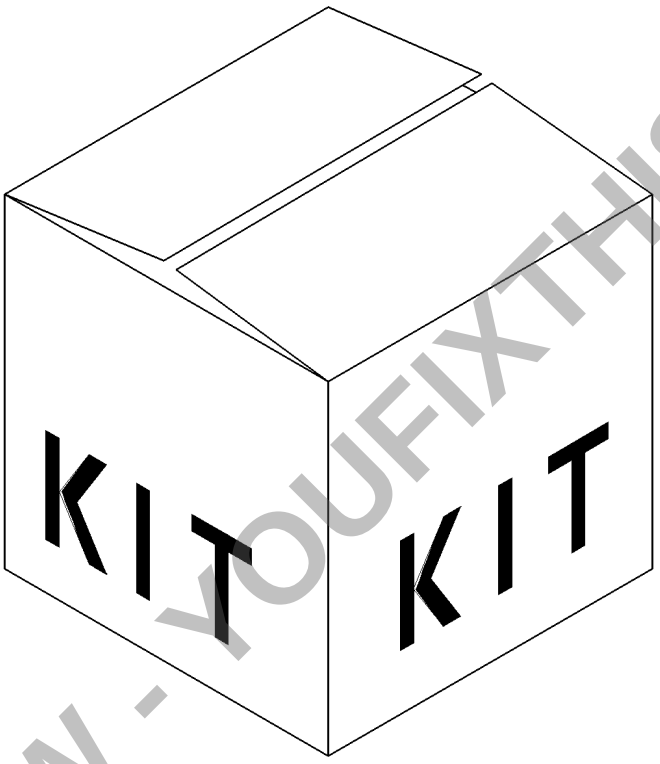
0. 0039 SERVICE MAINTENANCE KIT



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LS140 SKID STEER LOADER (9/99-)

0. 0039 SERVICE MAINTENANCE KIT

Ref	Part Number	Qty	Description
1	73317380	1	KIT, FIP, 250 hrs
2	73317381	1	KIT,SERV MAINTENANCE, 500 hrs
3	73317382	1	KIT,SERV MAINTENANCE, 1000 hrs
4	73317383	1	KIT,SERV MAINTENANCE, 2000 hrs

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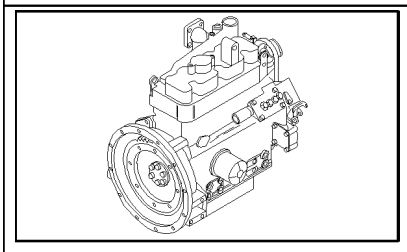

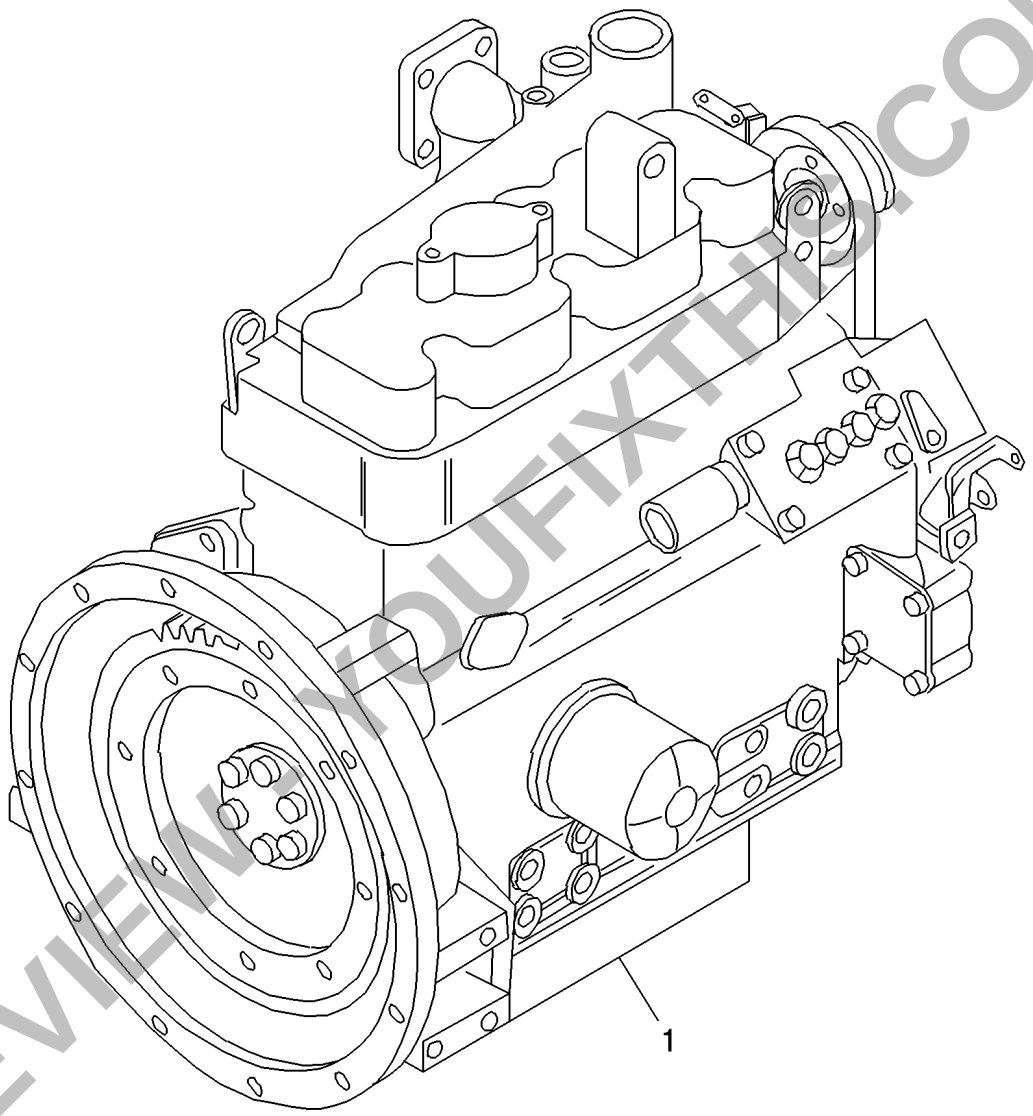

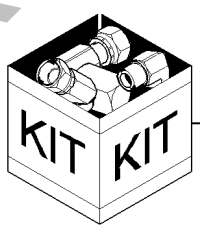

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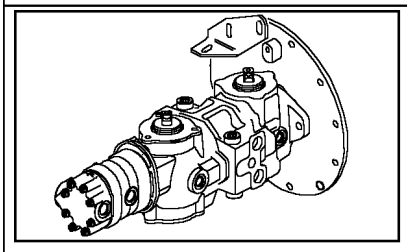

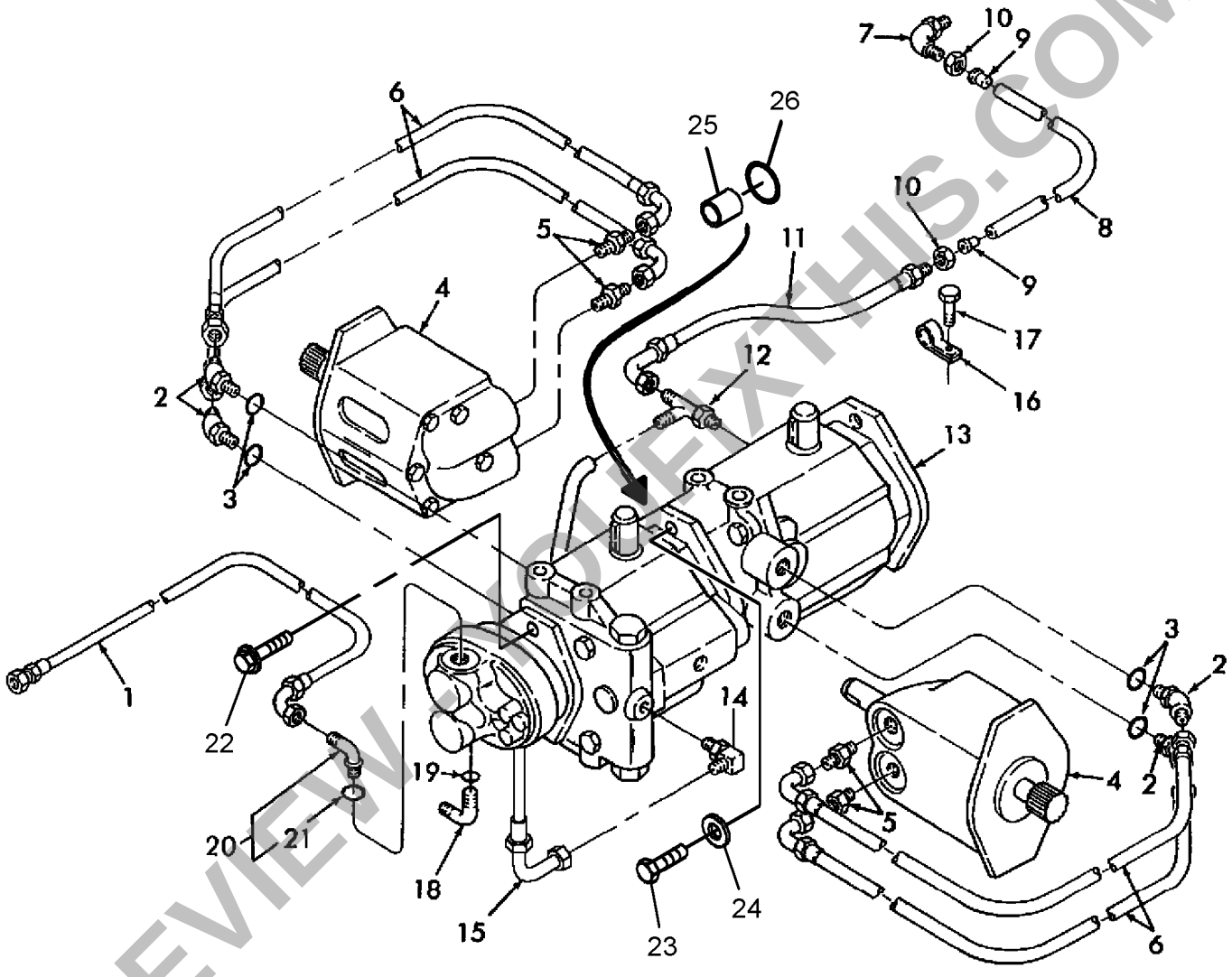

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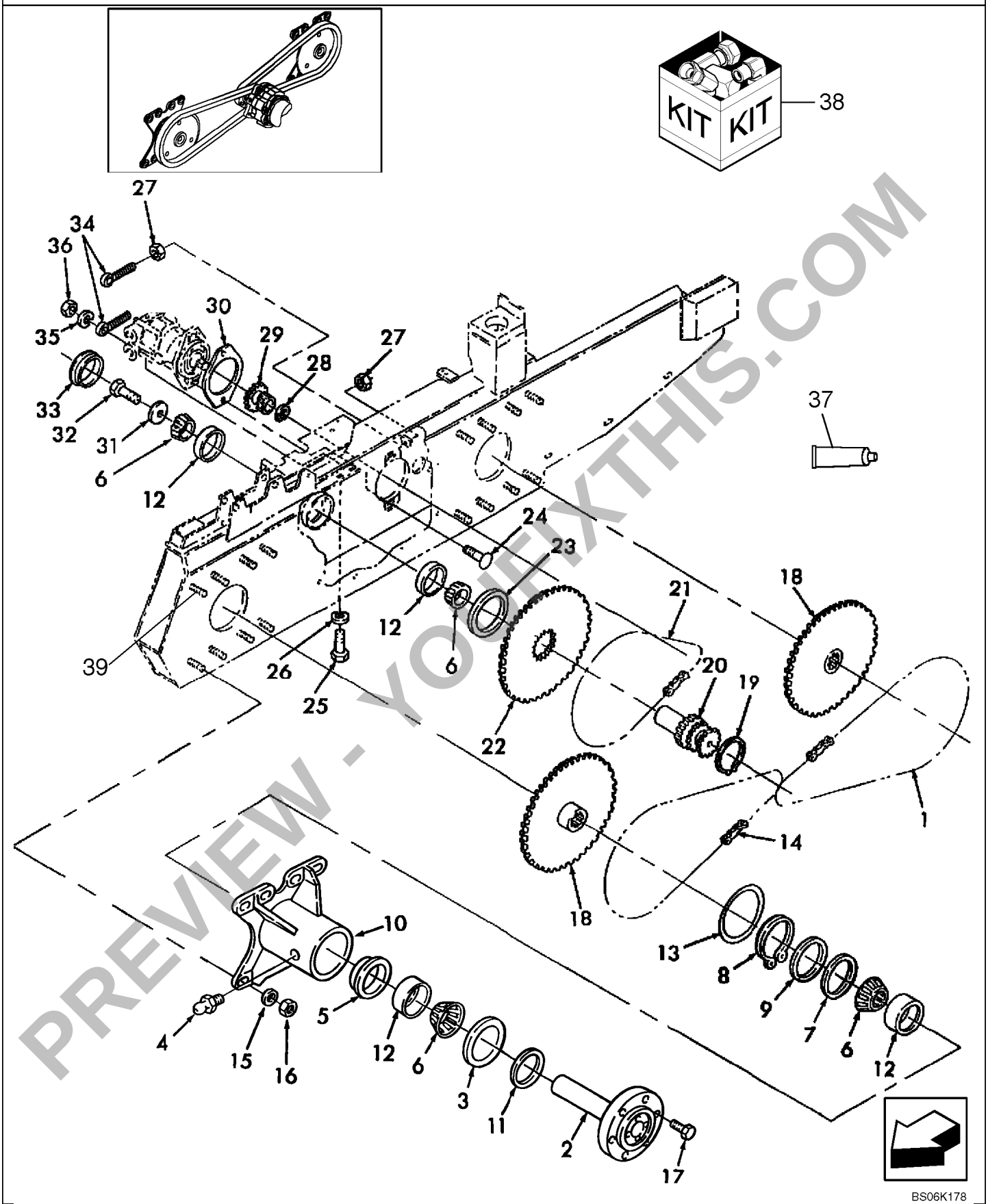

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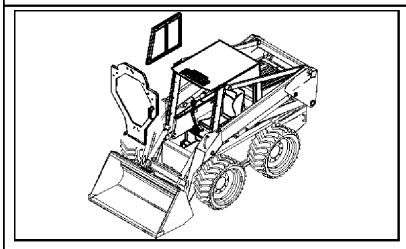
10.01 CAB



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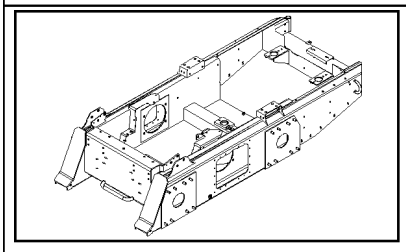
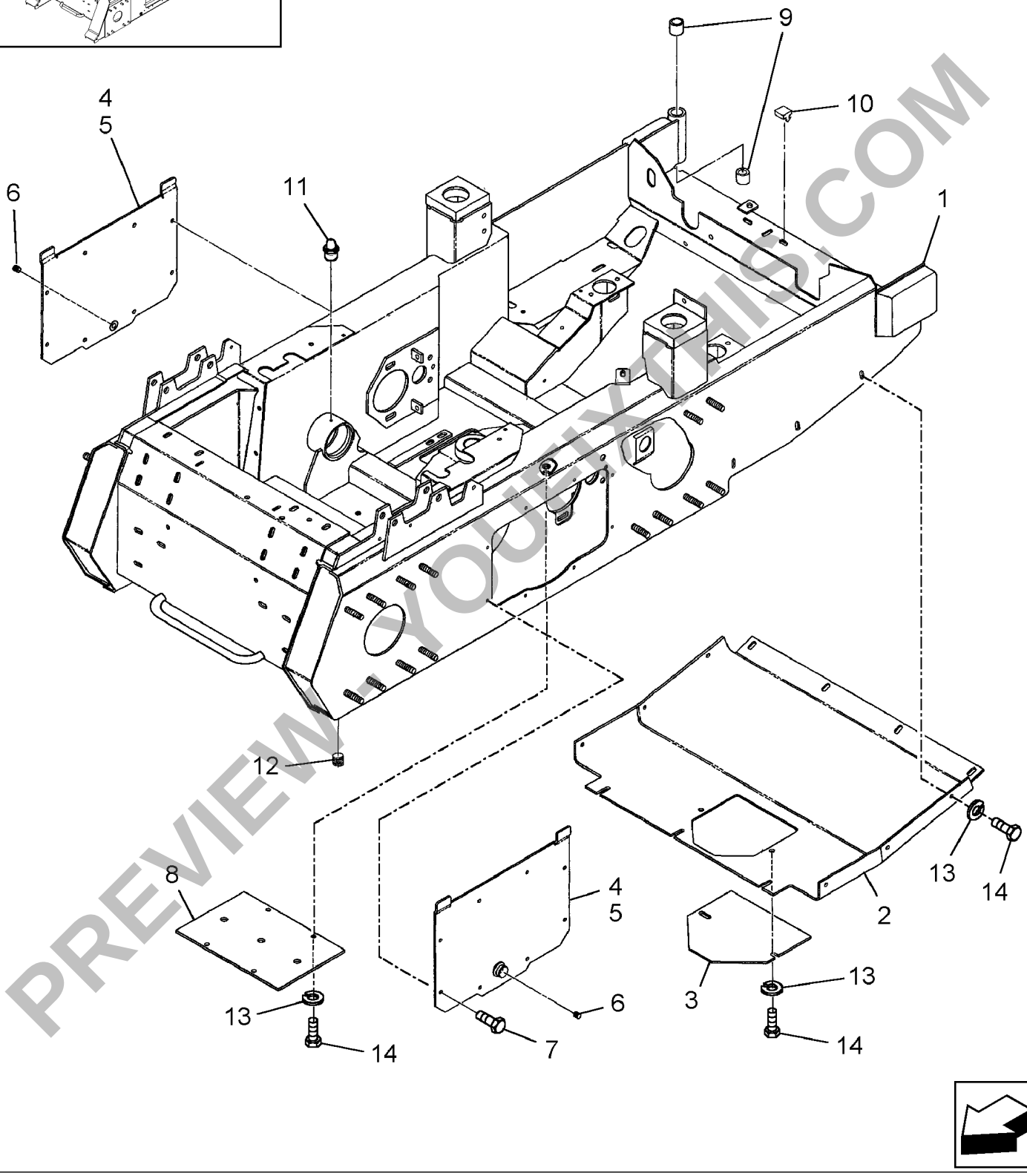
12.01 CHASSIS (IF USED)





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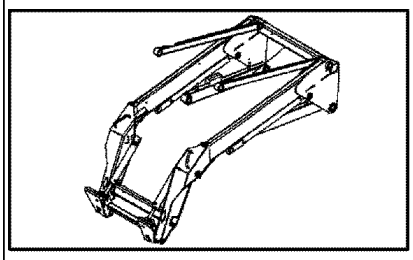

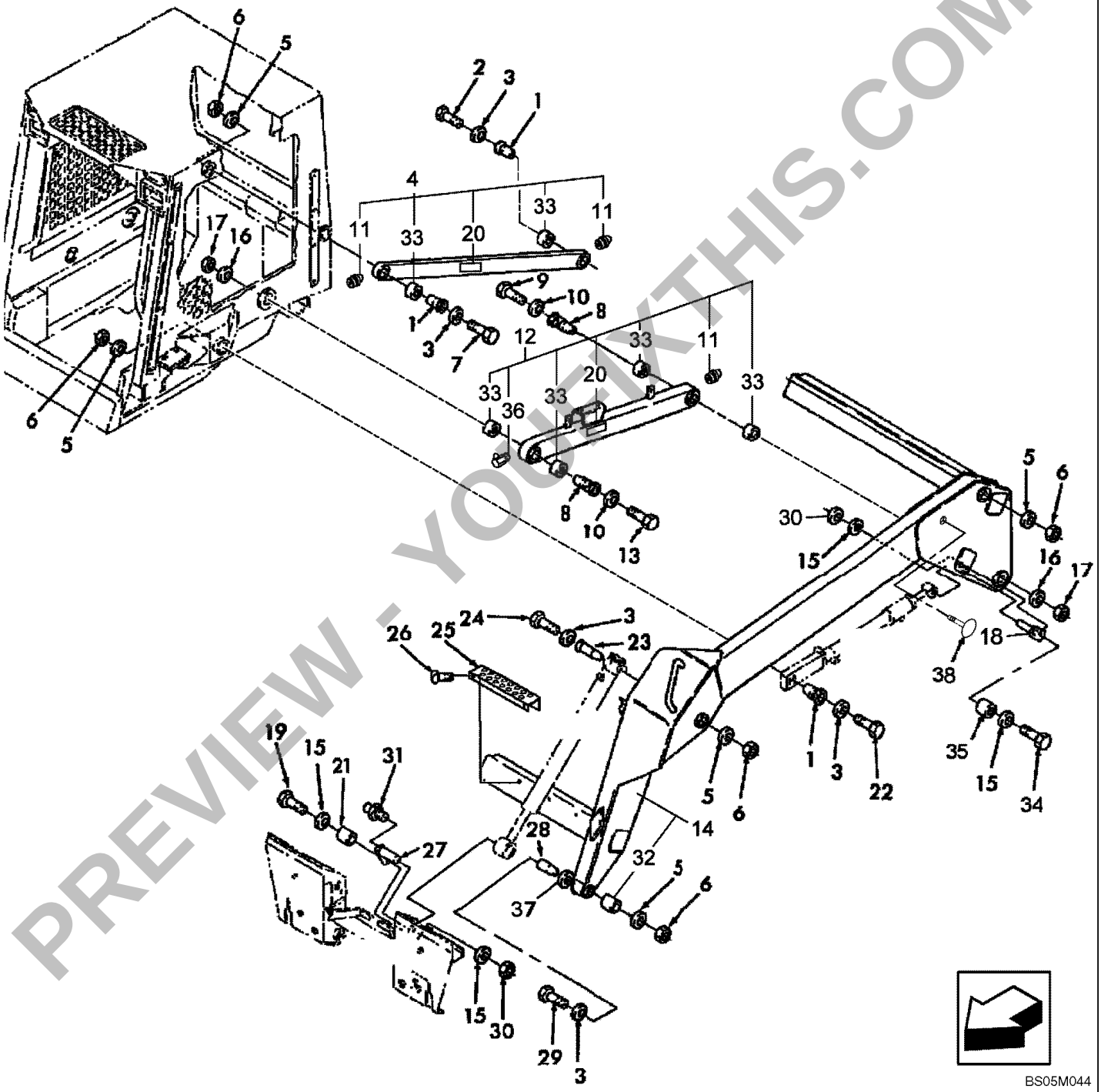

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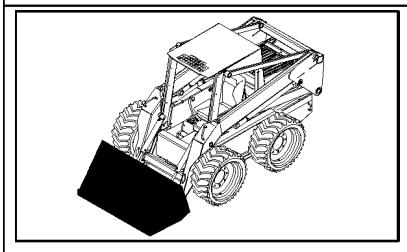
19.01 BUCKETS & DIRT TOOTH KIT



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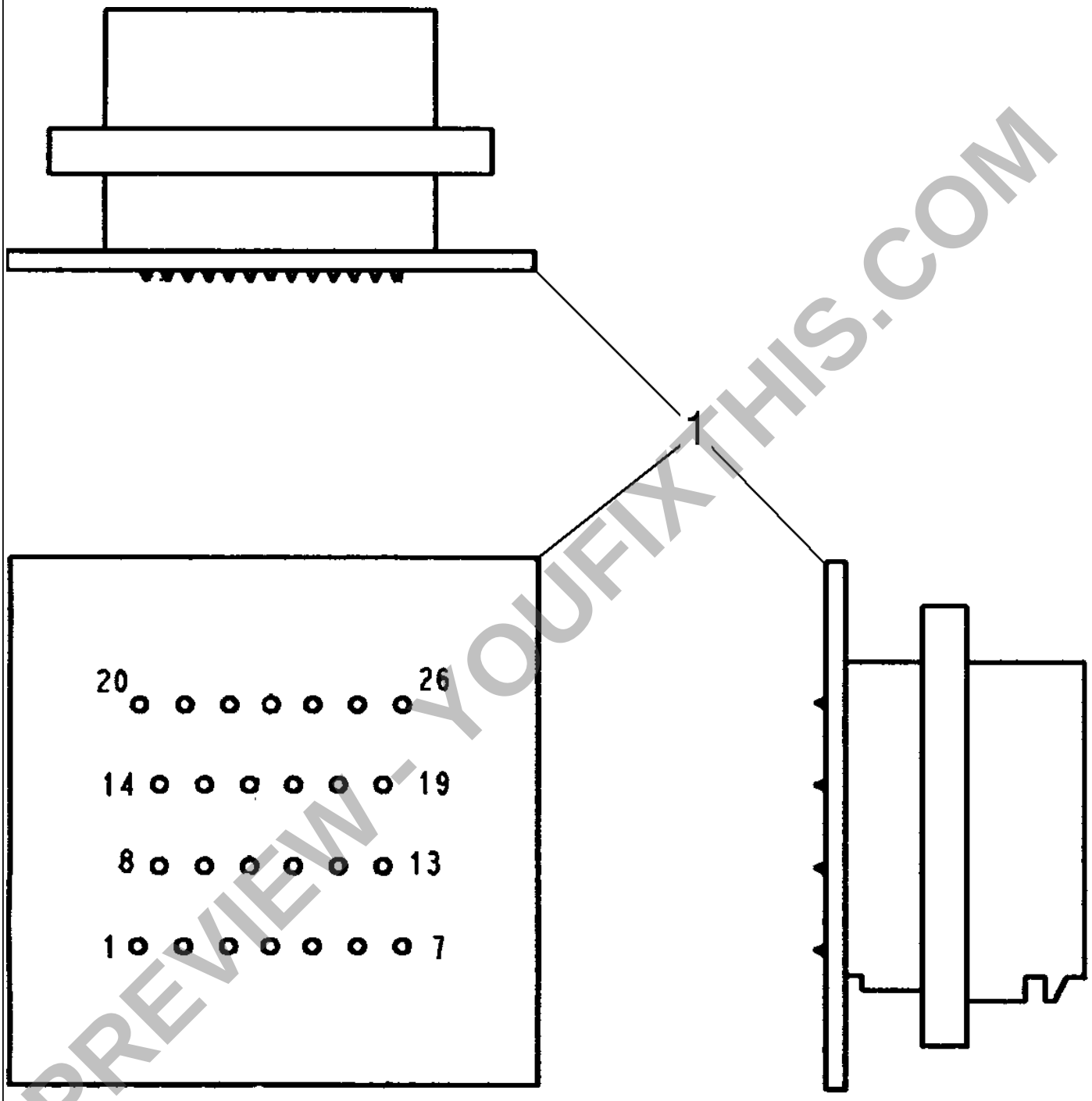

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00.00 MAIN SECTIONS PICTORIAL INDEX

Ref	Part Number	Qty	Description

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LS140 SKID STEER LOADER (9/99-)

01.07 CAMSHAFT

Ref	Part Number	Qty	Description
1	SBA120026350	1	CAMSHAFT, LS140, Incl. 2 - 6
1	SBA120026380	1	SHAFT, LS150, Incl. 2 - 6
2	SBA120016050	1	GEAR, Cam, LS140
2	SBA120016150	1	GEAR, Cam, LS150
3	SBA034100508	1	KEY,
4	SBA120736081	1	GEAR,
5	SBA199216230	3	SPACER,
6	SBA040156304	1	BEARING ASSY,
7	SBA125256120	1	GUIDE, SLIDE, LS140
7	SBA125256190	1	GUIDE, SLIDE, LS150
8	SBA199566651	1	PLATE,
9	SBA120076070	1	GEAR, Tachometer Shaft; Before Engine S/N: LS140, 76992; LS150, 74975
10	SBA011310612	2	SCREW,
11	SBA120996120	1	GASKET, Before Engine S/N: LS140, 76992; LS150, 74975
12	SBA199376230	1	NUT, Before Engine S/N: LS140, 76992; LS150, 74975

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02.09.01 RADIATOR (87033479) - COOLER; LS140 ON & ASN LMU004821, LS140E ON & ASN LMU004314,

Ref	Part Number	Qty	Description
1	87033479	1	RADIATOR, Incl. 2, 3; LS150 On & ASN LMU024705, LS150E On & ASN LMU002492; Fittings On Same Side
2	3957211	1	CAP, RADIATOR,
3	87032485	1	DRAINCOCK/TAP, SUPPLY, Drain Cock
4	88206	6	BOLT, Hex, 3/8"-16 x 1", G5, Full Thd,
5	140045	6	WASHER, SPRING, Belleville, M10,
6	86010402	1	CLAMP, 1/2", Insul, 3/8" Bolt,
7	86511237	2	SPACER,
8	86538662	2	HANDLE,
9	87034568	1	BRACKET, If Used
10	86508568	1-5	BOLT, Hex, M6 x 16, 8.8,
11	86588450	1-5	WASHER, M6,
12	87044179	1	HOSE ASSY., Replaces 87031289
13	513309	2	CLAMP, HOSE, #24, 1.06/2.00 Type F Worm,
14	86050202	2	CLAMP, HOSE, #32, 1.56/2.50 Type F Worm,
15	87048491	1	HOSE, Replaces 87031288
16	NSS	2	NOT SERVICED SEPARATELY, Seal
17	87034579	2	SEAL,
18	87033309	1	COOLER, OIL, Service for 87014828 used in Production
19	219603	2	ELBOW, 90є, 1 1/16"-12, 37є x 1 1/16"-12, 37є Fem Sw,
20	87050095	1	TUBE, HYD, Replaces 87446955
21	87042633	1	RESERVOIR, WINDSH. WASH, Coolant Recovery
22	86624144	2	WASHER, 13/32" x 3/4" x .120",
23	290323	1	HOSE, FLEXIBLE, 2.7 Ft
23A	87436932	1	Clamp; If Used; Not Illustrated
24	86566989	1	STRAP, CABLE, If Used
25	86507190	1	CAP, Coolant Recovery
26	9637692	1	NUT, LOCK, 3/8"-16, GB,
27	9707580	8	BOLT, Hex, 1/4"-20 x 3/4", G5, Full Thd,
28	322357	8	WASHER, SPRING, Belleville, M6,
29	87446086	1	SHROUD, Fan; Gray; With Notches; If Used
29	87356116	1	SHROUD, Fan Shroud; Gray; Without Notches; Not Illustrated; If Used
30	87055202	1	TUBE ASSY., Replaces 87442083
31	144121	1	UNION, 1 1/16"-12, 37є x 1 1/16"-12, 37є,
32	86545825	1	SCREW, SELF TAPPING, Hex Wash Hd, 5/16" x 5/8",
33	239859	1	CLAMP, 3/4 x 5/16
34	86510505	1	TUBE,

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06.02.01 CAB ELECTRIC, NORTH AMERICA

Ref	Part Number	Qty	Description
1	86603919	1	HARNESS, WIRE, Main, Incl. 43; EIC Plug Has 2 Rectangular Connectors
1	86621101	1	HARNESS, WIRE, Main, Lighted Switches, Incl. Ref. 43; LS140 BSN LMU00482o, LS140E BSN LMU004313, LS150 BSN LMU024704, LS150E BSN LMU002491
1	87045779	1	HARNESS, WIRE, Incl. 773464, L71879; Models With Service/Run Switch in Cab; LS140 On & ASN LMU004821, LS140E On & ASN LMU004314, LS150 On & ASN LMU024705, LS150E On & ASN LMU002492
1	87462084	1	HARNESS, WIRE, Main; Models Without Service/Run Switch in Cab
	773464	X	DIODE, Style 30 1A; Fuel Interlock
	L71879	X	DIODE-ELEMENT, Polarity Protection
2	9706732	11	CLAMP, 3/4" x 5/16" Bolt
3	9635884	3-4	BOLT, Hex, 5/16"-18 x 1", G5, Full Thd,
4	322358	7	WASHER, SPRING, Belleville, M8,
5	9635082	7	NUT, 5/16"-18, G5,
6	263117	2	STRAP, CABLE, .14" x 11 1/2", 3/32" x 11-1/2" L
7	86526695	1	SPACER, Split
8	9707515	1	BOLT, Hex, 5/16"-18 x 1 3/4", G5,
9	80664	5	WASHER, 5/16",
10	858956	1	CLAMP, 7/16", Insul, 5/16" Bolt,
11	9840344	12-16	SCREW, Self-Tapping, Sealing, WH, 5/16"-18 x 11/16"
12	675162	2-5	CLAMP, WIRE, M6.3, Insul, 3/8" Bolt,
14	86542120	1	BAR, Rear Light
15	86542121	2	BEZEL, Rear
15	86597619	2	BEZEL, Rear, 4-Way Flashers
16	9829515	2	LAMP, Red, Incl. 16A; Also Includes 137827A1 Lamp Socket
16A	86505510	2	BULB, #97
17	86533428	3	LAMP, Clear, Incl. 17A
17A	86533429	3	BULB, Halogen, 12 Volt, 37-1/2 Watt
18	86545826	18	SCREW, SELF TAPPING, Hex Wash Hd, #10 x 1",
19	280476	4	SCREW, SELF TAPPING, Hex Wash Hd, 3/8" x 1",
20	237915	3	GROMMET,
22	88946	1	SCREW, SELF TAPPING, Hex Hd, 1/4" x 3/4",
23	322357	1	WASHER, SPRING, Belleville, M6,
24	258985	AR	CONDUIT, Plastic, Split, .58" OD x 28" Long, Cut to Required Length
25	86625316	1	INSTRUMENT CLUSTER, Instrument Cluster; Two Rectangular Connectors, 11 Pin And 14 Pin; See Figure 06.01.01 Ref 1 For Newer Style
28	86542119	2	BEZEL, Front
28	86597618	2	BEZEL, Front, 4-Way Flashers
29	86529089	1	RELAY, Accessory
30	9827625	1	SWITCH, LIGHTS, Rocker, Lights; If Used
30	86604641	1	SWITCH, LIGHTS, Rocker, Lighted, Lights; If Used
31	86500939	4	SCREW, SELF TAPPING, Hex Wash Hd, #10 x 3/8",
32	87872	5-6	BOLT, Hex, 5/16"-18 x 3/4", G5, Full Thd,
33	86539711	1	HARNESS, WIRE, 4-Way Flashers
33	86621721	1	HARNESS, WIRE, 4-Way Flashers, Incl. 33A, 33B

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07.02.02 BOOM CYLINDER, LS140

Ref	Part Number	Qty	Description
1	86590821	2	HYDRAULIC CYLINDER, Boom, Screw-in Hd, 2-1/4"-bore, 1-1/4"-rod
1	87038973	2	HYDRAULIC CYLINDER, Gray; Incl. 2 - 18
2	NSS	1	NOT SERVICED SEPARATELY, Cylinder Barrel, Incl. 3
3	631835	1	BEARING,
4	280724	1	NUT, LOCK, 3/4"-16, GC,
5	214389	3	PLUG, Hex Hd, 3/4"-16 ORB,
6	771701	1	Ring, Wear, Wear, 2.002" ID x .375" Thick
7	86513306	1	PISTON,
8	86570920	1	SEAL, Seal, 2-1/4"
9	86534570	1	TUBE, 8"
10	9846346	1	ROD, Piston
11	87414	2	NIPPLE, LUBE, 1/4"-28 x .56" lg, Drive,
12	510121	1	O-RING, -227, 70 Duro, 2.109" ID x .139" Thk,
13	9843627	1	Ring, Wear, Wear, 1-1/4" ID x 1-2"
14	9802846	1	CYLINDER HEAD,
15	86513307	1	SEAL,
16	529340	1	SEAL,
17	86502489	1	BACK-UP RING, Backup, 2.147" ID x .04" Thick
18	86570919	AR	KIT, SEALS, Repair

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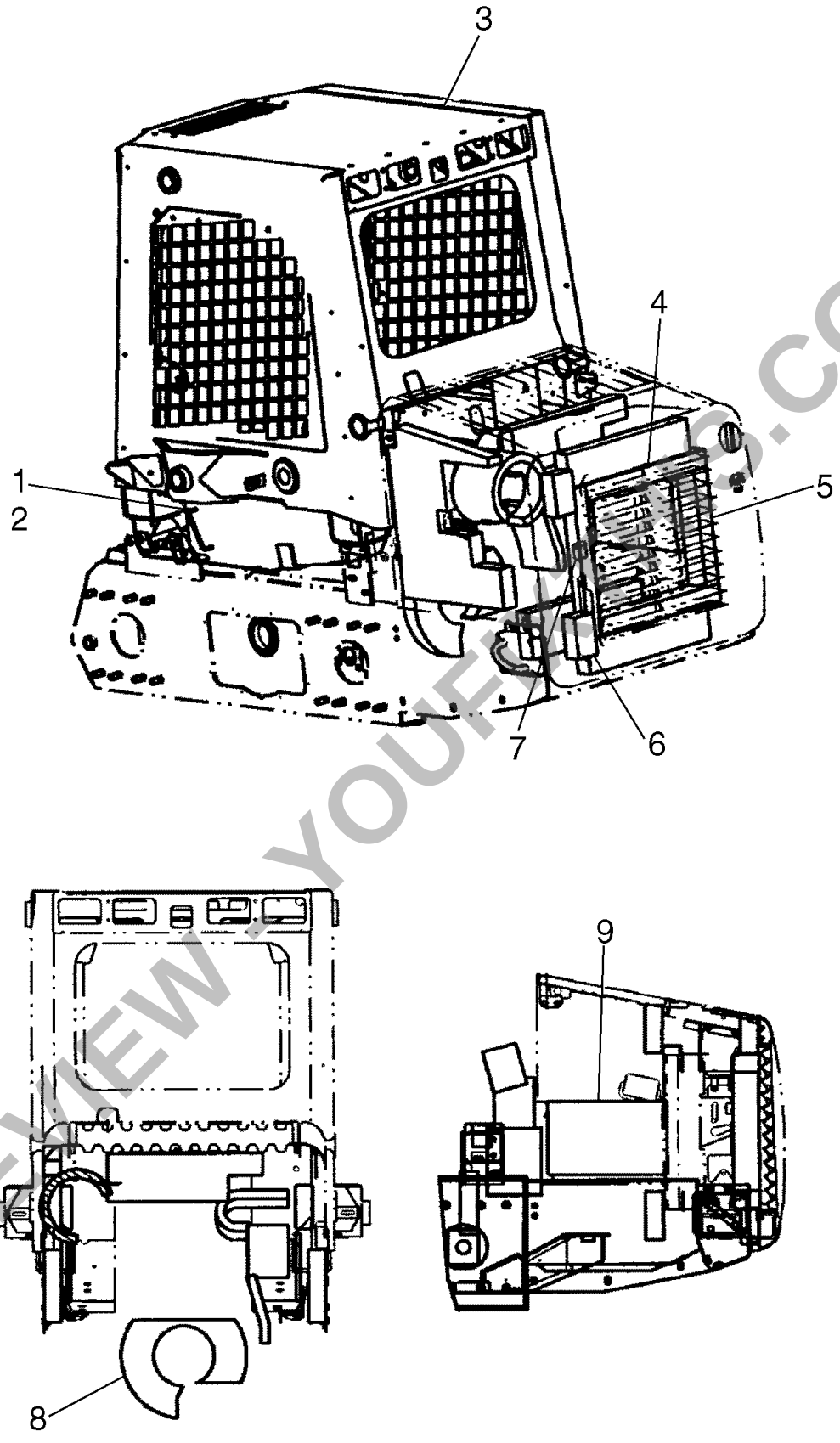

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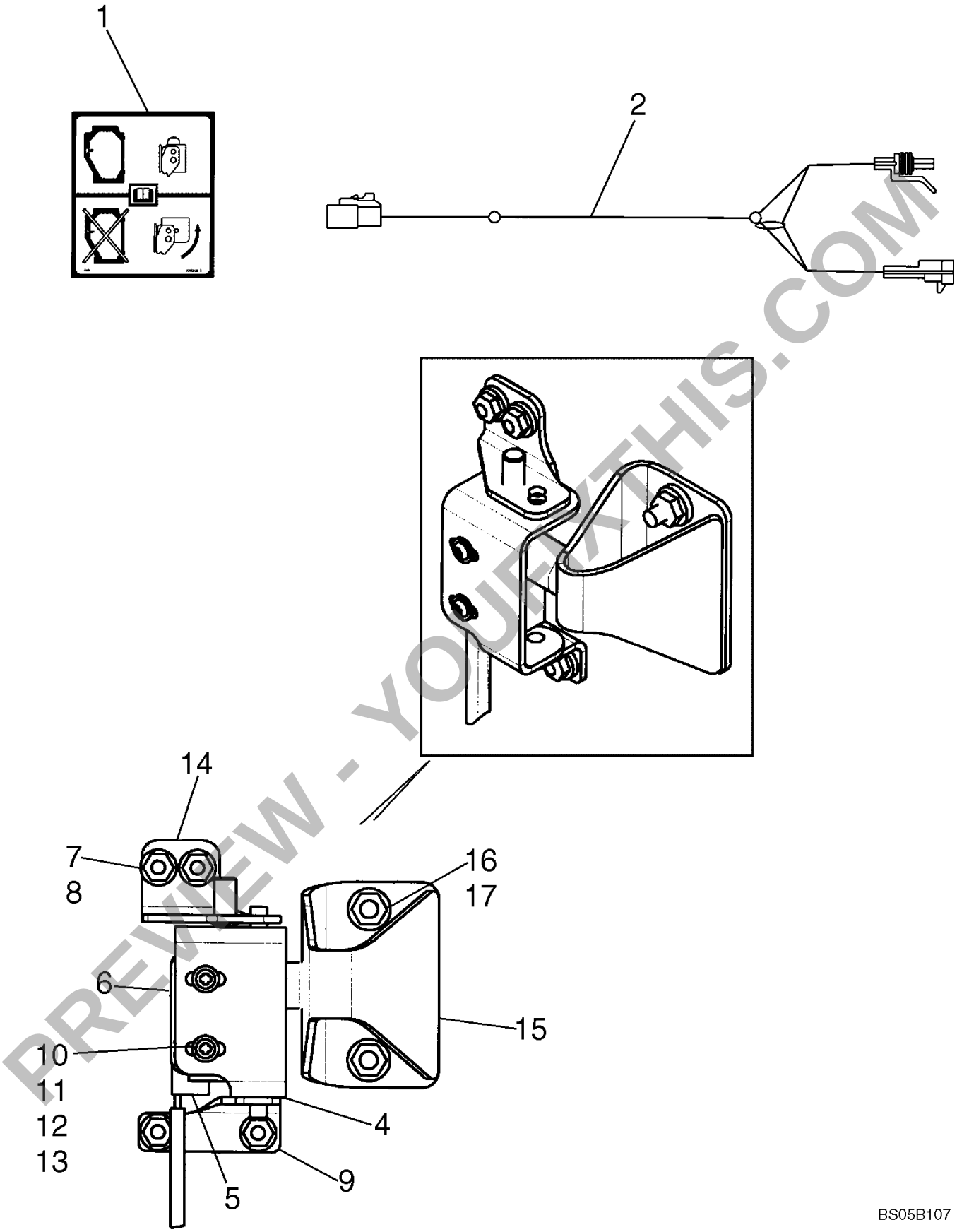

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10.16.01 BOOM & BUCKET HAND CONTROL, HYDROSTATIC LEVERS

Ref	Part Number	Qty	Description
1	86584202	2	HANDLE GRIP, Soft-touch
2	86573170	2	HANDLE,
3	9615841	2	SPACER,
4	86573132	2	CHANNEL,
5A	86512629	8	RIVET, Blind, 3/16" x 9/16"
5B	86729477	8	FASTENER, Black Plastic
6	9844042	2	RING,
7	9827590	2	BOOT,
8	9827335	2	PLATE,
9	0C	1	ORDER COMPONENTS, Kick Panel, LH, See Figure 10.16.02
10	0C	1	ORDER COMPONENTS, Kick Panel, RH, See Figure 10.16.03
11	221665	2	ROD, -end, Spherical Bearing
12	86573256	2	ROD, 5/16"-24 x 19"
13	86548493	2	BALL, -end
14	7770	4	NUT, 1/4"-20, G5,
15	140045	14	WASHER, SPRING, Belleville, M10,
16	86505650	1	DECAL, Handle Control, RH; Not Illustrated
17	86505651	1	DECAL, Handle Control, LH; Not Illustrated
18	87657	2	BOLT, Hex, 5/16"-18 x 1 1/4", G5,
19	88206	18	BOLT, Hex, 3/8"-16 x 1", G5, Full Thd,
20	280161	2	BOLT, Hex, 3/8"-16 x 3", G5,
21	280736	2	NUT, LOCK, 5/16"-18, GC,
22	88832	4	BOLT, CARRIAGE, Short NK, 1/4"-20 x 3/4", G5,
23	9628503	2	NUT, 3/8"-16, G5,
24	87307	6	NUT, Jam, 5/16"-24, G2,
25	87362	4	WASHER, 5/16" SAE,
26	322357	4	WASHER, SPRING, Belleville, M6,
27	322358	2	WASHER, SPRING, Belleville, M8,
28	86509499	2	NUT, Jam, 3/8"-16, G2,

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