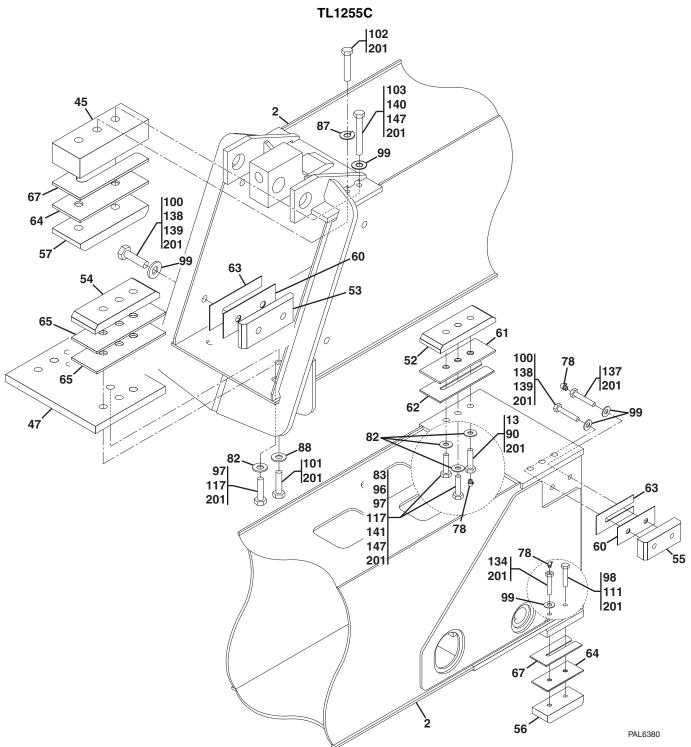


Figure 2-3 Second Boom Section



Note: Wear Pad Shimming:

Whenever a shim is used with a pad, a spacer with holes must be inserted between pad & shim.

The wear pad or wear pad insert must not sit directly on the slotted surface of shims. Add wear pad shims & spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal & vertical directions.

Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.

The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad. Add CAT Advanced 3Moly – NLG1 Grade 2 to all wear pads & all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.



Figure 2-3 Second Boom Section

13 45 47 52 53 54 55 56 57 60 61 62 63 64 65 67 78 82 83 87 88 90 96 22 96	399-5812 298-1688 367-6771 298-6876 364-1063 298-6839 364-1062 298-6905 298-6905 298-8387 298-1644 298-1686 298-1687 298-1665 298-1665 298-1665 298-1665 298-1665 298-1665 298-1665 298-1665 298-1665 298-1665 298-1669 297-7075 303-4799 298-7394 298-1689 297-7068	1 AR 2 1 2 4 2 2 2 4 2 2 4 2 4 2 4 4 2 4 4 4 4	SECOND BOOM SECTION WELDMENT HOLLOW HEX HD CAPSCREW, 1/2-20X1-3/4, (torque to 45-50 lb-ft/61-68 Nm) WEAR PAD SUPPORT SUPPORT PLATE WEAR PAD SPACER SPACER SHIM, 0.0598 SPACER SPACER SHIM, 0.0598 GREASE FITTING HARDENED WASHER, 1/2 HEX HD CAPSCREW, 1/2-20X2-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) SPRING LOCKWASHER WASHER, 3/4	
45 47 52 53 54 55 56 57 60 61 62 63 64 65 67 78 82 83 87 88 90 96	367-6771 298-6876 364-1063 298-6839 364-1062 298-6903 298-6905 298-8387 298-1644 298-1686 298-1687 298-1636 298-1665 298-1665 298-1661 298-1615 298-1629 297-7075 303-4799 298-7394 298-1689	2 1 2 4 2 2 2 4 2 4 2 4 4 AR 6 6 AR 2 2	WEAR PAD SUPPORT SUPPORT PLATE WEAR PAD SPACER SPACER SHIM, 0.0598 SHIM, 0.0598 SPACER SPACER SHIM, 0.0598 GREASE FITTING HARDENED WASHER, 1/2 HEX HD CAPSCREW, 1/2-20X2-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) SPRING LOCKWASHER WASHER, 3/4	
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56 2 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	298-6905 298-8387 298-1644 298-1686 298-1687 298-1636 298-1834 298-1665 298-1661 298-1615 298-1629 297-7075 303-4799 298-7394 298-1689	2 4 2 AR AR 2 4 AR 6 6 AR 2 2	WEAR PAD WEAR PAD SPACER SPACER SHIM, 0.0598 SHIM, 0.0598 SPACER SPACER SPACER SPACER SHIM, 0.0598 GREASE FITTING HARDENED WASHER, 1/2 HEX HD CAPSCREW, 1/2-20X2-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) SPRING LOCKWASHER WASHER, 3/4	
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62 2 2 3 4 4 5 5 6 5 6 7 7 8 8 2 2 8 3 8 7 8 8 9 9 9 9 6 2 2 9 6	298-1687 298-1636 298-1834 298-1665 298-1661 298-1615 298-1629 297-7075 303-4799 298-7394 298-1689	AR AR 2 4 AR 6 6 AR 2 2	SHIM, 0.0598 SHIM, 0.0598 SPACER SPACER SPACER SHIM, 0.0598 GREASE FITTING HARDENED WASHER, 1/2 HEX HD CAPSCREW, 1/2-20X2-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm) SPRING LOCKWASHER WASHER, 3/4	
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88 2 90 2 96 2	298-1689	2	WASHER, 3/4	
90 2 96 2	298-1689		·	
96 2			HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm)	
		AR	HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
	297-7070	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
98 2	297-7063	AR	HEX HD CAPSCREW, 3/8-24X2-1/2, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
	298-1628	18	WASHER, 3/8	
	297-7056	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
	297-7052	2	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
	5S-2256	2	SOCKET HD CAPSCREW, 1/2-13X1-3/4	
	298-8026	AR	SOCKET HD CAPSCREW, 3/8-24X3, (torque to 32-37 lb-ft/43-50 Nm)	
	297-7064	AR	HEX HD CAPSCREW, 3/8-24X2-3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
	297-7004	AR	HEX HD CAPSCREW, 1/2-20X1-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
	298-8419	AR	HOLLOW HEX HD CAPSCREW, 3/8-24X1/2, (torque to 15-17 lb-ft/20-23 Nm)	
	298-1690	AR	HOLLOW HEX HD CAPSCREW, 3/8-24X3/4, (torque to 15-17 lb-ft/20-23 Nm)	
	297-7055	AR	HEX HD CAPSCREW, 3/8-24X.62, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
	297-7055 297-7057	AR	HEX HD CAPSCREW, 3/8-24X.88, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
	298-8025	AR	SOCKET HD CAPSCREW, 3/8-24X2-1/2, (torque to 32-37 lb-ft/43-50 Nm)	
	297-7069	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
	297-7069	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR3, (torque to 76-86 lb-ft/103-117 Nm)	
	298-1617	AR	SOCKET HD CAPSCREW, 1/2-20X.365, GR3, (torque to 70-66 ib-ft/103-117 Nill)	
201	∠30-101 <i>1</i>	AR	LOCTITE® 242™	