

Wood-Mizer[®] Toothsetter

Safety, Operation, Parts
& Maintenance Manual

BMT100-2	Rev. A1.00
BMT100-3	Rev. A1.00

Safety is our #1 concern!

Form #2025

Models Effected:

BMT100

BMT100-2

BMT100-3

BMT100-U



WARNING! Read and understand this manual before using this machine.

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SECTION 1 OVERVIEW

1.1 Toothsetter Introduction

There are four steps to maintaining blades used on the Wood-Mizer sawmill. They should ALWAYS be followed in this order:

1. Blade Cleaning
2. Sharpening
3. Deburring
4. Toothsetting

See Figure 1-1. The blades supplied by Wood-Mizer have a raker-style set in the teeth. If you look at a blade from the top, you will see that the teeth are set (or bent out) in a repeating sequence; straight, left and right. The teeth that are set left and right do the cutting. The straight teeth (rakers) clear the cut of sawdust.

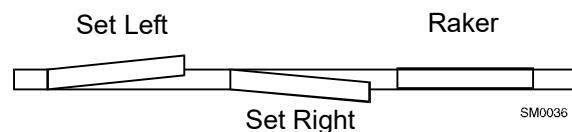


FIG. 1-1

See Figure 1-2. As the blade is sharpened, the tip of the tooth recedes and the set becomes smaller. Correct setting is one of the most important factors in the cutting ability of a blade. Check used blades regularly to see if they need resetting.

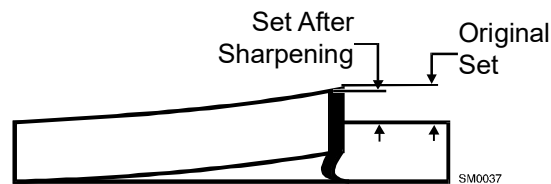


FIG. 1-2

The BMT100-2/BMT100-3 Toothsetter allows you to accurately and evenly set the teeth of a bandsaw blade. The spring-loaded clamping mechanism lets you position a tooth in front of the gauge and clamp it in place. You can then measure the set. The tooth is bent by clamping the blade further. This chapter describes proper setup and operation of the toothsetter.

1.2 Deburring The Blade

Sharpening leaves tiny metal burrs on the back side of the teeth. New blades also have burrs. These burrs **MUST** be removed before the set is checked. If they are not removed, they may cause the toothsetter to give false readings.

To remove burrs, take the blade from the Sharpener. Invert it, so that the inside of the blade is facing out. Drag a stick of hardwood across the blade in the opposite direction that the teeth cut. (Use the weld in the blade as a reference point for starting and stopping.)

Cutting with the blade also removes burrs. If the blade you are about to set has been used after sharpening, you will not need to deburr it. Clean the blade before removing from the mill by running the Water Lube Option for 15 seconds. Remove the blade and wipe dry with a rag to prevent rusting.

SECTION 2 SETUP

2.1 Toothsetter Mount

Install the crank handle to the toothsetter crank assembly using the supplied hex head bolt. Be sure the handle is oriented in the "up" position as shown. Install the crank handle knob to the crank handle using the provided socket head bolt and two hex nuts.

Mount the toothsetter to the stand. Use the mounting holes found in the base plate of the setting fixture. Use the provided bolts (inserting the bolts down through the top of the mounting plate), hex nuts. Setup the toothsetter so that there is at least 32" (81.0 cm) to the rear and to either side of the tool. This allows enough room for the blade supports.

See Figure 2-1.

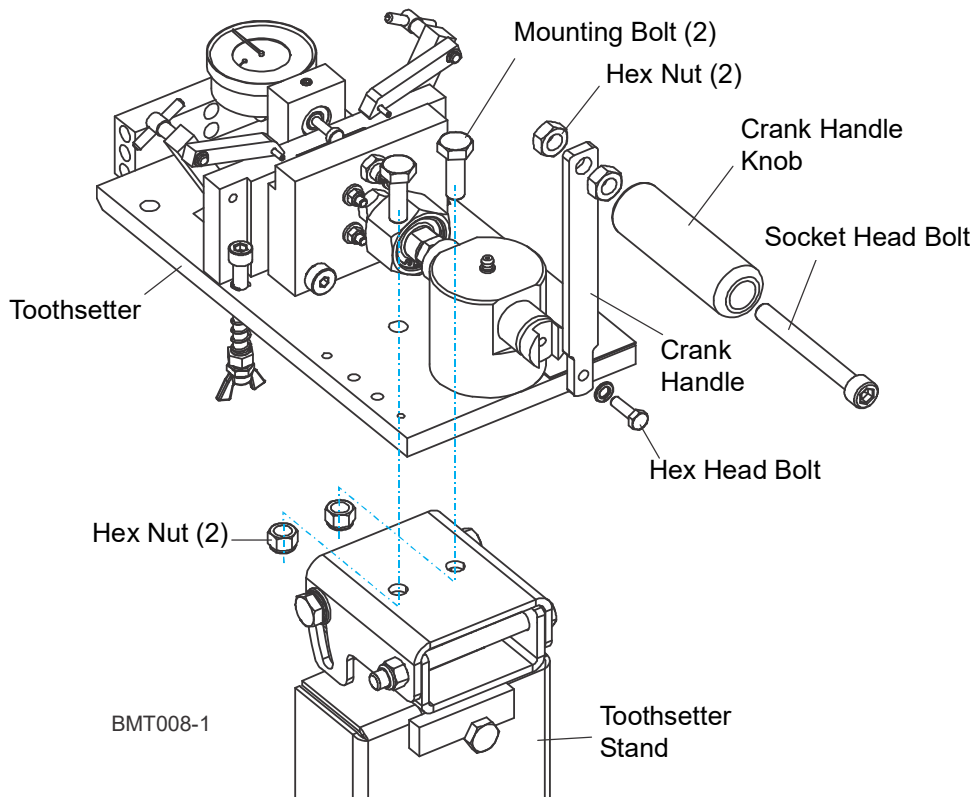
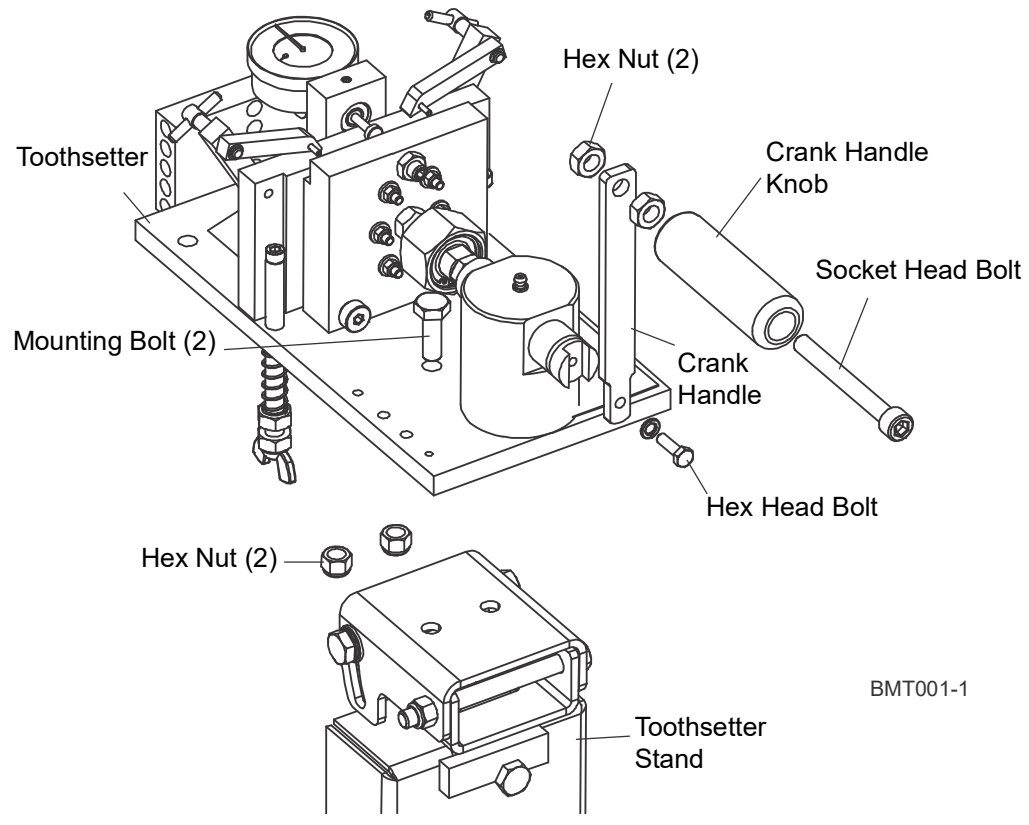


FIG. 2-1 BMT100-2

2 Setup

Toothsetter Mount



BMT001-1

FIG. 2-1 BMT100-3

See **Figure 2-2**. The main components of the toothsetter are shown below. These parts will be discussed in the following instructions.

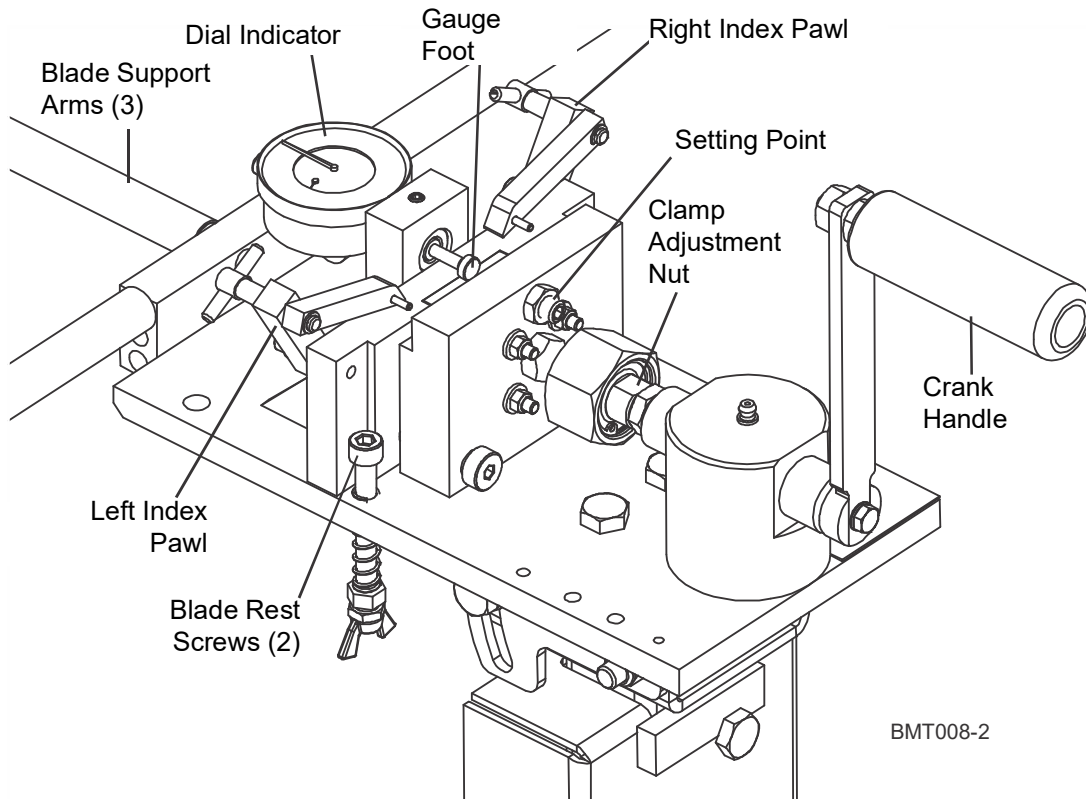


FIG. 2-2 BMT100-2

2 Setup Toothsetter Mount

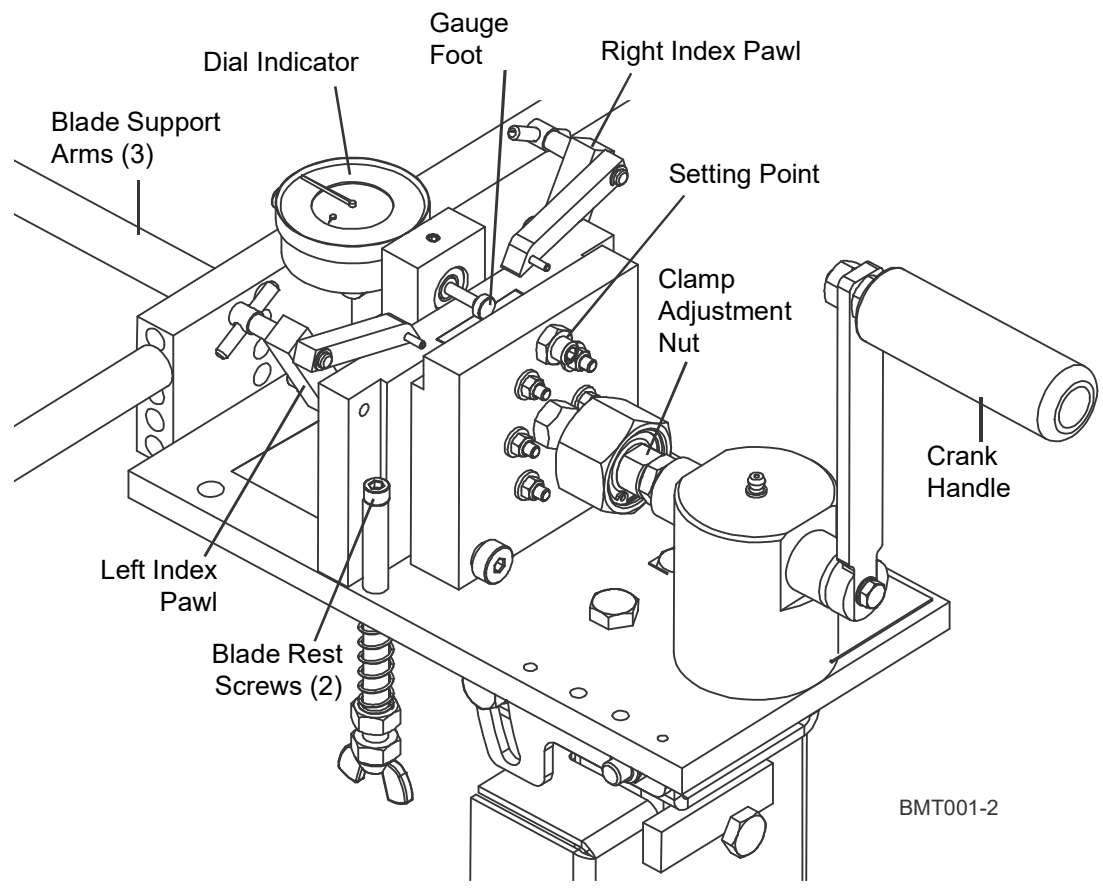


FIG. 2-2 BMT100-3

2.2 Blade Support Installation

Attach the three blade support arms to the threaded mounting bar at the rear of the tooth-setter. Five sets of support arm mounting holes are provided. Use one of the set of holes for the appropriate blades (BMT100-2: from 1" to 2" wide blades; BMT100-3: from 1" to 3" wide blades).

See Figure 2-3.

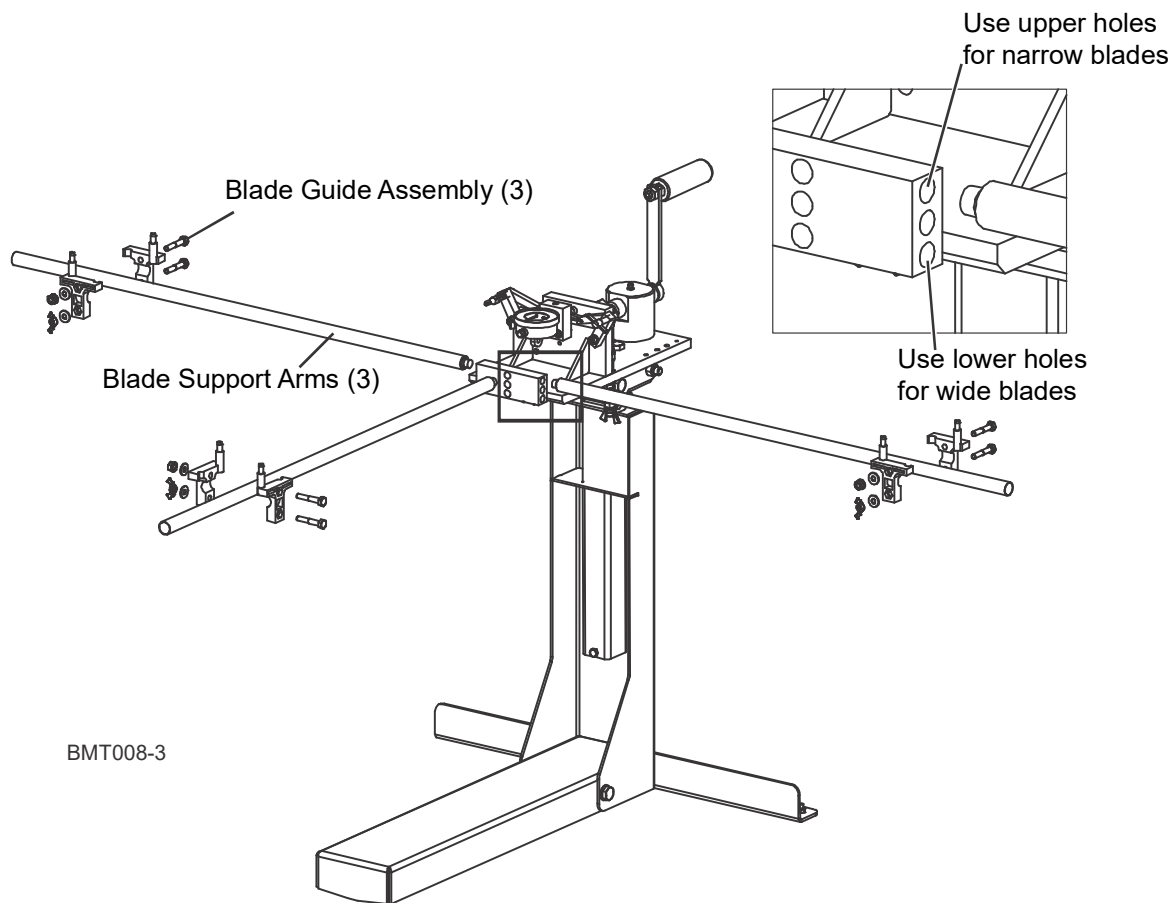


FIG. 2-3 BMT100-2

2 Setup

Blade Support Installation

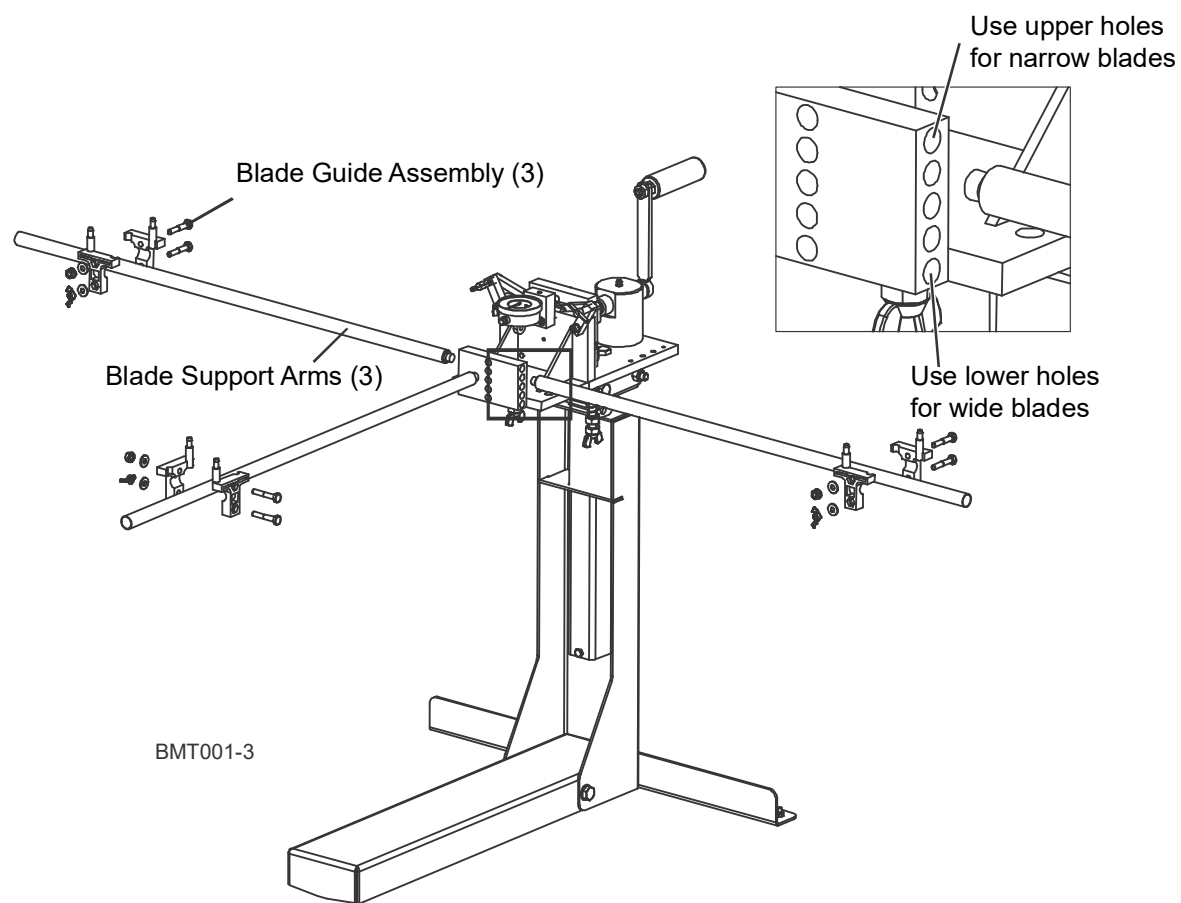


FIG. 2-3 BMT100-3

See Figure 2-4. Assemble a blade support guide onto the end of each blade support arm. Bolt from the hexed side of the guide assembly. Tighten the top bolts with the self-locking nuts. Tighten the bottom bolts with the wing nuts.

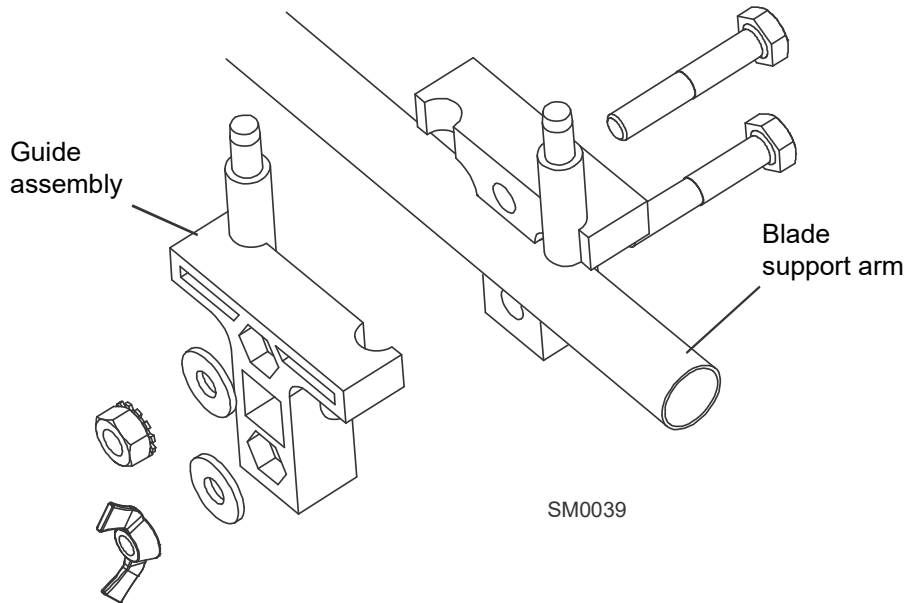


FIG. 2-4

The guides should be about 1" (2.5 cm) from the ends of the right and rear tubes and about 2.5" (6.0 cm) from the end of the left tube. Final adjustments will be made later.

2.3 Dial Indicator Setup

To set the dial indicator, follow these steps.

See Figure 2-5.

1. **Back the setting point out of the way.** Insert the hex key in the end of the setting contact point shaft and turn counterclockwise until the setting contact point is behind the front edge of the moving clamping plate.
2. **Adjust the Dial Indicator.** Clamp the gauge pin between the clamping plates. The pin should be touching the center of the gauge foot.

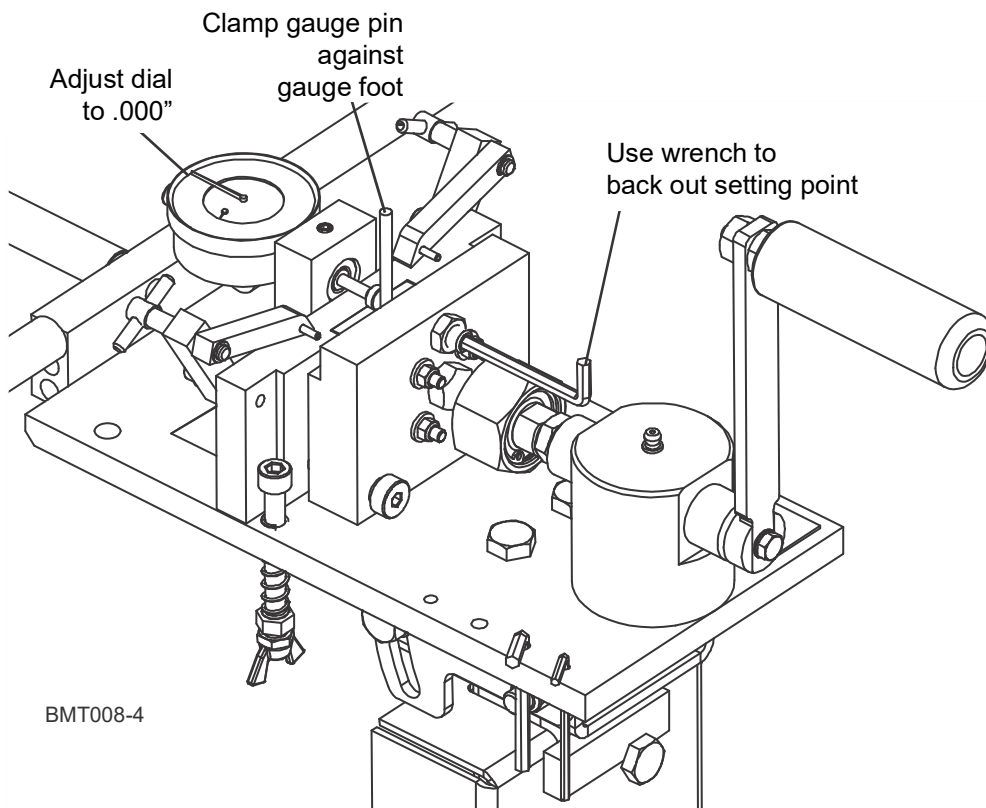


FIG. 2-5 BMT100-2

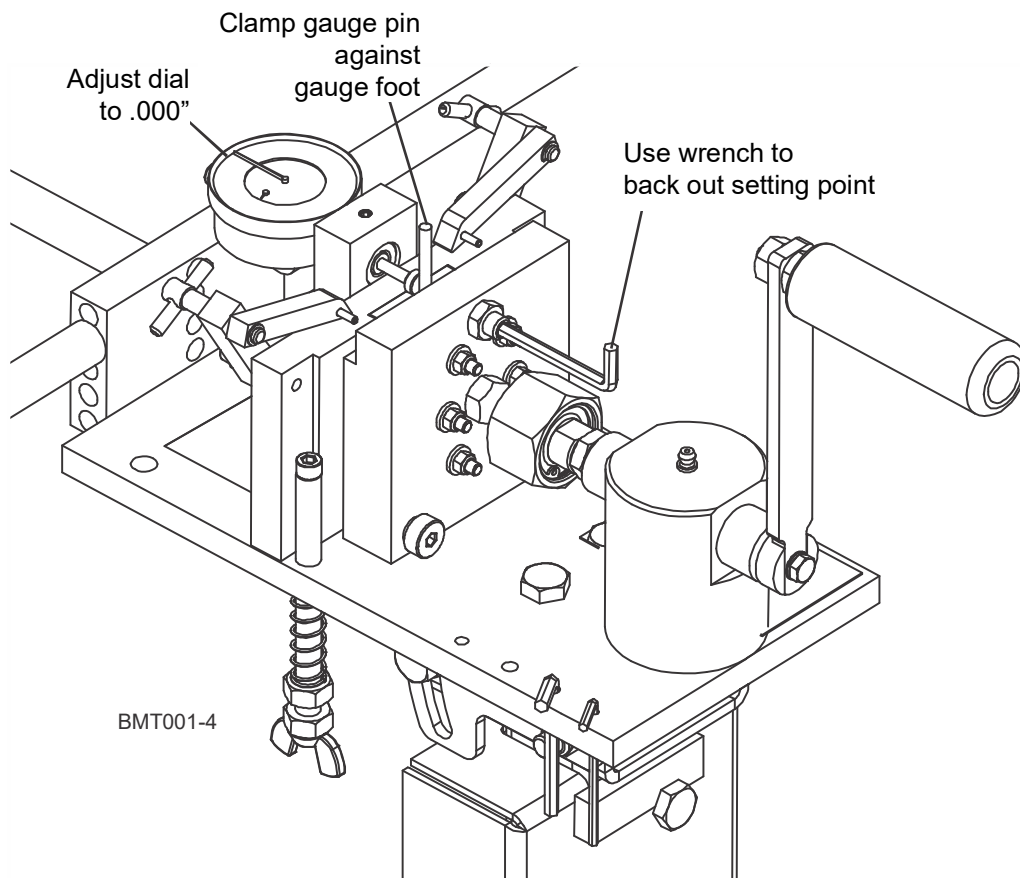
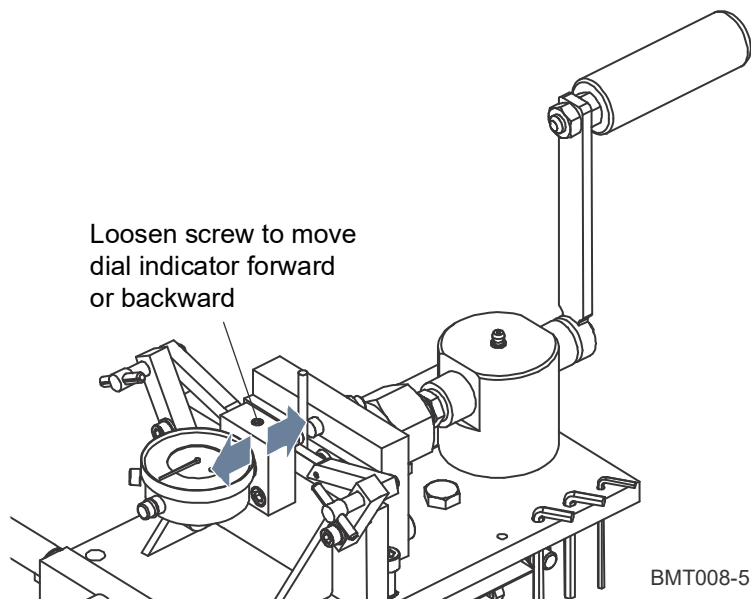
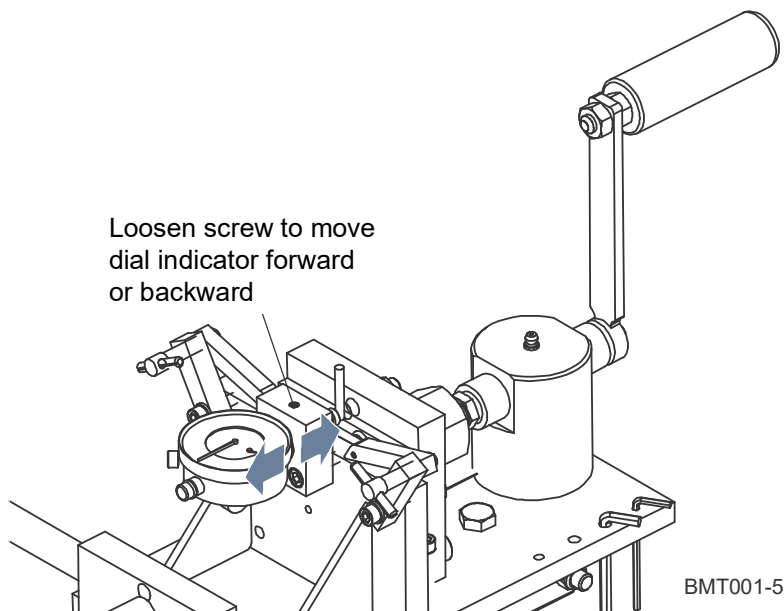


FIG. 2-5 BMT100-3

The dial indicator should read 0. If the dial indicator does not show 0, loosen the dial lock on the upper right side of the dial indicator. Rotate the dial indicator to 0 and retighten the dial lock.

Now, remove the gauge pin from the toothsetter clamp. The dial indicator should now read between $-.001$ and $-.005$.

See Figure 2-6. If the dial indicator does not read between $-.001$ and $-.005$ with nothing clamped, you will need to adjust the indicator position:

**FIG. 2-6 BMT100-2****FIG. 2-6 BMT100-3**

3. Reclamp the gauge pin centered on the gauge foot.
4. Loosen the locking screw at the top of the indicator mounting block. Move the indicator assembly back until the gauge foot does not touch the gauge pin.

5. Move the indicator assembly forward so the gauge foot touches the gauge pin and the gauge needle moves .001 - .005. Retighten the mounting block screw.
6. Rotate the dial face until the gauge reads zero.
7. Unclamp the gauge pin. The indicator should now read -.001 to -.005. If not, repeat steps 3 - 6.

SECTION 3 OPERATION



WARNING! Always wear gloves and eye protection when handling bandsaw blades. Changing blades is safest when done by one person! Keep all other persons away from area when coiling, carrying or changing a blade. Failure to do so may result in serious injury.

Once the toothsetter alignments have been checked and adjustments have been made, you are ready to measure and set blades.

Sharpening removes metal from the face of the tooth. This eventually reduces the set to a point where the blade will not cut very well. Set should not vary more than $(\pm)0.002$ from one tooth to the next and $(\pm)0.002$ from one side of the blade to the other side.

The following steps will take you through operation of the toothsetter.

Note: Refer to the [Wood-Mizer® Blade Handbook](#) for recommended set specifications for your sawing application.

3.1 Blade Installation

1. **Clean the blade and deburr before putting it in the toothsetter.** Otherwise, sap buildup on the blade or tooth will give false set readings. Metal burrs created by sharpening also will cause false readings.

Mount the blade in the toothsetter. Place blade between the clamping plates and on the three guide assemblies. **NOTE:** You will need to move both the left and right index pawl assemblies down and out of the way. These will be adjusted later.

- 2. Adjust crank handle for desired setting location.** The handle can be adjusted so that when the setting point contacts the blade, the handle is located in a desirable position. Loosen the jam nut on the crank handle shaft and rotate the adjustment nut to move it in or out to relocate the handle position. Retighten the jam nut.

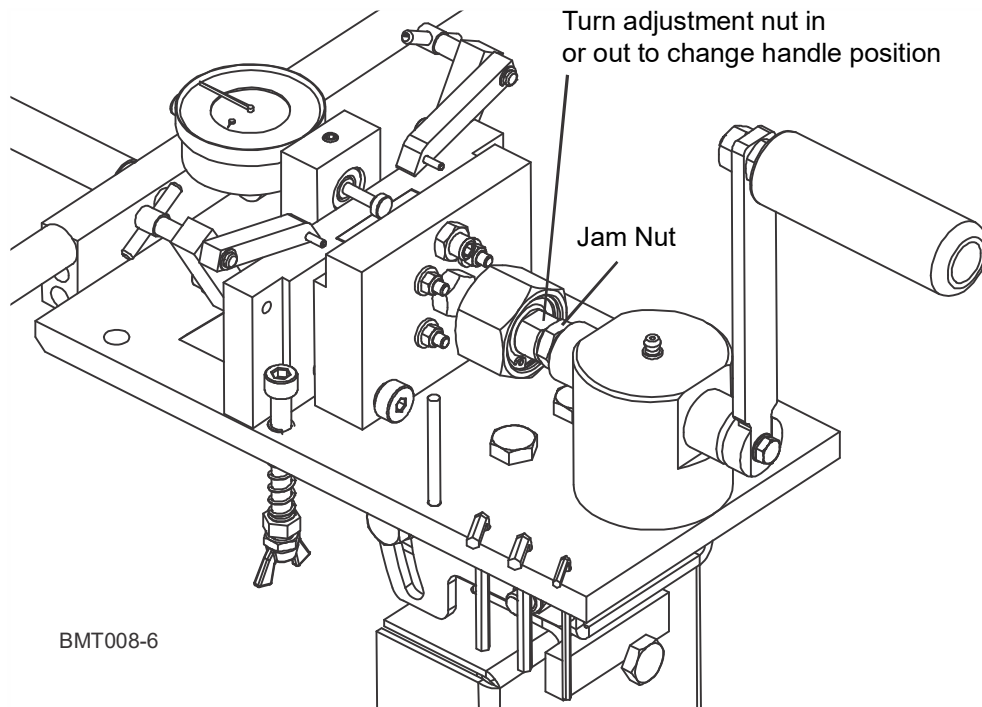


FIG. 3-0 BMT100-2

3 Operation
Blade Installation

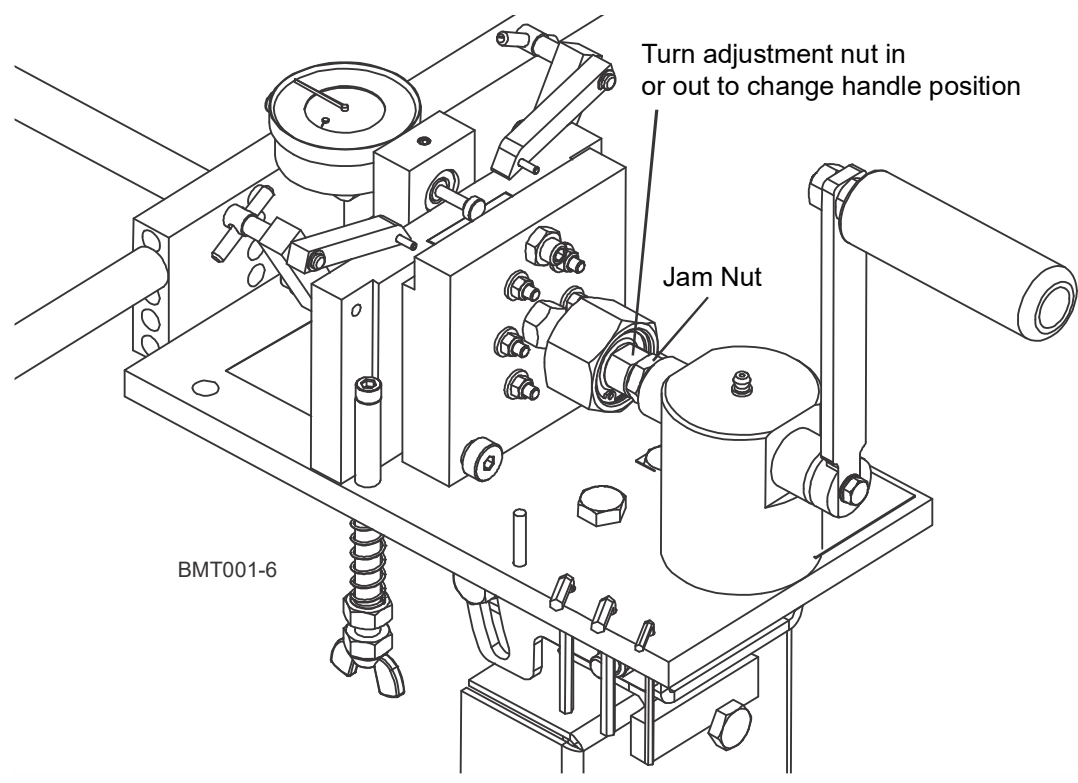


FIG. 3-0 BMT100-3

3.2 Toothsetter Adjustments

See Figure 3-1.

1. **Adjust the blade rest screws.** Rest the blade evenly on the two blade rest screws on each side of the clamp. Adjust the rest screws until the gullet of the blade lies just below the top of the clamp plates. (Deburring will remove burrs from the back side of the teeth, but may not remove burrs from the gullet area. Keeping the gullet out of the clamp assembly helps to assure accurate readings.)

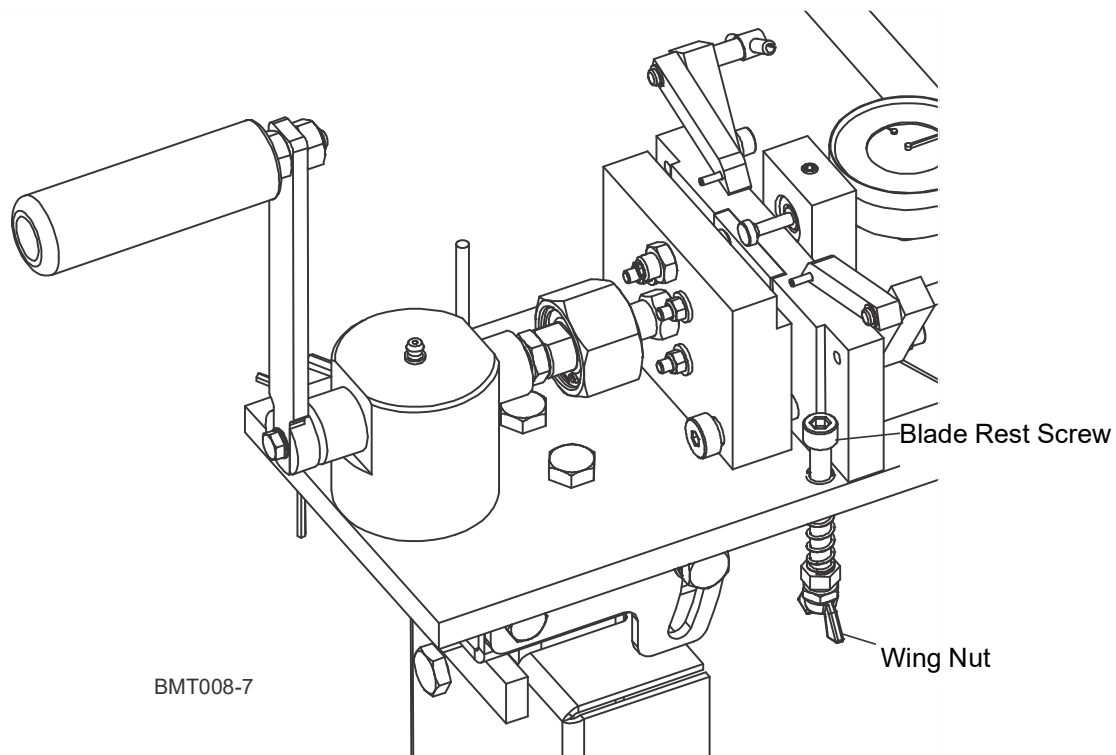
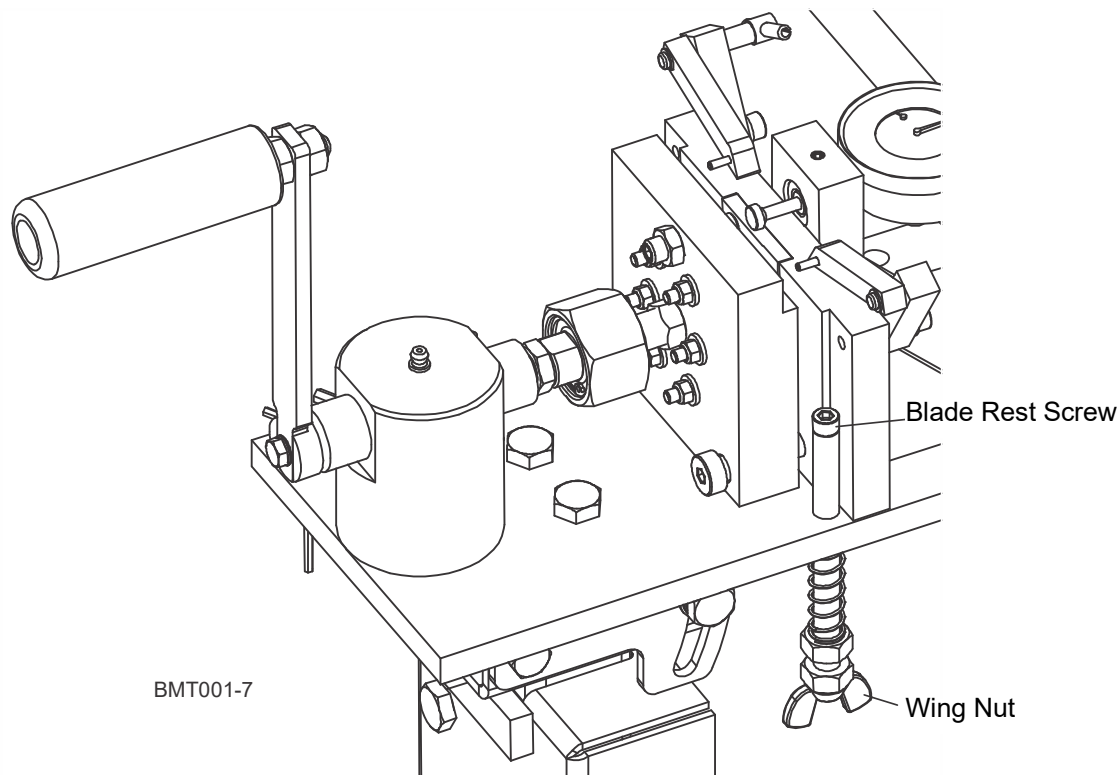


FIG. 3-1 BMT100-2

**FIG. 3-1 BMT100-3**

- 2. Make final adjustments to blade support arms and guide assemblies.** Adjust to assure the blade travels smoothly. Blade should rest on rear guide, but should not touch the bottom of either side guide assembly.
- 3. Adjust the setting contact point.** Position the blade so the gauge foot is in between two teeth. Use the hex key to bring the setting contact point towards the gauge foot until the dial indicator reads 15-20 thousandths.
- 4. Position the blade.** Turn the blade to bring a weld into the clamping/setting assembly. Use the weld as a reference point for starting and stopping. Start with the first tooth to the right (See NOTE) of the weld that has been set back toward the dial indicator.

NOTE: The toothsetter sets and measures the teeth which are set away from the operator and towards the dial indicator. To measure teeth set in the opposite direction, invert the blade and insert it in the toothsetter.

See Figure 3-2. Position that tooth in front of the gauge foot so the its edge is aligned with the center of the setting point.

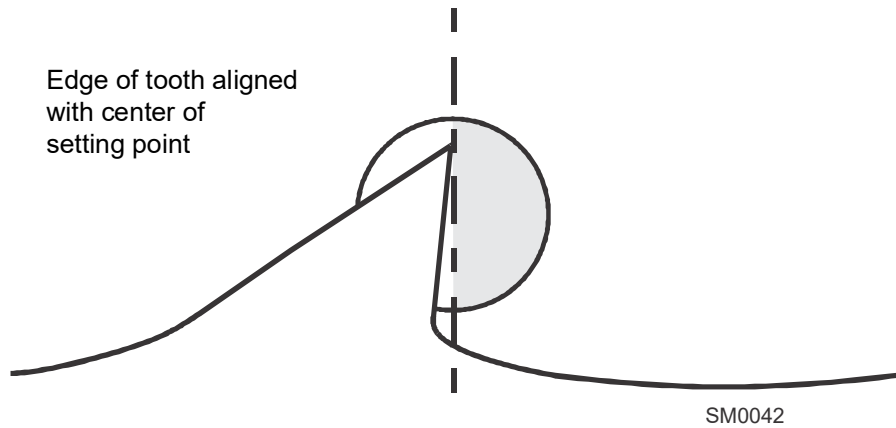


FIG. 3-2

- 5. The index pawls are factory-set for Wood-Mizer® Industrial blades with 7/8" tooth spacing.** Check the right (or left if the blade is inverted) side index pawl is firmly against the tooth two teeth to the right (or left) of the one being set. To adjust, loosen the index pawl screw with the hex key provided and move the pawl tight against the tooth. Retighten the screw.

3.3 Toothsetter Operation

NOTE: These instructions assume you are setting the blade starting with the blade not inverted. Set the first side of the blade using the right index pawl. After setting the first side of the blade, invert the blade and use the left index pawl when setting the other side of the blade.

1. **Set the blade.** Measure set by turning the crank handle clockwise, clamping the blade between the back clamping plate and the spring-loaded pins on the front clamping plate. Remember set should not vary more than $(\pm)0.002$ from one tooth to the next.

To add set, continue turning the crank handle to clamp in further on the blade. This brings the setting contact point against the tooth. The amount you will need to bend the tooth forward to get the desired set will vary. Recheck set and adjust as needed.

To decrease set, bend the tooth back with the slot in the correction tool provided. Recheck set and adjust as needed.

Slide the blade to the right until the third tooth from the one just set comes in front of the gauge foot. Push this tooth firmly against the index pawl. Check set by lightly cranking the handle until the spring-loaded pins in the clamping assembly push the blade against the back plate. Read the dial indicator. Adjust set as necessary (see above). Check every third tooth until you reach the weld.

2. **Set the opposite side of blade.** Remove the blade and invert it. Put the blade back in the toothsetter with the teeth pointing to the left. Repeat the above steps to set the teeth using the left side index pawl assembly. The amount that you must bend the teeth to end up with the same set as the first side of the blade probably will differ.
3. **Remove the blade.** Take the blade out of the toothsetter. Be sure the blade is turned to the correct side before putting it on the sawmill.

SECTION 4 MAINTENANCE

4.1 Toothsetter Maintenance

- Keep the toothsetter clean.
- Keep all moving parts lubricated with a light penetrating oil.
- Remove the clamping assembly occasionally and clean any debris that may have collected between the clamping plates.
- Apply grease to the fitting on the crank housing as needed so the crank turns easily.
- Apply grease to the two clamp socket head bolts.

See Figure 4-1.

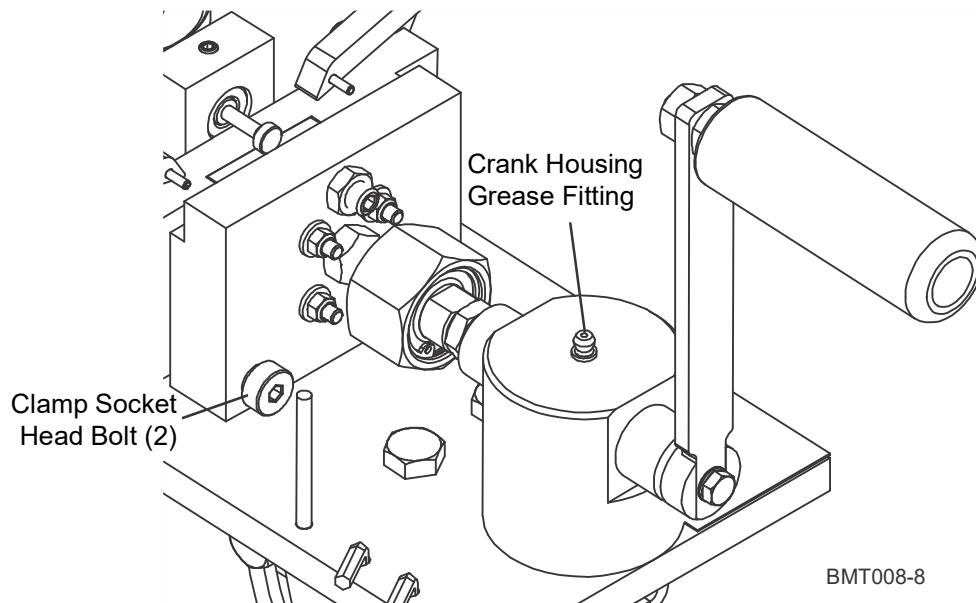


FIG. 4-1 BMT100-2

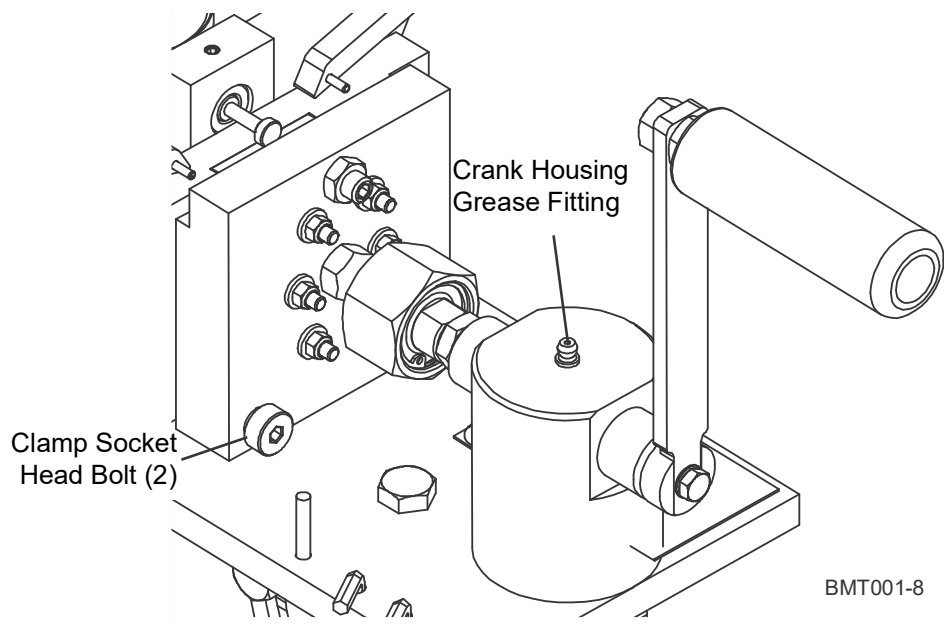


FIG. 4-1 BMT100-3

SECTION 5 REPLACEMENT PARTS

5.1 How To Use The Parts List

- Use the table of contents to locate the assembly that contains the part you need.
- Go to the appropriate section and locate the part in the illustration.
- Use the number pointing to the part to locate the correct part number and description in the table.
- Parts shown indented under another part are included with that part.

To Order Parts

- From the continental US, call **1-800-525-8100** to order parts. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

5.2 Sample Assembly

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	012345	SAMPLE ASSEMBLY, COMPLETE	INCLUDES ITEMS 1-6	1
1	F02222-22	Sample Part		1
2	F03333-33	Sample Part		2
	098765	Sample Subassembly	Includes items 3-6	1
3	S04444-44	Subassembly Sample Part		1
4	K55555	Subassembly Sample Part		1
	054321	Sample Sub-Subassembly	Includes items 5-6	2
5	022222	Sub-Subassembly Sample Part		1
6	F10234-56	Sub-Subassembly Sample Part		1

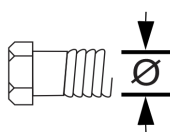
The Sample Assembly, Complete, part number 02345 (top level assembly) includes two parts (F0222-22 and F0333-33) and the 098765 subassembly.

Subassembly 098765 contains two parts(S04444-44 and K55555) and two copies of sub-subassembly 054321.

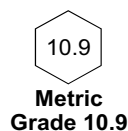
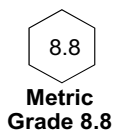
Each sub-subassembly 054321 contains two parts (022222 and F10234-56).

5.3 Torque Values

Grade		Units	SAE 5	SAE 8
Grade Mark				
Bolt Dia.	Threads Per In.	Units	SAE 5	SAE 8
6	32	in-lbs (Nm)	20 (2.3)	-
8	32	in-lbs (Nm)	24 (2.7)	30 (3.4)
10	24	in-lbs (Nm)	35 (4.0)	45 (5.1)
10	32	in-lbs (Nm)	40 (4.5)	50 (5.7)
12	24	in-lbs (Nm)	50 (5.7)	65 (7.3)
1/4	20	in-lbs (Nm)	95 (10.7)	125 (14.1)
1/4	28	in-lbs (Nm)	95 (10.7)	150 (17.0)
5/16	18	ft-lbs (Nm)	17 (22.6)	23 (31.2)
5/16	24	ft-lbs (Nm)	20 (27.1)	25 (33.8)
3/8	16	ft-lbs (Nm)	30 (40.7)	40 (54.2)
3/8	24	ft-lbs (Nm)	35 (47.5)	45 (61.0)
7/16	14	ft-lbs (Nm)	50 (67.8)	65 (88.1)
7/16	20	ft-lbs (Nm)	55 (74.6)	70 (94.9)
1/2	13	ft-lbs (Nm)	75 (101.7)	100 (135.6)
1/2	20	ft-lbs (Nm)	85 (115.3)	110 (149.2)
9/16	12	ft-lbs (Nm)	105 (142.4)	135 (183.1)
9/16	18	ft-lbs (Nm)	115 (155.9)	150 (203.4)
5/8	11	ft-lbs (Nm)	150 (203.4)	195 (264.4)
5/8	18	ft-lbs (Nm)	160 (217.0)	210 (284.8)
3/4	10	ft-lbs (Nm)	170 (230.5)	220 (298.3)
3/4	16	ft-lbs (Nm)	175 (237.3)	225 (305.1)
7/8	9	ft-lbs (Nm)	302 (409.5)	473 (640.9)
7/8	14	ft-lbs (Nm)	300 (406.8)	400 (542.4)
1	8	ft-lbs (Nm)	466 (631.8)	714 (967.4)

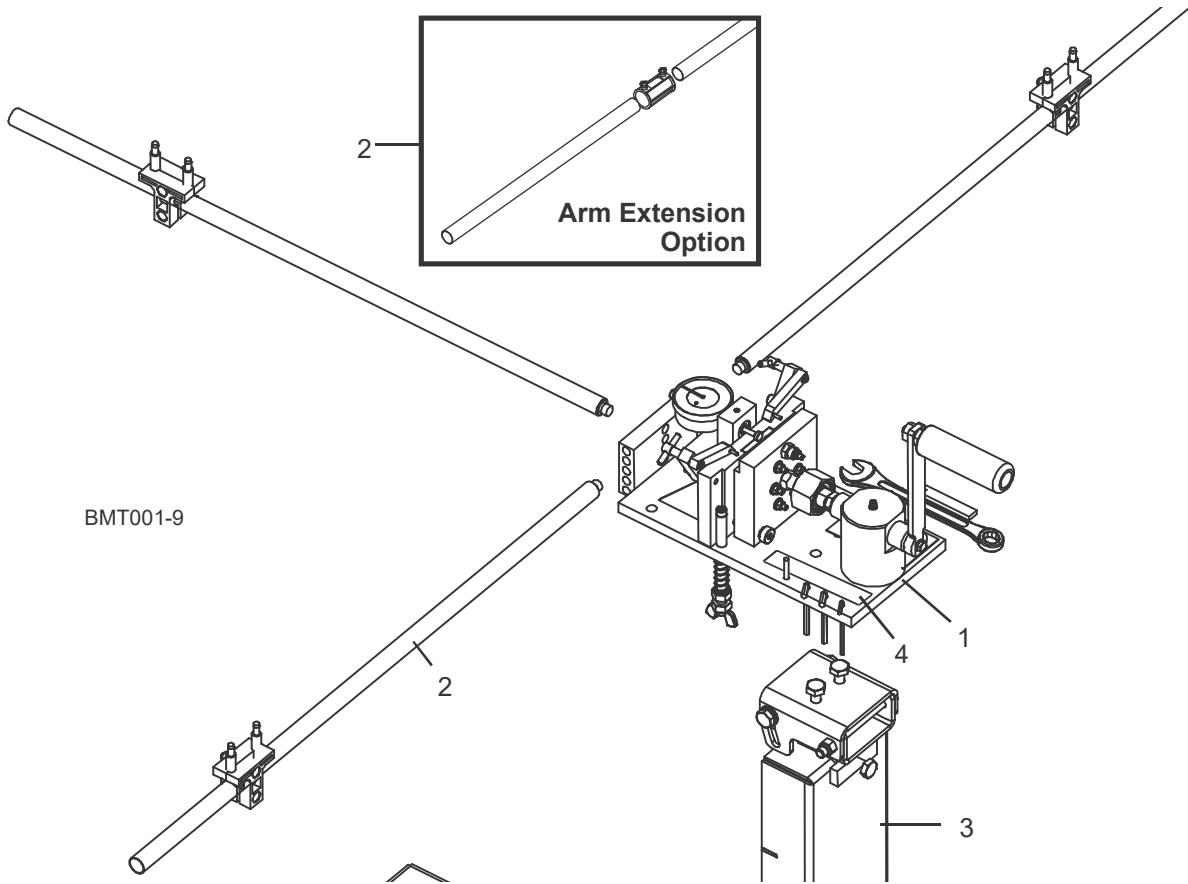


Metric Bolt Head Identification



COARSE THREAD					FINE THREAD				Wrench Size	
Diameter & Thread Pitch	Metric 8.8		Metric 10.9		Diameter & Thread Pitch	Metric 8.8		Metric 10.9		
	N-m	lbs-ft	N-m	lbs-ft		N-m	lbs-ft	N-m		lbs-ft
6 x 1.0	8	6	11	8					10 mm	
8 x 1.25	20	15	27	20	8 x 1.0	21	16	29	22	13 mm
10 x 1.5	39	29	54	40	10 x 1.25	41	30	57	42	16 mm
12 x 1.75	68	50	94	70	12 x 1.25	75	55	103	76	18 mm
14 x 2.0	109	80	151	111	14 x 1.5	118	87	163	120	21 mm
16 x 2.0	169	125	234	173	16 x 1.5	181	133	250	184	24 mm
18 x 2.5	234	172	323	239	18 x 1.5	263	194	363	268	27 mm
20 x 2.5	330	244	457	337	20 x 1.5	367	270	507	374	30 mm
22 x 2.5	451	332	623	460	22 x 1.5	495	365	684	505	34 mm
24 x 3.0	571	421	790	583	24 x 2.0	623	459	861	635	36 mm
30 x 3.0	1175	867	1626	1199	30 x 2.0	1258	928	1740	1283	46 mm

5.4 Toothsetter Parts

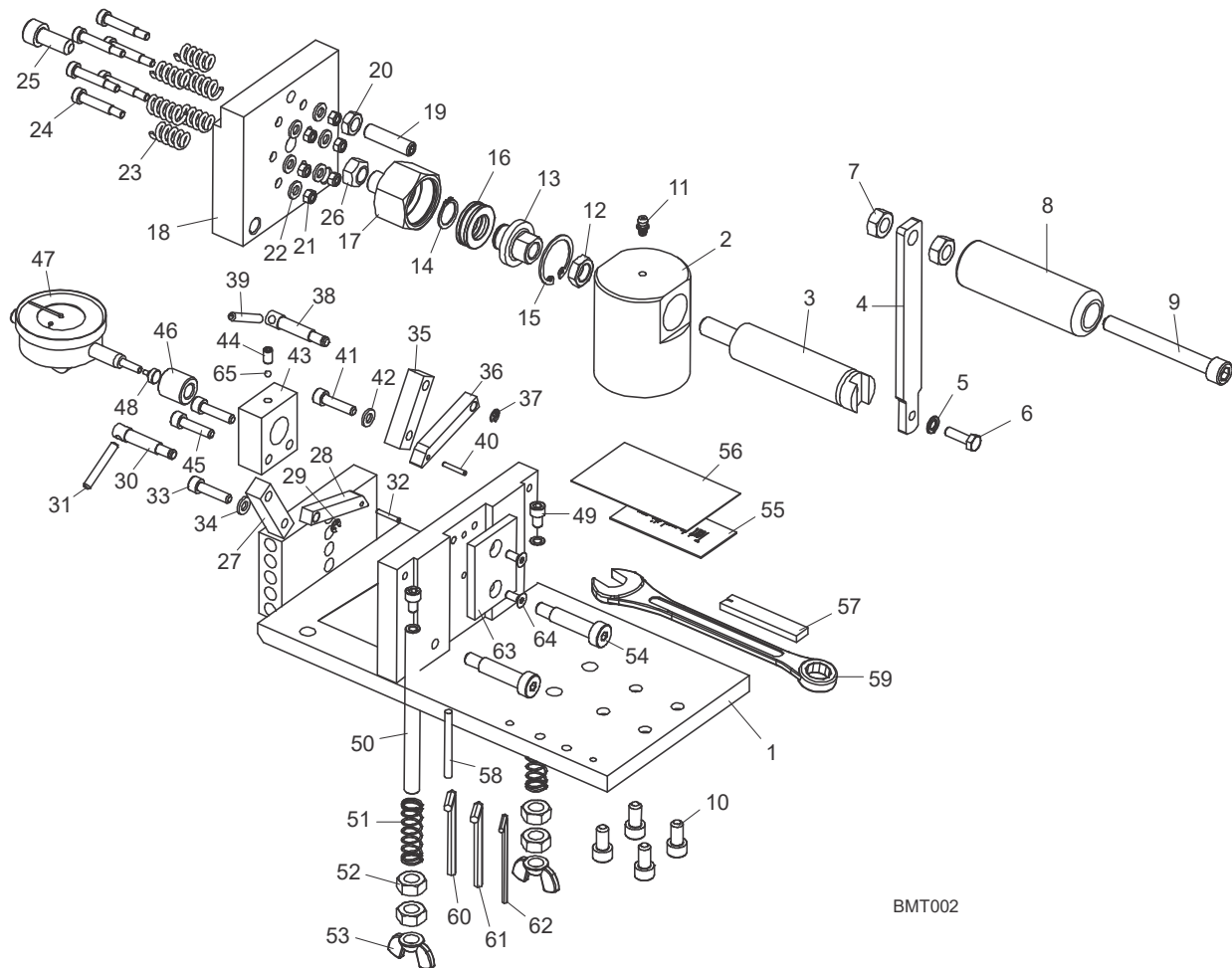


REF	PART #	DESCRIPTION	COMMENTS	QTY.
	BMT100-3	TOOTHSETTER, BMT100-3 SINGLE MANUAL (3" BLADE)		1
	BMT100-2	TOOTHSETTER, BMT100-2 SINGLE MANUAL (2" BLADE)		1
1		BMT100-3 Toothsetter Parts ()	See Section 5.5	
		BMT100-2 Toothsetter Parts ()	See Section 5.6	
2		Blade Support Arm Parts	See Section 5.7	
3		TOOTHSETTER STAND ASSEMBLY	See Section 5.8	
4	066703	DECAL, BMT100 LOGO		1
	M600	MANUAL, BLADE HANDBOOK		1

5 Replacement Parts

Toothsetter Assembly (BMT100-3 Only)

5.5 Toothsetter Assembly (BMT100-3 Only)



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	066725	TOOTHSETTER ASSEMBLY, BMT100 CRANK-STYLE		1
1	066744	Base Weldment, Toothsetter		1
	066726	Crank Assembly, Toothsetter		1
2	066761	Block, Crank Toothsetter		1
3	066730	Screw, Toothsetter Crank Acme		1
4	066731	Handle, Toothsetter Crank		1
5	F05026-2	Washer, M6 Split Lock		1
6	F05020-6	Bolt, M6-1 x 20 Hex Head Class 5		1
7	F05010-85	Nut, M10-1.5 Hex		2
8	066675	Handle, 13/32" ID x 1 1/4" OD x 4" Plastic		1

Replacement Parts

Toothsetter Assembly (BMT100-3 Only)

5

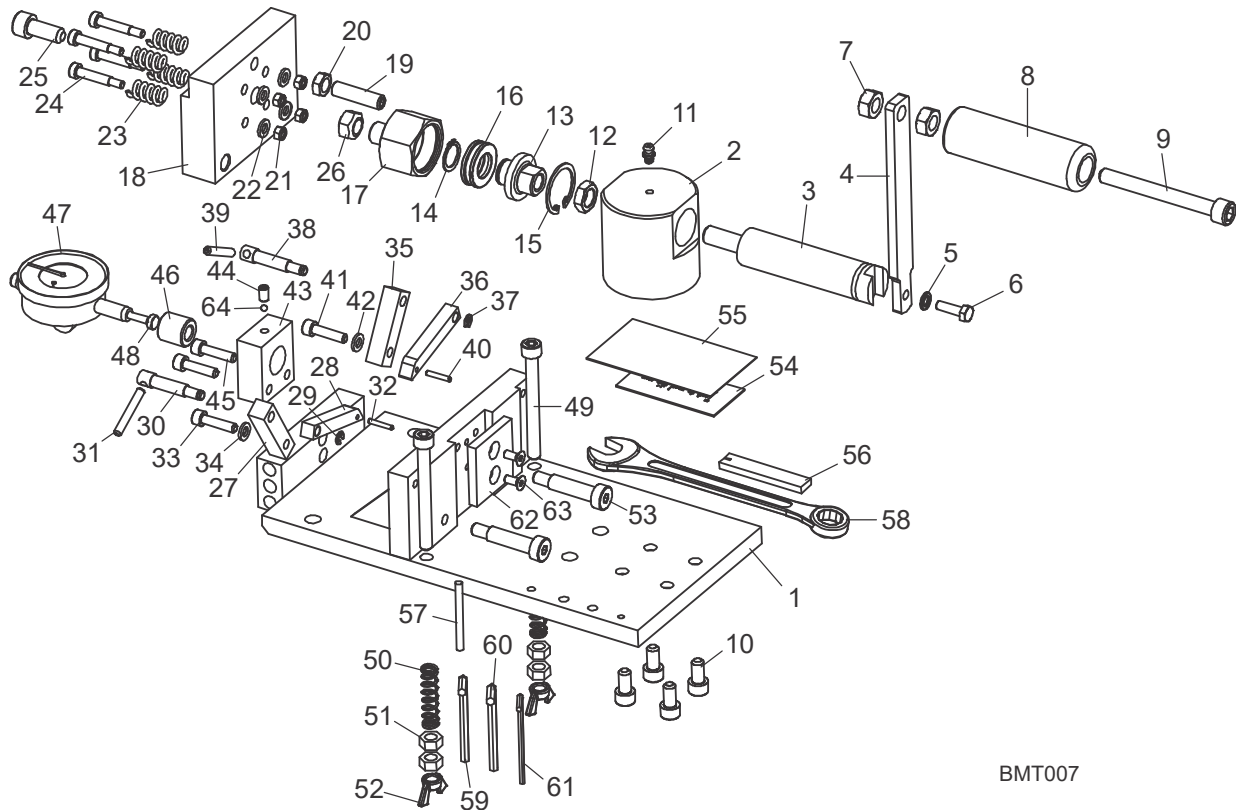
REF	PART #	DESCRIPTION	COMMENTS	QTY.
9	F05022-6	Bolt, M10-1.5 x 90 Socket Head		1
10	F05021-10	Bolt, M8-1.25 x 16 Socket Head		4
11	P04107	Fitting, 3/16-3/16 Straight Grease		1
12	F05027-4	Nut, M12 x 1/5 8.8 Hex Jam		1
13	066729	Spinner, Toothsetter Crank		1
14	F04254-16	Ring, 17mm OR Din #471 Retaining		1
15	F81090-5	Ring, 32mm IR Retaining		1
16	086675	Bearing, 51103 FLT Ball Thrust		1
17	066728	Housing, Toothsetter Crank Spinner		1
	066732	Clamp Assembly, Crank Toothsetter Moving		1
18	066733	Plate, Toothsetter Moving Clamp		1
19	F05007-98	Screw, 3/8-24 x 1 1/2" Oval Point Socket Set		1
20	F05010-22	Nut, 3/8-24 Hex Jam		1
21	F05027-3	Nut, M5-0.8 Class 8 Hex Nylon Lock		6
22	F05026-1	Washer, M6 Flat Class 4		6
23	004750	Spring, 1/2" x 1" Red Die		6
24	F05020-21	Bolt, 6mm x 25mm Shoulder Plain		6
25	F05022-12	Bolt, M10-1.5 x 25 Socket Head		1
26	F05027-5	Nut, 3/8-16 Hex Lock		1
	066736	Pawl Assembly, Left Index		1
27	066743	Block, M8 x 1.25 Index Adjustment		1
28	066739	Pawl, 3/8" Pawl Index	Available in assemblies only.	1
29	F05028-3	E-Clip, 4mm ID		1
30	066738	Shaft, Metric Pawl Pivot		1
31	F05029-10	Nut, 5mm x 36mm Roll		1
32	F05029-11	Pin, 3mm x 18mm Roll		1
33	F05020-22	Bolt, M6-1 x 25 Socket Head		1
34	F05026-1	Washer, M6 Flat Class 4		1
	066737	Pawl Assembly, Right Index		1
35	066743	Block, M8 x 1.25 Index Adjustment		1
36	066739	Pawl, 3/8" Pawl Index	Available in assemblies only.	1
37	F05028-3	E-Clip, 4mm ID		1
38	066738	Shaft, Metric Pawl Pivot		1
39	F05029-10	Nut, 5mm x 36mm Roll		1
40	F05029-11	Pin, 3mm x 18mm Roll		1
41	F05020-22	Bolt, M6-1 x 25 Socket Head		1
42	F05026-1	Washer, M6 Flat Class 4		1
43	066735	Block, Toothsetter Gauge Mount		1
44	F05020-20	Screw, M6-1 x 10 Socket Set Flat Point Set		1
45	F05020-22	Bolt, M6-1 x 25 Socket Head		2
	061771	Gauge Assembly, Toothsetter Indicator		1
46	032329	Bushing, Gauge Stem		1

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Replacement Parts*Toothsetter Assembly (BMT100-3 Only)*

REF	PART #	DESCRIPTION	COMMENTS	QTY.
47	P04780	Gauge Dial, Indicator	Available in assemblies only.	1
48	P04716-2	Foot, Gauge (Short .403")		1
	066748	Screw Assembly, Blade Adjustment		2
49	F05020-19	Screw, M6-1 x 10 Socket Head		1
50	066747	Rod, Blade Adjuster		1
51	066749	Spring, 0.54 OD x 1.75 Lx.045 WD		1
52	F05010-85	Nut, M10-1.5 Hex		2
53	F81033-8	Nut, M10 Wing		1
54	F05022-11	Bolt, 10mm x 35mm Socket Head Shoulder Plain		2
55	016187-TSC	Decal, LTTSG-C Revision		1
56	016200	Overlayment, Revision Decal		1
57	004754	Tool, Set Correction		1
58	F05012-148	Pin, 3/16" x 2" Dowel		1
59	066760	Wrench, 9/16" Combination		1
60	P06147	Wrench, 3/16" Hex		1
61	066758	Key, 5mm Hex Wrench		1
62	066759	Key, 3mm Hex Wrench		1
63	066745	Plate, Toothsetter Wear		1
64	F05020-11	Bolt, M5-.8 x 12 Socket Head		2
65	060549	Ball, 3/16" High-Impact Polystyrene		1
	M2025	Manual, BMT100 Operator's		1

5.6 Toothsetter Assembly (BMT100-2 Only)



BMT007

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	077390	TOOTHSETTER ASSEMBLY, BMT100-2 CRANK-STYLE		1
1	077382	Base Weldment, 2" Toothsetter		1
	077389	Crank Assembly, Toothsetter		1
2	077380	Block, 2" Crank Toothsetter		1
3	066730	Screw, Toothsetter Crank Acme		1
4	066731	Handle, Toothsetter Crank		1
5	F05026-2	Washer, M6 Split Lock		1
6	F05020-6	Bolt, M6-1 x 20 Hex Head Class 5		1
7	F05010-85	Nut, M10-1.5 Hex		2
8	066675	Handle, 13/32" ID x 1 1/4" OD x 4" Plastic		1
9	F05022-6	Bolt, M10-1.5 x 90 Socket Head		1
10	F05021-10	Bolt, M8-1.25 x 16 Socket Head		4
11	P04107	Fitting, 3/16-3/16 Straight Grease		1

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Replacement Parts

Toothsetter Assembly (BMT100-2 Only)

REF	PART #	DESCRIPTION	COMMENTS	QTY.
12	F05027-4	Nut, M12 x 1/5 8.8 Hex Jam		1
13	066729	Spinner, Toothsetter Crank		1
14	F04254-16	Ring, 17mm OR Din #471 Retaining		1
15	F81090-5	Ring, 32mm IR Retaining		1
16	086675	Bearing, 51103 FLT Ball Thrust		1
17	066728	Housing, Toothsetter Crank Spinner		1
	077388	Clamp Assembly, Crank Toothsetter Moving		1
18	077387	Plate, 2" Toothsetter Moving Clamp		1
19	F05007-98	Screw, 3/8-24 x 1 1/2" Oval Point Socket Set		1
20	F05010-22	Nut, 3/8-24 Hex Jam		1
21	F05027-3	Nut, M5-0.8 Class 8 Hex Nylon Lock		4
22	F05026-1	Washer, M6 Flat Class 4		4
23	004750	Spring, 1/2" x 1" Red Die		4
24	F05020-21	Bolt, 6mm x 25mm Shoulder Plain		4
25	F05022-12	Bolt, M10-1.5 x 25 Socket Head		1
26	F05027-5	Nut, 3/8-16 Hex Lock		1
	066736	Pawl Assembly, Left Index		1
27	066743	Block, M8 x 1.25 Index Adjustment		1
28	066739	Pawl, 3/8" Pawl Index	Available in assemblies only.	1
29	F05028-3	E-Clip, 4mm ID		1
30	066738	Shaft, Metric Pawl Pivot		1
31	F05029-10	Nut, 5mm x 36mm Roll		1
32	F05029-11	Pin, 3mm x 18mm Roll		1
33	F05020-22	Bolt, M6-1 x 25 Socket Head		1
34	F05026-1	Washer, M6 Flat Class 4		1
	066737	Pawl Assembly, Right Index		1
35	066743	Block, M8 x 1.25 Index Adjustment		1
36	066739	Pawl, 3/8" Pawl Index	Available in assemblies only.	1
37	F05028-3	E-Clip, 4mm ID		1
38	066738	Shaft, Metric Pawl Pivot		1
39	F05029-10	Nut, 5mm x 36mm Roll		1
40	F05029-11	Pin, 3mm x 18mm Roll		1
41	F05020-22	Bolt, M6-1 x 25 Socket Head		1
42	F05026-1	Washer, M6 Flat Class 4		1
43	066735	Block, Toothsetter Gauge Mount		1
44	F05020-20	Screw, M6-1 x 10 Socket Set Flat Point Set		1
45	F05020-22	Bolt, M6-1 x 25 Socket Head		2
	061771	Gauge Assembly, Toothsetter Indicator		1
46	032329	Bushing, Gauge Stem		1
47	P04780	Gauge Dial, Indicator	Available in assemblies only.	1
48	P04716-2	Foot, Gauge (Short .403")		1
	077378	Adjuster Assembly, Blade Height		2

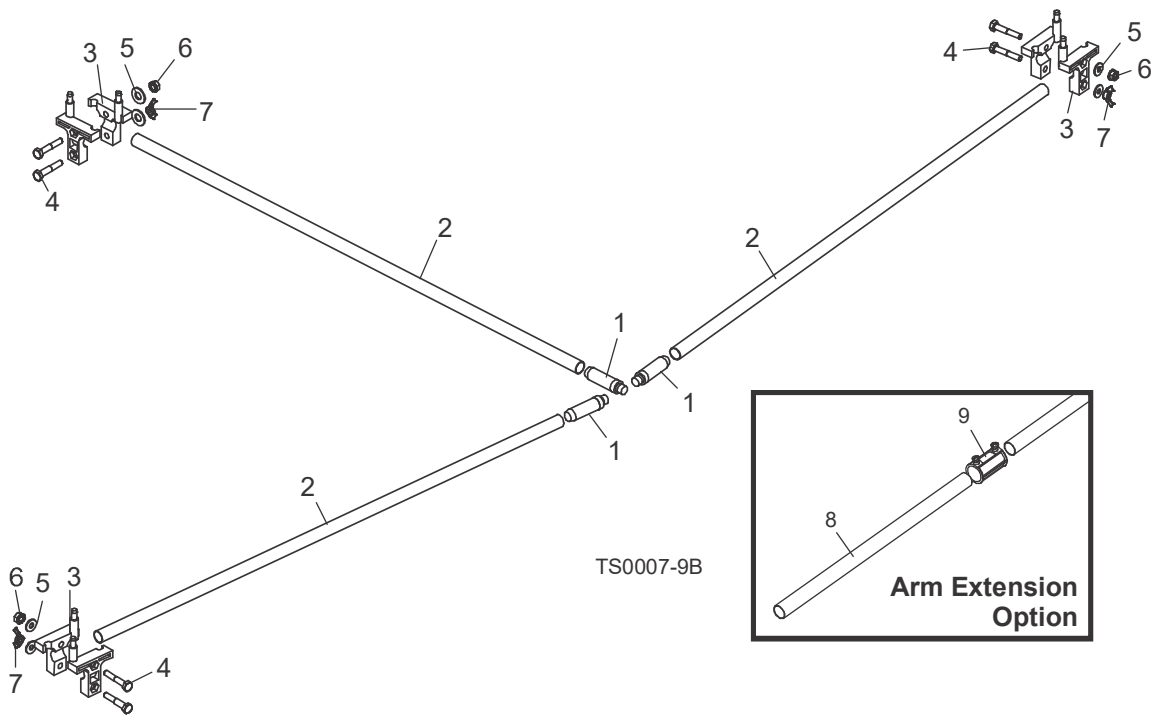
Replacement Parts*Toothsetter Assembly (BMT100-2 Only)***5**

REF	PART #	DESCRIPTION	COMMENTS	QTY.
49	F05022-35	Screw, M10-1.5 x 90 Socket Head Full Thread		1
50	066749	Spring, 0.54 OD x 1.75 Lx.045 WD		1
51	F05010-85	Nut, M10-1.5 Hex		2
52	F81033-8	Nut, M10-1.5 Wing		1
53	F05022-11	Bolt, 10mm x 35mm Socket Head Shoulder Plain		2
54	016187-TSC2	Decal, LTTSG-C Revision		1
55	016200	Overlayment, Revision Decal		1
56	004754	Tool, Set Correction		1
57	F05012-148	Pin, 3/16" x 2" Dowel		1
58	066760	Wrench, 9/16" Combination		1
59	P06147	Wrench, 3/16" Hex		1
60	066758	Key, 5mm Hex Wrench		1
61	066759	Key, 3mm Hex Wrench		1
62	077381	Plate, 2" Toothsetter Wear		1
63	F05020-11	Bolt, M5-.8 x 12 Socket Head		2
64	060549	Ball, 3/16" High-Impact Polystyrene		1
	M2025	Manual, BMT100 Operator's		1

5 Replacement Parts

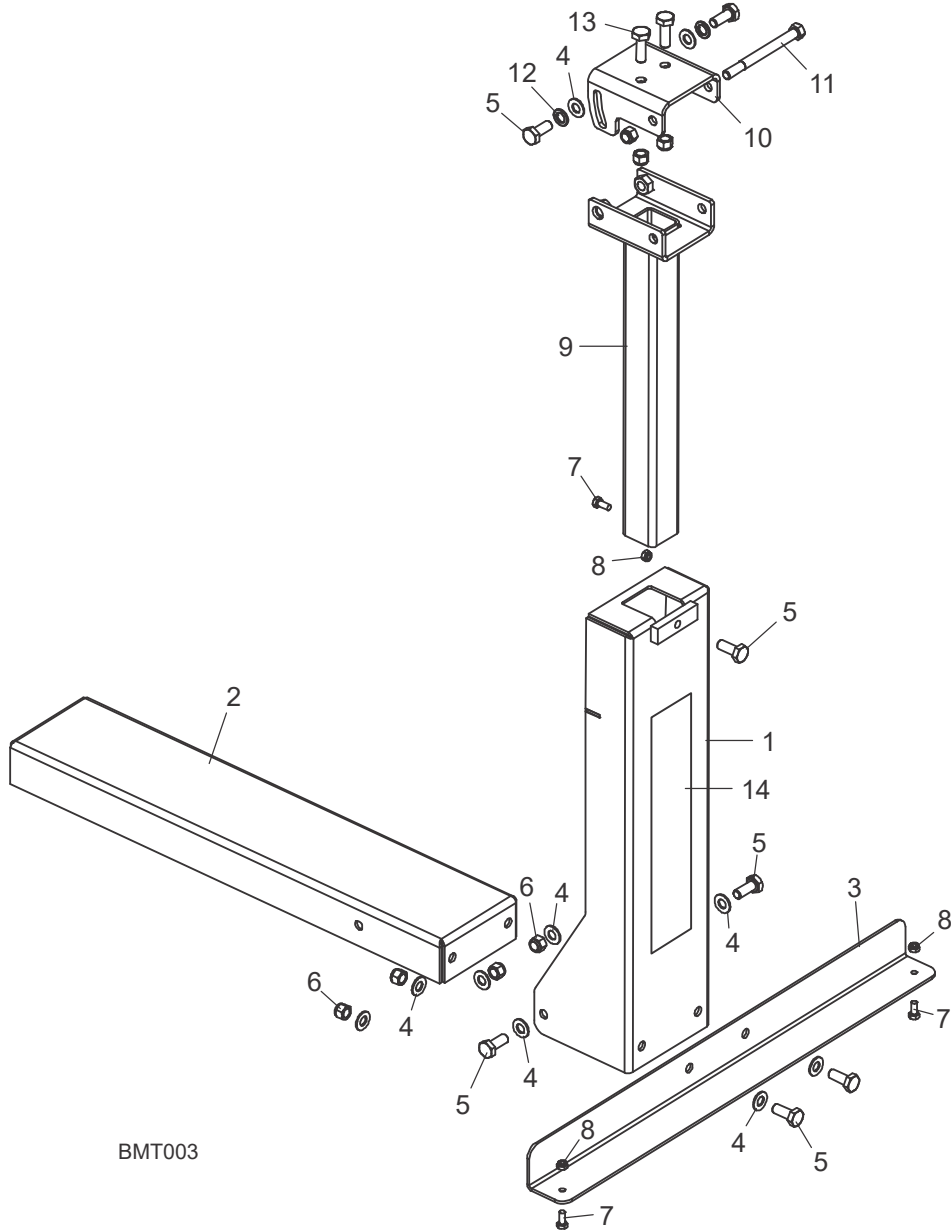
Blade Support Arms

5.7 Blade Support Arms



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	A04545	ARM KIT, BLADE SUPPORT		1
	A04550	Tube Assembly, Blade Support		3
1	P04552	Plug, Tube Support		1
2	M04551	Tube, Blade Support	Available in assemblies only.	1
	A10617	Blade Support Support Assembly, Replacement		1
	A10615	Bag Assembly, Blade Support		1
3	S10611	Guide W/Post, Blade Support		6
4	F05005-5	Bolt, 1/4-20 X 1 1/2" Hex Head Grade 2		6
5	F05011-11	Washer, 1/4" SAE Flat		6
6	F05010-9	Nut, 1/4-20 Self-Locking		3
7	F05010-13	Nut, 1/4-20 Wing		3
	A20912	EXTENSION KIT, BLADE SUPPORT ARM	Includes left and right blade support arms. Rear support not required.	1
8	S10625	Arm, Support Arm 12" Extension		4
9	P04587	Coupler, 1/2" EMT Conduit		4
	M20913-391	Instruction Sheet, Blade Support Arm Extension Kit		1

5.8 Stand Assembly (Optional)



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	066750	STAND ASSEMBLY, TOOTHSETTER (OPTIONAL)		1
1	066754	Post Weldment, Toothsetter Stand		1
2	057901	Channel, Toothsetter Stand Base		1

5**Replacement Parts**
Stand Assembly (Optional)

REF	PART #	DESCRIPTION	COMMENTS	QTY.
3	057904	Angle, Toothsetter Stand Base		1
4	F05011-3	Washer, 3/8" SAE Flat		10
5	F05004-48	Bolt, M10-1.5 x 25mm Hex Head Full Thread 8.8		7
6	F05004-270	Nut, M10-1.5 Hex Nylon Lock		7
7	F05020-7	Bolt, M6-1 x 14 Class 8 Hex Head		3
8	F05010-200	Nut, M6-1.0 Hex Nylon Lock		3
9	066757	Tube Weldment, Slide		1
10	066746	Bracket, Top Pivot		1
11	F05022-13	Bolt, M10-1.5 x 110 Class 8 Hex Head		1
12	F05011-88	Washer, 10mm Split Lock		2
13	F05022-3	Bolt, M10-1.5 x 30 Class 8 Hex Head		2
14	074171	Decal, BMT100 Logo (Stand)		1

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