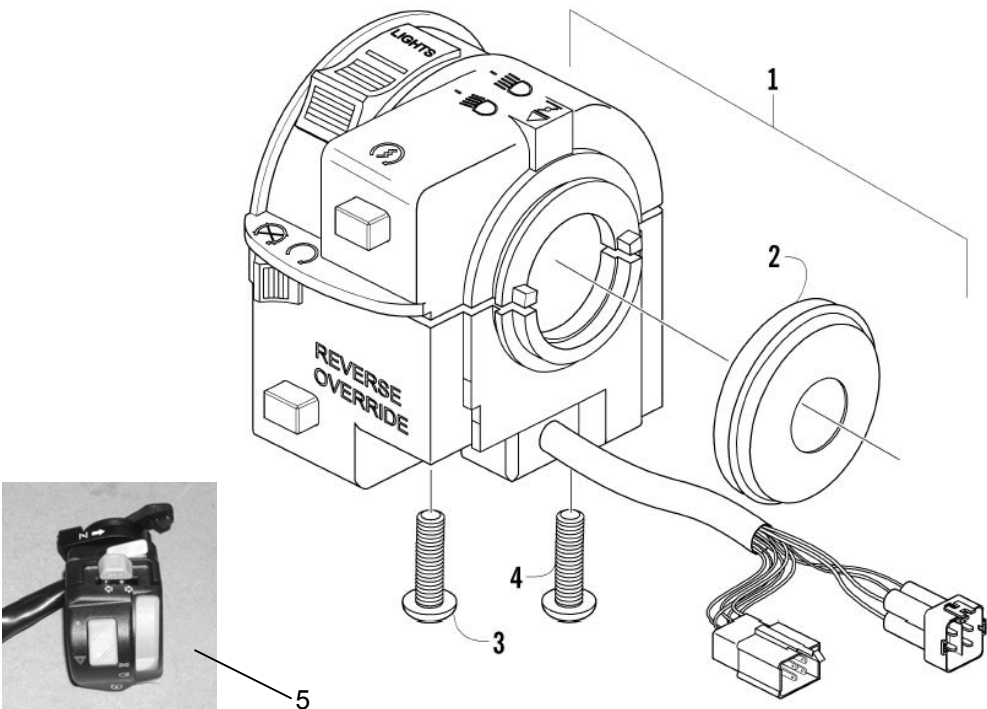
Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	3423-418	2	Bolt	17	3402-642	1	Plate, Gear Shift Cam
2	3530-042	1	Base, Gear Shift - Assembly	18	3004-376	1	Bolt, Gear Shift Cam Plate
3	3423-044	2	Contact	19	3423-358	2	Circlip, Sub-Gear Shift Shaft
4	3402-087	2	Spring	20	3402-747	1	Shaft, Sub-Gear Shift
5	3423-421	1	Washer, Shift Shaft	21	1691-043	2	Washer, Sub-Gear Shift Shaft
6	3423-191	4	Circlip, Cam Spring	22	3402-076	1	Seal, Sub-Gear Shift Shaft
7	3402-826	1	Shaft, Gear Shift (inc. 8)	23	3402-434	1	Arm, Select
8	3423-114	1	● Pin	24	3004-341	1	Bolt, Select Arm
9	3402-382	2	Washer, Cam Spring	25	3423-141	1	Washer, Cam Stopper
10	3446-280	2	Spring, Cam	26	3402-746	2	Stopper, Cam
11	3402-827	1	Cam, Reverse	27	3446-048	1	Support, Cam Stopper
12	3423-416	1	C-Ring, Cam	28	3423-511	1	Spring, Cam Stopper
13	3446-353	2	Fork, Shift	29	3423-438	2	Washer, Cam Stopper Spring
14	3402-828	1	Cam, Gear Shift	30	3004-488	1	Nut, Cam Stopper Spring
15	3402-381	2	Washer, Shift Shaft	31	3446-266	1	Shaft, Shift Fork
16	3423-446	1	Washer, Gear Shift Cam Plate	32	3402-829	1	Bearing



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	● Washer Set
2	3008-094	1	● Terminal Set, Brush	8	3008-553	2	● O-Ring
3	3008-095	1	● Holder Set, Brush	9	3423-085	2	● Through-Bolt
4	3008-096	4	● Spring, Brush	10	3423-162	2	Screw, Cap
5	3008-164	1	● O-Ring	11	3423-195	1	Nut
6	3423-084	1	● O-Ring				

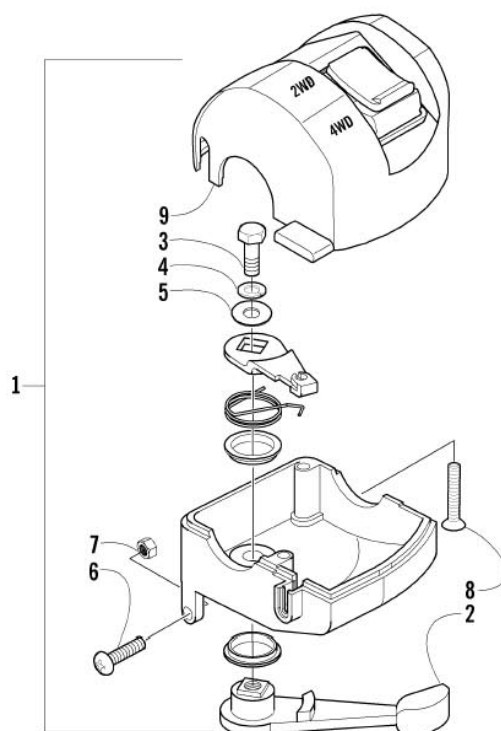


CONTROL SWITCH HOUSING ASSEMBLY

0738-459

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	0509-014	1	Switch, Control - Assembly (inc. 2-4)	3	0409-028	1	● Screw
2	3409-019	1	● Cover, Choke Lever	4	0409-027	1	● Screw, Cap
Homologated ATV's							
5	AC000-179	1	Switch, combined				

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THROTTLE CASE ASSEMBLY

0738-414

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

RELATED ITEMS

2004 ATV 500 TBX

Red - (Model No. A2004BXM4BUSR)

Green - (Model No. A2004BXM4BUSG)

0436-337	Bag, Rack, Front, Black	0436-475	Rack Basket (Front)
0436-185	Bag, Tank, Black	0436-014	Safety Flag
0436-183	Battery, Heavy Duty	0436-386	Snowplow Attachment Kit
0436-502	Brush Guard/Bumper, Deluxe	0436-228	Snowplow Blade, 50 in. - Straight
0436-454	Cargo Box	0436-287	Snowplow Blade, 50 in. - One-Way
0436-516	Cargo Box Portable Light Mount	0436-296	Snowplow Blade, 60 in. - Straight
0436-498	Cargo Box Quick-Release Kit	0436-360	Snowplow Blade, 60 in. - One-Way
0436-485	Cargo Box Solid Mount Kit	0436-356	Snowplow, Push Frame
0436-459	Carryall (9x12)	0436-040	Spotlight, Portable
0436-460	Carryall (11x17)	0436-026	Tire Chains, Size B (24 in. and 25 in. Tires)
0436-462	Carryall (10 D)	0436-027	Tire Chains, Size C (26 in. Tires)
0436-466	Fender Box	1402-028	Tire, Titan AT589 (25x8-12, Mud & Snow)
0436-467	Gear Cradle	0402-563	Tire, Titan AT589 (25x10-12, Mud & Snow)
0436-464	Grill Cradle	0436-480	Utility Bar/Gun Rack
0411-281	Gun Scabbard	0436-068	Winch Accessories Kit
0436-438	Gun Scabbard Mount (Only)	0436-329	Winch Kit, 2500 lb
0436-352	Hand/Thumb Warmer Kit	0436-361	Winch Mounting Kit
0436-103	Hourmeter	0436-303	Windshield, Clear
2256-948	Illustrated Parts Manual	0436-301	Windshield, Clear w/Accent
0436-463	Light Bar	0436-470	Workbase (8 in.)
0436-122	Lunch Pack, Black	0436-039	Worklight, Portable
2256-937	Manuel d'utilisation (F)		
2256-934	Operator's Manual (E)		
0652-024	Paint, Metal - Black		

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

