

CW650 / TW650 / BD700

WITH 653cc SUBARU ENGINE

ALL UNITS PRE AUGUST 2009

BEFORE SERIAL NUMBER 41801



653CC 4 WHEEL DRIVE UTILITY VEHICLE

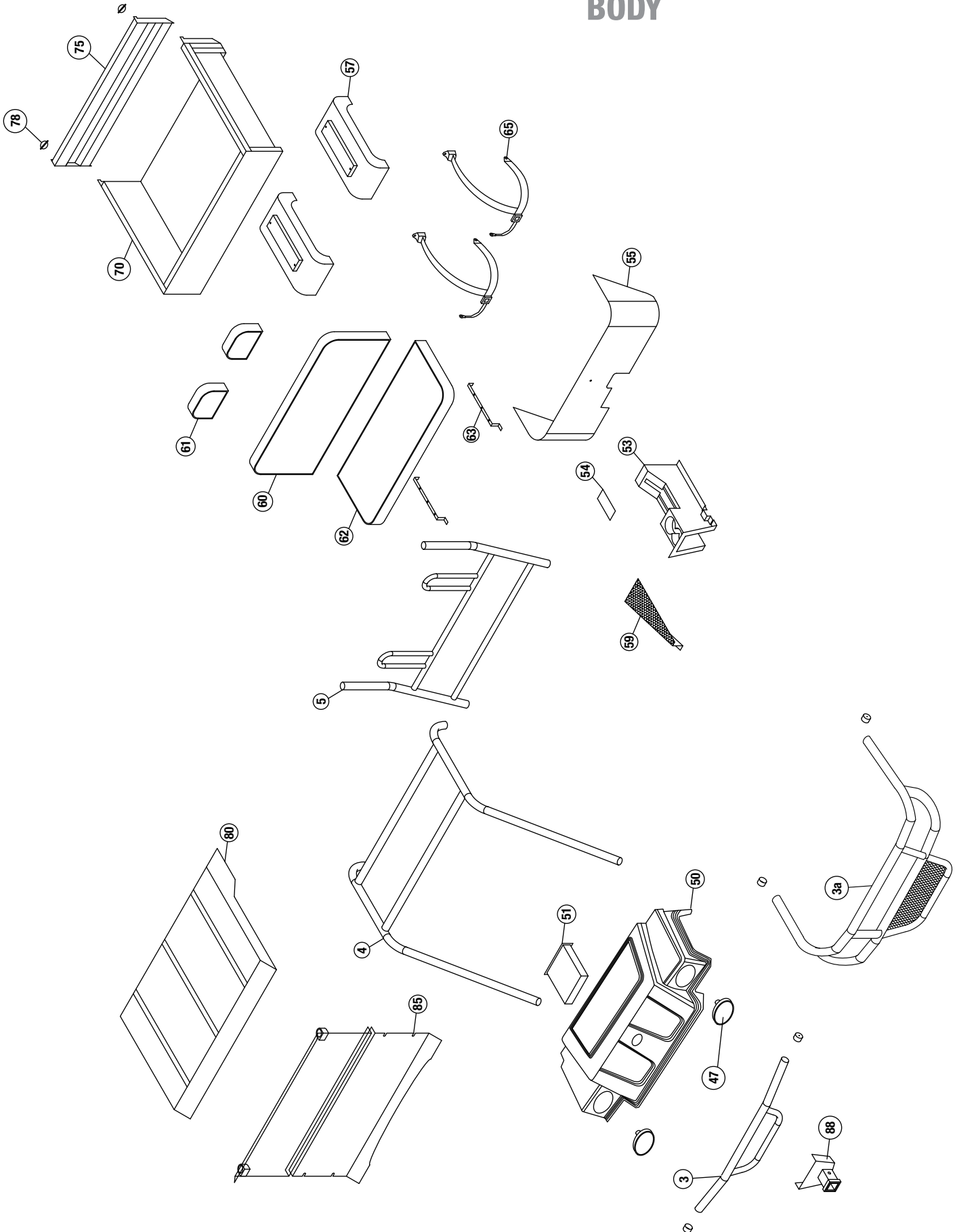
ILLUSTRATED PARTS LIST



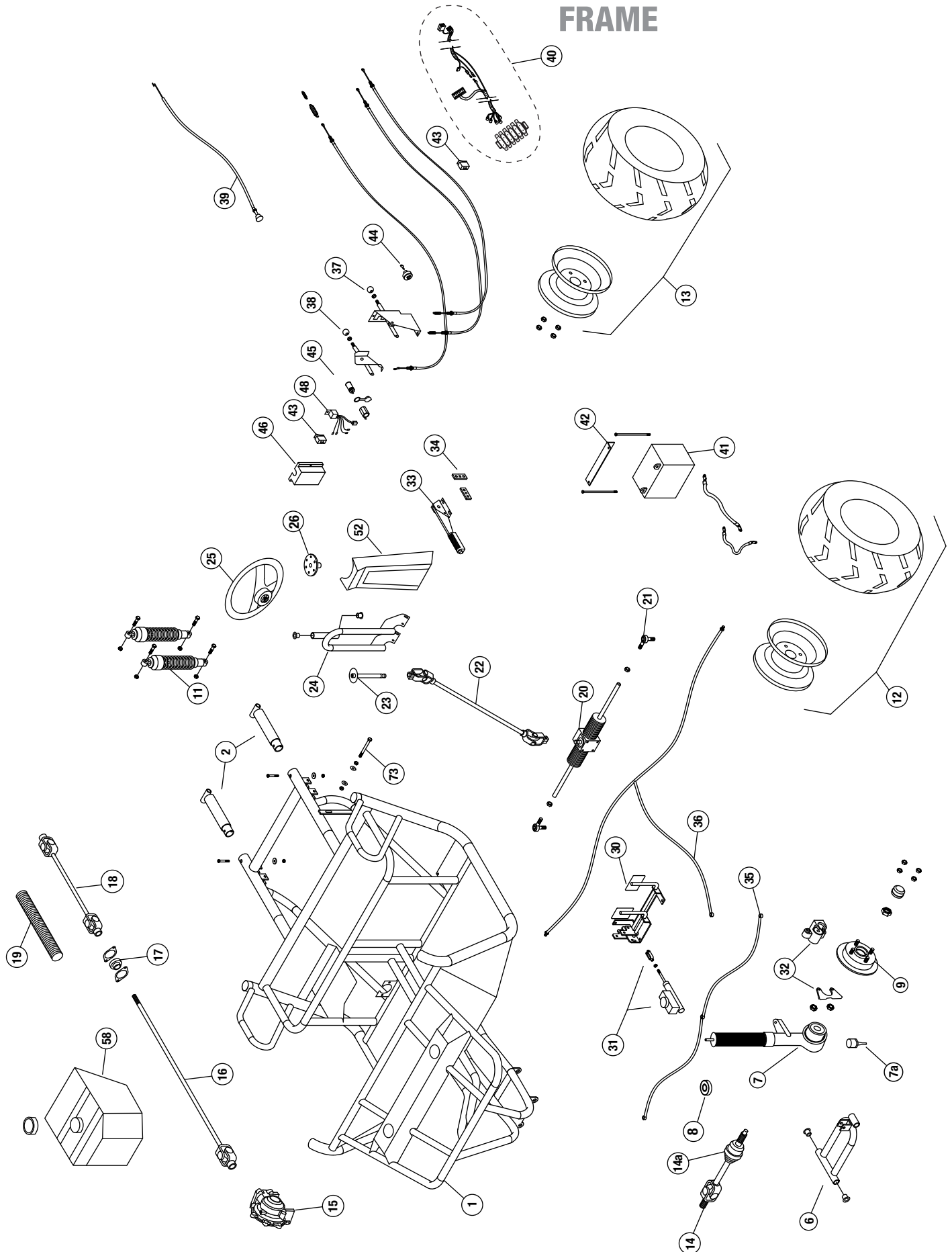
NOTE:

Some part numbers vary by serial number.
The serial number is located on a brass tag
beneath the dump bed on the driver side.

BODY

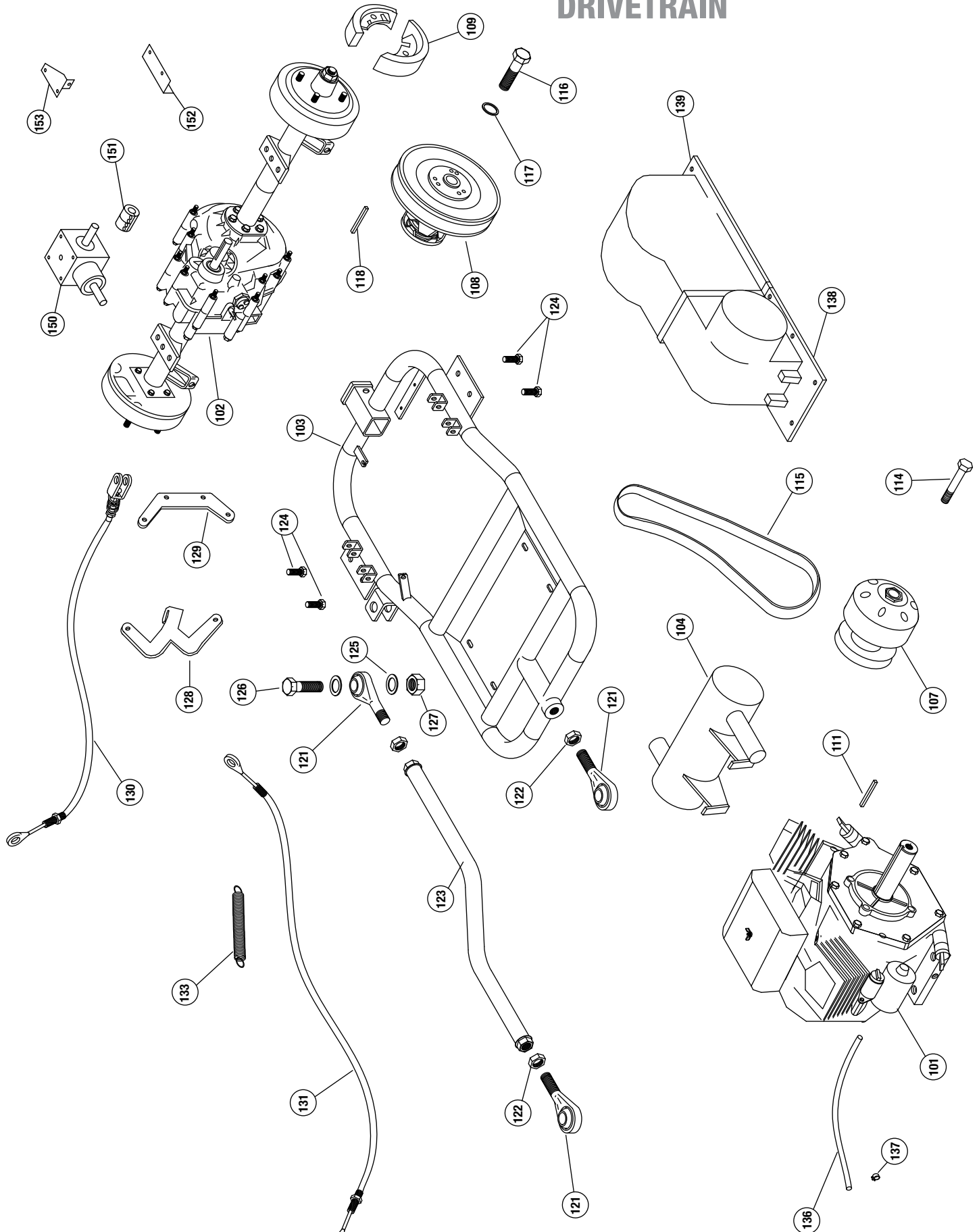


FRAME



NOTE: parts denoted as left or right hand are from driver's point of view.

DRIVETRAIN



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REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
1	-	Frame, - CW650 4x4	1
2	2-45401	Rear frame stub, CW - black	2
-	2-50206	bolt, 3/8 x 1	8
-	2-50013	nut, 3/8 keps	8
3	2-45413	straight bumper - black (Used on CW650)	1
3a	2-45466	wrap around bumper - black (Used on BD700)	1
-	2-45433	bumper - black (Used on TW650 **OBSOLETE PART** CHOOSE ONE OF THE ABOVE BUMPERS)	
-	2-50167	bolt, 5/16 x 2	4
-	2-50007	nut, 5/16 nylock	4
-	2-50702	bent washer 5/16	4
-	2-70210	Vinyl Caps 1 3/4 x 1 1/2	2
4	2-45412	brshgrd roof, CW - black	1
-	2-50168	5/16 x 2-1/4" USS Socket Head bolt	4
-	2-50007	nut, 5/16 nylock	4
-	2-50702	bent washer 5/16	4
5	2-45411	brshgrd seat back, CW - black	1
-	2-50168	5/16 x 2-1/4" USS Socket Head bolt	2
-	2-50007	nut, 5/16 nylock	2
-	2-50702	bent washer 5/16	2
6	2-43007	A-arm 4x4, CW - black	2
-	2-51102	suspension bushings	2 ea
-	2-50266	bolt, 5/8 x 9 1/2"	1 ea
-	2-50015	Nut, 5/8 nylock	1 ea
-	2-10051	spacer, 5/8	1 ea
7	2-25012	Strut assembly, left	1
-	2-25013	Strut assembly, right	1
-	2-50028	Nut, 7/16 NF jam	2
-	2-50041	Nut, 3/8 NF slotted	2
-	2-50801	cotter pin 1/8" x 1	2
7a	2-25020	replacement ball joint	2
8	2-25003	strut bearing	2
-	2-50163	bolt, 5/16 x 3/4" NC	8
-	2-50005	Nut, 5/16 keps	8
9	2-25011	Hub / 8.75" rotor 4x4	2
-	2-25018	Wheel stud, 1/2 -20 X 1 5/8"	
-	2-50040	Nut, 5/8 NF slotted	2
-	2-30621	cotter pin	2
-	2-30623	Metal Dust Cap (Front Only)	2
-	2-70209	Rubber Dust Cap (Rear Only)	2
-	2-50060	Lug nuts, 1/2"	16
11	2-70301	Shock, Heavy duty, Black/Yellow (Before Serial #52767)	6
-	2-70302	Shock, Heavy duty, Black (After Serial #52767)	
-	2-50400	Bolt, 10 mm x 40mm	6
-	2-50404	10 mm x 70mm bolt	2
-	2-50065	Nut, 10mm nylock	8
-	2-45150	spacer, shock	2
12L	2-30146	Rim/Tire Assembly, UTV 25/11-12" Left	1
12R	2-30147	Rim/Tire Assembly, UTV 25/11-12" Right	1
-	2-30481	Wheel rim, 12"	
-	2-30199	UTV 25/11-12 Tire only	

NOTE: parts denoted as left or right hand are from driver's point of view.

REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
13L	2-30146	Rim/Tire Assembly, UTV 25/11-12" Left	1
13R	2-30147	Rim/Tire Assembly, UTV 25/11-12" Right	1
-	2-30481	Wheel rim, 12"	
-	2-30199	UTV 25/11-12 Tire only	
14	2-20851	CV half shaft (axle)	2
14a	----->	CV Boot (P/N 2-20868 fits 2.5" bell / 2-20873 fits 3" bell) 1 per half shaft	
-	16175	Circlip, 24.5 x 1.6	2
-	16175	Circlip, 24.5 x 1.6	2
15	2-20839	front differential - 4x4	1
-	2-50206	Bolt, 3/8 x 1	4
-	2-50740	washer, 3/8 flat	4
-	2-50741	washer, 3/8 lock	4
16	2-25015	drive shaft, front	1
-	2-50092	bolt, 1/4 x 2"	2
-	2-50000	nut, 1/4 keps	2
17	2-25010	bearing, shaft support	1
-	2-50163	bolt, 5/16 x 3/4" NC	2
-	2-50005	Nut, 5/16 keps	2
18	2-25016	drive shaft, rear telescoping	1
-	2-50628	Screw, 1/4-20 x 1/2" square head set	1
-	2-10184	key, 3/16 x 1	3
19	2-20804	convoluted tubing	17 inch
20	2-10591	Rack & pinion with rod ends 4x4	1
-	2-50171	Bolt, 5/16 x 3 3/4" USS	4
-	2-50005	Nut, 5/16 keps	4
21	2-10589	Rod end 4x4	2
-	2-10595	Tie rod 4x4	2
-	2-10593	Rack boot	2
22	2-10592	Steering Shaft w/u-joints 4x4	1
-	2-50402	Bolt, 10mm x 30mm	1
-	2-50066	Nut, 10mm Tri Lock Jam	1
-	2-50403	Bolt, 8mm x 30mm	1
-	2-50780	Lock washer, 8mm	1
23	2-45422	Steering Stub Shaft Assembly, CW - Black	1
24	2-45400	Steering support, CW - black	1
-	2-51102	suspension bushings	2 ea
-	2-50152	bolt, 5/16 x 1	4
-	2-50005	Nut, 5/16 keps	4
25	14845	Steering Wheel (used for serial number 48598 and above)	1
-	14846	Center cap (used for serial number 48598 and above)	1
-	2-10508	Center cap (used for serial number 48598 and below)	1
-	2-10509	Steering Wheel (used for serial number 48598 and below)	1
26	2-18169	Steering Washer	1
-	2-50081	bolt, 1/4 x 1 3/4	3
-	2-50001	nut, 1/4 nylock	3
30	2-42106	Pivot Pedal Asm, Black	1
-	2-50152	bolt, 5/16 x 1	6
-	2-50081	bolt, 1/4 x 1 3/4"	1
-	2-50159	bolt, 5/16 x 1 1/2	1
-	2-50005	Nut, 5/16 keps	8

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REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
-	2-50701	Washer, 5/16 flat	2
31	2-11120	master cylinder	1
-	2-50167	bolt, 5/16 x 2	2
-	2-50005	Nut, 5/16 keps	2
-	2-50806	Clevis, 5/16 rod end	1
-	2-50077	Nut, 5/16" Hex SAE	1
32	2-11124	brake caliper (pads not included)	2
-	2-11167	brake pads (individual)	4
-	2-11168	brake pins	4
-	2-11169	brake clips	4
-	2-50826	Spacer Lock collar, 3/8	4
-	2-50217	bolt, 3/8 x 1 1/2	4
-	2-50013	nut, 3/8 keps	4
-	2-18030	caliper bracket	2
33	2-11127	Parking Brake	1
-	2-50086	Bolt, 1/4 x 1 1/4	1
-	2-50001	nut, 1/4" nylock	1
-	2-50163	bolt, 5/16 x 3/4" NC	4
-	2-50005	Nut, 5/16 keps	4
-	2-50701	Washer, 5/16 flat	4
34	2-18038	Brake spreader	2
-	2-50152	bolt, 5/16 x 1	4
-	2-50007	nut, 5/16 nylock	1
35	2-11135	Brake hose, front	1
36	2-11136	Brake hose, rear	1
37	2-11085	Shifter control assembly, black	1
-	2-11083	Knob	1
-	2-11082	Cable, shifter	2
-	2-50053	nut, #10-24 Keps nut	2
-	2-50616	screw, #10-24 X 3/4" Pan Head phillips	2
-	2-50770	Washer, #10 flat	2
38	2-11086	Differential Control Assy - 4x4 Diff Control w/ cable	1
-	2-11083	Knob	
-	2-11084	cable, diff lock	
-	2-50053	nut, #10-24 Keps nut	2
-	2-50616	screw, #10-24 X 3/4" Pan Head phillips	2
-	2-50770	Washer, #10 flat	2
-	2-50087	1/4-20 x 1" Hex Hd Bolt	1
-	2-50000	1/4" Keps Nut	2
-	2-50159	5/16-18 x 1 1/2" Hex Hd Bolt	1
-	2-50005	5/16" Keps Nut	2
39	2-11053	Choke Cable	1
40	2-70068	Wire Harness - 653cc	1
41	2-70000	Battery, U1L-8250-UTV	1
-	2-70002	Battery Cable, Red (19")	1
-	2-70010	Battery Cable, Black (27")	1
-	2-70009	Battery Terminal Cover	2
-	2-50087	bolt, 1/4" x 1	2
-	2-50000	nut, 1/4" keps	2
42	2-45414	Battery strap, CW (8 3/4") - black	1

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REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
-	2-50083	bolt, 1/4 x 7 1/2	2
-	2-50002	nut, 1/4" wing	2
43	2-70055	Light Switch / 4x4 switch	2
44	2-70058	Key Switch (keys not included)	1
-	2-70060	Key	1
45	2-70080	Accessory Plug	1
-	2-70081	Accessory Plug cap	1
46	2-18500	Terminal Block Cover - plastic	1
-	2-50625	screw, #10-24 X 1" Pan Head phillips	2
-	2-50053	nut, #10-24 Keps nut	2
47	SEE LAST PAGE FOR HEADLIGHT INFORMATION		
48	2-70019	Relay w/harness, 4x4	1
50	2-18380	Hood, plastic - 4x4 (green)	1
-	2-50620	1/4" X 1 1/4" Pan phillips Machine screw	2
-	2-50621	1/4" X 2" Pan phillips Machine screw	2
-	2-50717	1/4" SAE Flat washer	8
-	2-50001	nut, 1/4" nylock	4
-	2-50846	Clamp-Tube-vinyl coated 1-1/4"	2
51	2-18309	Glove Box	1
-	2-50624	Screw, #10 x 3/4 hex - black	5
52	2-18308	Steering Cover	1
-	2-50624	Screw, #10 x 3/4 hex - black	1
53	2-18383	Center Console 4x4	1
-	2-50624	Screw, #10 x 3/4 hex - black	14
54	2-18316	Access Cover, Center Console	1
-	2-50624	Screw, #10 x 3/4 hex - black	4
55	2-18382	Plastic, Seat Bottom wrap 4x4	1
-	2-50624	Screw, #10 x 3/4 hex - black	5
56	2-18304	Underseat storage box	1
57	2-18303	Rear Fender, Universal	2
-	2-50001	nut, 1/4 nylock	4
-	2-50091	1/4"-20 X 3/4" Carriage bolt	4
-	2-50717	1/4" SAE Flat washer	4
58	2-55069	Fuel Tank, Flambeau (used on units BEFORE serial number 58908)	1
-	2-55077	Fuel Tank, QMI (used on units AFTER serial number 58908)	1
-	15698	Clamp, 3/8 Spring Tube	1
-	2-65503	UTV, Fuel Line 3/16" black	1
-	2-55063	Elbow Fuel Inlet with #200 Mesh Screen	1
-	2-55062	Fuel Fitting Grommet	1
-	2-55073	Fuel Tank Cap (used with Flambeau fuel tank)	1
-	2-55066	Fuel Tank Cap (used on units AFTER serial number 58908 with QMI opaque fuel tank)	1
-	2-55071	Fuel Tank Straps	2
-	2-50010	Nut, 3/8 Nylock	4
-	2-50740	Washer, 3/8 Flat	4
-	2-50163	bolt, 5/16 x 3/4" NC	3
-	2-50706	Washer, 5/16 fender	3
-	2-50703	Washer, 5/16 lock	3
59	2-18033	Shaft guard	1
-	2-50163	bolt, 5/16 x 3/4" NC	3
-	2-50005	Nut, 5/16 keps	4

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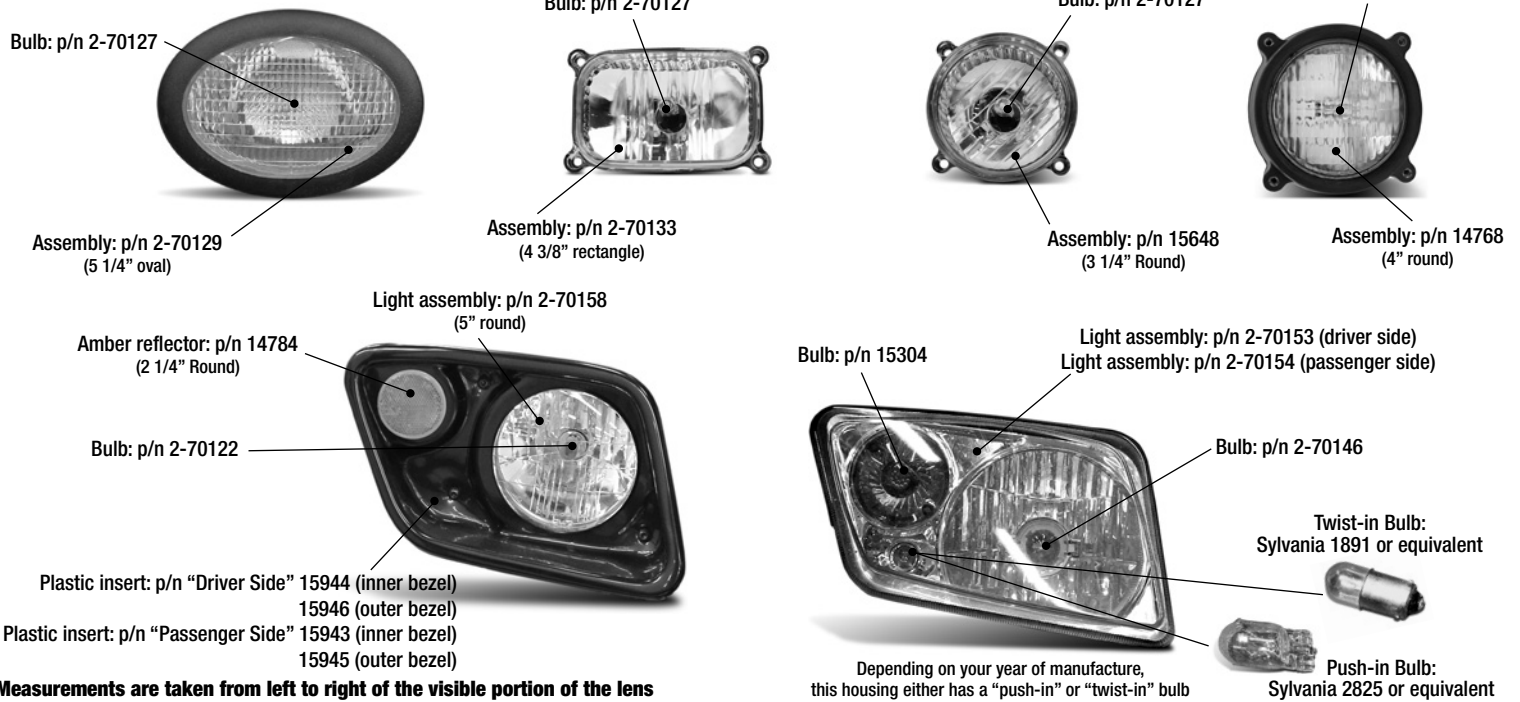
REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
-	2-50171	Bolt, 5/16 x 3 3/4" USS	1
-	2-10001	tube, 1" 14ga	1
60	2-10771	Seat back – BLACK & GREY – 43 1/2 x 17 1/2	1
60	2-10754	Seat back – BLACK – 43 1/2 x 17 1/2	1
-	2-50619	#14 X 1-3/4" Pan head-Tapping screw	6
61	2-10773	Headrest – BLACK & GREY – 9 x 6 1/2	2
61	2-10803	Headrest – BLACK – 9 x 6 1/2	2
-	2-50085	bolt, 1/4 x 1 1/2"	4
62	2-10772	Seat bottom – BLACK & GREY – 43 1/2 x 17 1/2	1
62	2-10755	Seat bottom – BLACK – 43 1/2 x 17 1/2	1
63	2-45416	seat bar, CW (17 1/2") - black	2
-	2-50609	#14 x 3/4 pan head tapping	6
65	8778	Seat Belt, 3pt Retr.	2
-	2-50025	7/16 Nylock	4
70	2-45426	Cargo Bed, green	1
-	2-50255	5/8 x 4" bolt Zinc plate	2
-	2-50015	5/8 nylock	2
73	2-50208	Bed latch bolt, 3/8 x 2 1/2"	1
-	2-50013	nut, 3/8 keps	2
-	2-50740	washer, 3/8 flat	2
75	2-45427	Tail gate, green	1
-	2-50152	bolt, 5/16 x 1	2
-	2-50701	washer, 5/16 sae	4
-	2-50007	nut, 5/16 nylock	2
-	2-70230	rubber bump stops	4
78	2-50815	1/4" Lynch Pin - tailgate latch	2
80	2-18312	Roof, green	1
-	2-50846	Clamp-Tube-vinyl coated 1-1/4"	4
-	2-50087	bolt, 1/4" x 1	4
-	2-50717	1/4" SAE Flat washer	4
-	2-50001	nut, 1/4" nylock	4
85	2-18400	Windshield - clear (FITS LO-RISE HOODS SEE BUYING GUIDE AT SHOP.AMSPORTWORKS.COM)	
-	2-18411	Windshield - clear (FITS HI-RISE HOODS SEE BUYING GUIDE AT SHOP.AMSPORTWORKS.COM)	
-	2-18403	Fastener kit, windsheild	
88	2-40729	Front reciever hitch 4x4 kit	1
-	2-50162	Bolt, 5/16 x 1-3/8 - U	4
-	2-50704	Washer, 5/16 Flat	8
-	2-50007	Nut, 5/16 Nylock	8
101	2-20017	Engine, Subaru V-Twin 653cc	1
-	2-50202	3/8-16 x 1 3/4" Hex Hd Bolt	4
-	2-50740	3/8" Flatwasher, USS	4
102	2-20833	Dana Transaxle	1
103	2-45505	Swing arm 650 4x4 - Black	1
104	2-55043	Muffler 653cc Subaru	
107	2-20644	TC, Driver Comet 780 (NO LONGER AVAILABLE - UNIT MUST SWITCH OVER TO THE CVTECH SYSTEM)	1
108	2-20645	TC, Driven Comet 780 (NO LONGER AVAILABLE - UNIT MUST SWITCH OVER TO THE CVTECH SYSTEM)	1
109	2-11173	Brake Shoes - Rear UTV – Dana "1 set for each wheel"	2
110	2-50745	1" I.D. Spacer Washer	4
111	2-10190	3/16 x 1/4 x 1-1/2" Keystock (for use with CV Tech driver pulley)	1
112	2-50742	3/8" I.D. Fender Washer	1

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REFERENCE NUMBER	PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
113	2-50741	3/8" Lock Washer	1
114	2-50219	3/8x 3" Bolt Hex Hd NF	1
115	2-20697	Belt, Comet (EX9857)	1
116	2-50244	1/2 x 1-1/2" SAE	1
117	2-50722	1/2" Lock Washer	1
118	2-10191	3/16 x 3/16 x 3-1/4" Keystock (for use with CV Tech driven pulley)	1
-	2-50157	5/16x 3/4" Bolt Hex Hd NF	2
-	2-50703	5/16" Lock Washer	2
-	2-50704	5/16" Flatwasher	2
121	2-10583	Rod End Sphcl-UTV (4681-MPM-12)	1
122	2-50021	3/4 Jam nut SAE	3
123	2-42093	Panhard bar, CW 4x4 - black	1
124	2-50206	bolt, 3/8 x 1	4
-	2-50010	3/8" Nylock Nut	4
-	2-50740	3/8" Flatwasher, USS	4
125	2-50730	3/4" Spacer Washer	6
126	2-50280	3/4 x 2.5 SAE bolt	3
127	2-50020	3/4 SAE nylock	3
128	2-18012	shifter lever, CW - black	1
-	2-50084	1/4-20 x 3/4" Hex Hd Bolt	2
-	2-50000	1/4" Keps Nut	4
129	2-18011	shifter cable mount, CW - black	1
130	2-11104	Parking Brake Cables 4x4	2
-	2-50150	5/16-18 x 1" Hex Hd Bolt	2
-	2-50007	5/16" Nylock Nut	2
131	2-11012	Throttle Cable, UTV	1
-	2-50087	1/4-20 x 1" Hex Hd Bolt	1
-	2-50000	1/4" Keps Nut	2
-	2-11804	Spring #80704 Black painted	1
133	2-11804	Spring #80704 Black painted	1
136	2-65500	fuel hose 3/16" dia - 24"	1
137	2-50849	hose clamps - small	3
138	2-18320	Belt Guard Plastic 650 UTV - Front	1
139	2-18324	Belt Guard Plastic 650 UTV - Rear	1
-	2-50624	#10 x 3/4" Blunt Point Black	7
-	2-50050	#10 Speed Nut - for Plastic	7
-	2-50770	#10 Flatwasher	7
150	2-25004	right angle gearbox	1
-	2-10184	Key, 3/16 x 1	3
151	2-20852	gearbox coupling	1
-	2-50163	bolt, 5/16 x 3/4" NC	2
-	2-50701	Washer, 5/16 flat	2
-	2-50703	Washer, 5/16 lock	2
152	2-18083	Gear Box Mount	1
153	2-18032	diff lock mount	1
-	2-50163	bolt, 5/16 x 3/4" NC	2
-	2-50701	Washer, 5/16 flat	2
-	2-50703	Washer, 5/16 lock	2

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