An Oshkosh Corporation Company

Service and Maintenance Manual

Models
600SC
660SJC

PVC 2007

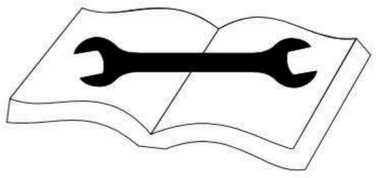
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Values for Zinc Yellow Chromate Fasteners (Ref 4150707)										
SAE GRADE 8 (HEX HD) BOLTS & GRADE 8 NUTS*										
Size	TPI	Bolt Dia	Tensile Stress Area	Clamp Load	Torque (Dry or Loctite® 263) K=0.20		Torque (Loctite® 242™ or 271™ or Vibra-TITE™ 111 or 140) K=0.18		Torque (Loctite® 262™ or Vibra-TITE™ 131) K=0.15	
		In	Sq In	LB	IN-LB	[N.m]	IN-LB	[N.m]	IN-LB	[N.m]
4	40	0.1120	0.00604							
	48	0.1120	0.00661							
6	32	0.1380	0.00909							
	40	0.1380	0.01015							
8	32	0.1640	0.01400							
	36	0.1640	0.01474	1320	43	5				
10	24	0.1900	0.01750	1580	60	7				
	32	0.1900	0.02000	1800	68	8				
1/4	20	0.2500	0.0318	2860	143	16	129	15		
	28	0.2500	0.0364	3280	164	19	148	17		
		In	Sq In	LB	FT-LB	[N.m]	FT-LB	[N.m]	FT-LB	[N.m]
5/16	18	0.3125	0.0524	4720	25	35	20	25	20	25
	24	0.3125	0.0580	5220	25	35	25	35	20	25
3/8	16	0.3750	0.0775	7000	45	60	40	55	35	50
	24	0.3750	0.0878	7900	50	70	45	60	35	50
7/16	14	0.4375	0.1063	9550	70	95	65	90	50	70
	20	0.4375	0.1187	10700	80	110	70	95	60	80
1/2	13	0.5000	0.1419	12750	105	145	95	130	80	110
	20	0.5000	0.1599	14400	120	165	110	150	90	120
9/16	12	0.5625	0.1820	16400	155	210	140	190	115	155
	18	0.5625	0.2030	18250	170	230	155	210	130	175
5/8	11	0.6250	0.2260	20350	210	285	190	260	160	220
	18	0.6250	0.2560	23000	240	325	215	290	180	245
3/4	10	0.7500	0.3340	30100	375	510	340	460	280	380
	16	0.7500	0.3730	33600	420	570	380	515	315	430
7/8	9	0.8750	0.4620	41600	605	825	545	740	455	620
	14	0.8750	0.5090	45800	670	910	600	815	500	680
1	8	1.0000	0.6060	51500	860	1170	770	1045	645	875
	12	1.0000	0.6630	59700	995	1355	895	1215	745	1015
1 1/8	7	1.1250	0.7630	68700	1290	1755	1160	1580	965	1310
	12	1.1250	0.8560	77000	1445	1965	1300	1770	1085	1475
1 1/4	7	1.2500	0.9690	87200	1815	2470	1635	2225	1365	1855
	12	1.2500	1.0730	96600	2015	2740	1810	2460	1510	2055
1 3/8	6	1.3750	1.1550	104000	2385	3245	2145	2915	1785	2430
	12	1.3750	1.3150	118100	2705	3680	2435	3310	2030	2760
1 1/2	6	1.5000	1.4050	126500	3165	4305	2845	3870	2370	3225
	12	1.5000	1.5800	142200	3555	4835	3200	4350	2665	3625

NOTES: 1. THESE TORQUE VALUES DO NOT APPLY TO CADMIUM PLATED FASTENERS

2. ALL TORQUE VALUES ARE STATIC TORQUE MEASURED PER STANDARD AUDIT METHODS TOLERANCE = ±10%

3. * ASSEMBLY USES HARDENED WASHER

500005 9K

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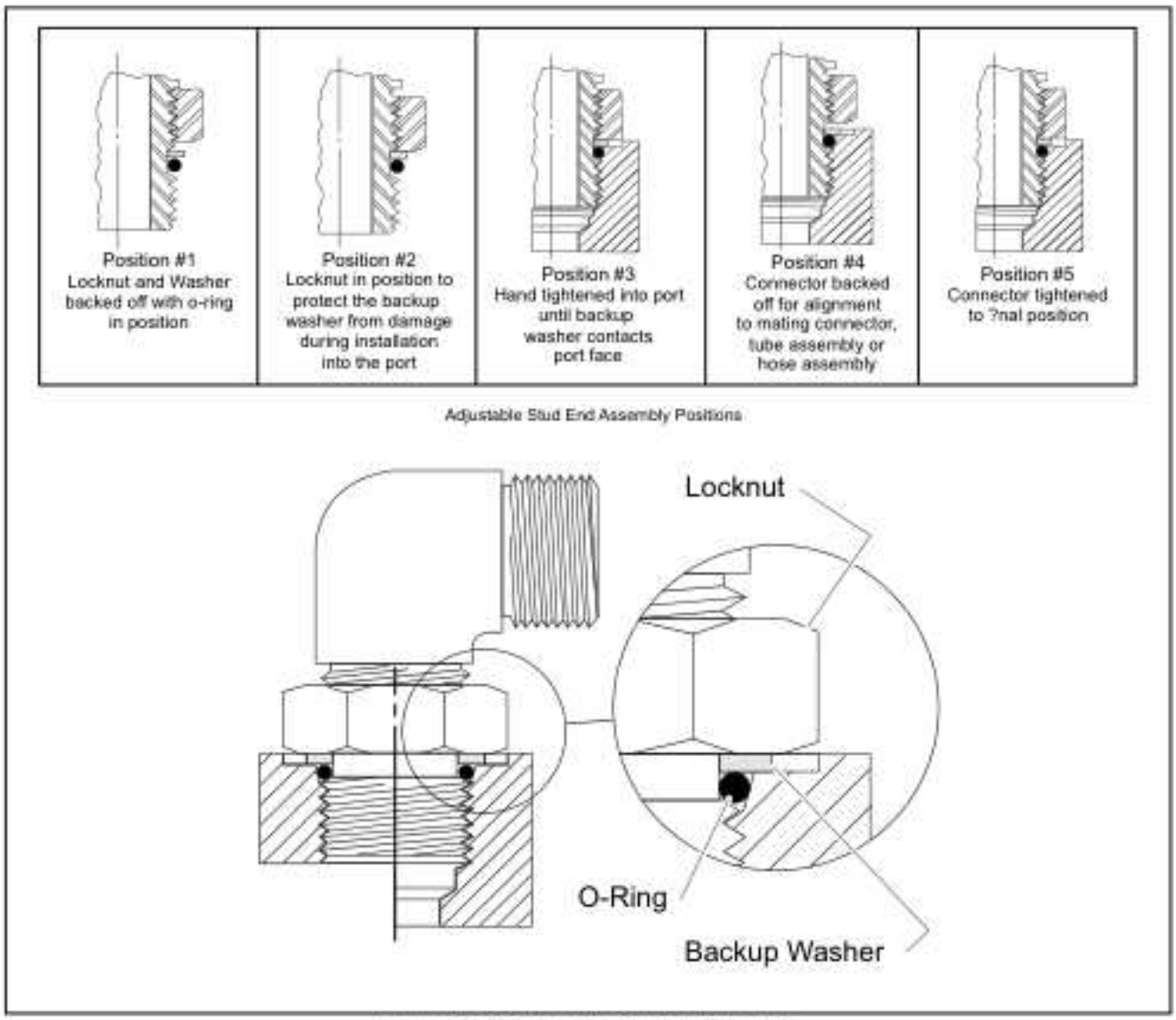


Figure 5-14. Adjustable Stud End Assembly

O-ring Installation (Replacement)

Care must be taken when installing O-rings over threads during replacement or installation. O-rings could become nicked or torn. A damaged O-ring could lead to leakage problems.

1. Inspect O-ring for tears or nicks. If any are found replace O-ring.
2. Ensure proper O-ring to be installed. Many O-rings look the same but are of different material, different hardness, or are slightly different diameters or widths.
3. Use a thread protector when replacing O-rings on fittings.
4. In ORB; ensure O-ring is properly seated in groove. On straight threads, ensure O-ring is seated all the way past the threads prior to installation.
5. Inspect O-ring for any visible nicks or tears. Replace if found.

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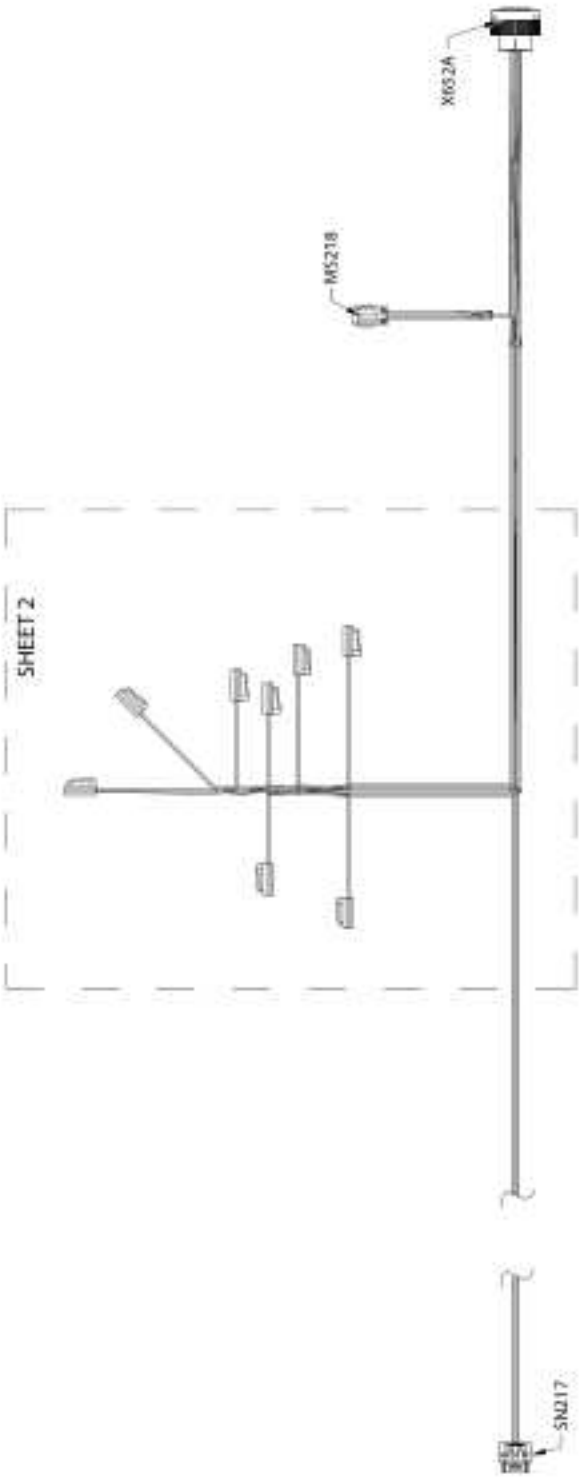
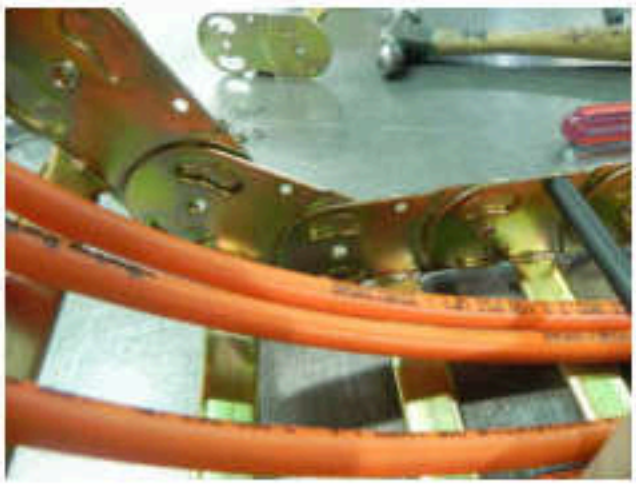


Figure 7-56. Platform Valve w/Jib Harness - Sheet 1 of 3

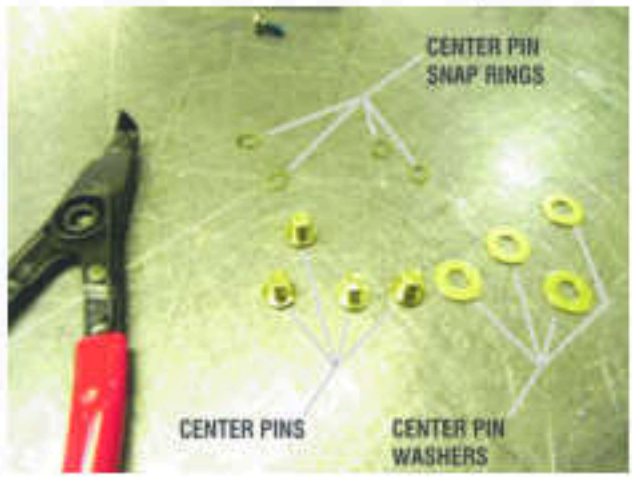
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4. Pull moving end over track so new connection is positioned in curve of powertrack. Round half-shears will rotate into cut-outs.





5. Parts shown below connect new link to powertrack.



6. Push pin through center hole. Slide washer on pin.





7. Install snap ring in groove on pin. Repeat pin installation steps for all center holes with rivets removed.



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SN476 TILT SENSOR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	YEL	14-7 TILT +	18 AWG	GXL	C073-J7 (34)
2	BLK	16-13 TILT -	18 AWG	GXL	C073-J7 (10)
3	YEL	CAN-ONE HIGH	18 AWG	GXL	M5147 (12)
4	GRN	CAN-ONE LOW	18 AWG	GXL	M5147 (7)

X112 DRIVE ORNT					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	YEL	14-6 DOS +	18 AWG	GXL	C073-J7 (32)
2	WHT	51-0 DOS SW	18 AWG	GXL	C073-J7 (35)

X113 GENERATOR CONNECTOR					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	YEL	2-15	18 AWG	GXL	FC155 (A5)
2	WHT	508-0 GEN ENABLE	18 AWG	GXL	C073-J1 (22)
3	BLK	0-15	18 AWG	GXL	X130 (1)

S164					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK	0-40-1	18 AWG	GXL	HV161 (2)
1	BLK	0-40-2	18 AWG	GXL	HV162 (2)
2	BLK	0-40	18 AWG	GXL	X132 (1)

S80					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	BLK	16-2-1 BRK/2SPD VLV -	18 AWG	GXL	HV79 (2)
1	BLK	16-2-2 BRK/2SPD VLV -	18 AWG	GXL	HV78 (2)
2	BLK	16-2 BRK/2SPD VLV -	18 AWG	GXL	C073-J1 (5)

HV78 2 SPEED					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	24-1 TWO SPD	18 AWG	GXL	C073-J1 (20)
2	BLK	16-2-2 BRK/2SPD VLV -	18 AWG	GXL	S80 (1)

HV79 BRAKE					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	23-1 BRAKE	18 AWG	GXL	C073-J1 (23)
2	BLK	16-2-1 BRK/2SPD VLV -	18 AWG	GXL	S80 (1)

HV161 OSC AXLE #2					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	40-2 OSC AXL VLV 2	18 AWG	GXL	C073-J1 (2)
2	BLK	0-40-1	18 AWG	GXL	S164 (1)

HV162 OSC AXLE #1					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	40-1 OSC AXL VLV 1	18 AWG	GXL	C073-J1 (7)
2	BLK	0-40-2	18 AWG	GXL	S164 (1)

X119 SYSTEM B+					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1		03	20 AWG	FUSIBLE LINK	S136 (1)
1		04	20 AWG	FUSIBLE LINK	S135 (1)

X106 AUX PUMP COIL					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1	WHT	93-1 AUX PUMP	18 AWG	GXL	C073-J1 (13)

X88 SYSTEM B+					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1		01	16 AWG	FUSIBLE LINK	S125 (1)
1		02	16 AWG	FUSIBLE LINK	S124 (1)

S124					
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET	TO
1		02	16 AWG	FUSIBLE LINK	X88 (1)
2	RED	1-4	12 AWG	GXL	FC155 (B3)

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