

4.

Machines.

Warning: To avoid serious injury and ensure best results for your tapping operation, please read carefully all operator and safety instructions provided for this tapping unit as well as all other safety instructions that are applicable, especially those for your machine.

- 1. **Proper Clothing:** The rotating spindle of a machine tool can snag loose fitting clothing, jewelry or long hair. Never wear jewelry, long sleeves, neckties, gloves or anything else that could become caught when operating a machine tool. Long hair **must** be restrained or netted to prevent it from becoming entangled in rotating spindle.
- Proper Eye Protection: Always wear safety glasses with side shields to protect your eyes from flying particles.
- 3. Proper Work Piece Fixturing: Never hold the work piece or the vise it is held in by hand. The workpiece **must** be clamped firmly to the table of the machine so that it cannot move, rotate or lift.

Proper Stop Arm/Torque Bar Installation for Self-Reversing Attachments On Conventional





Always mount a torque bar to hold the tapping attachments stop arm from rotating. The torque bar **must** be mounted securely to the table or quill of your machine. The torque bar installation must be stronger than the largest tap in the capacity range of your tapping attachment. The surface of the torque bar **must be smooth** to allow the stop arm to slide freely when feeding in and out of the hole. Order Tapmatic Torque Bars

shown.

1	Quill Clamp Capacity Ø	Order No.	Max Tap Size		
۲	1 1/2"-2 3/8" 38-60 mm	29099	1/2" or M12		
	2 3/8"-4 1/2" 60-114 mm	290991	3/4" or M20		

Torque Bar Assembly	Order No.	Max Tap Size
Table Mount	29097	3/4" or M20
Heavy Duty Table Mount	29096	1 3/4" or M42

Never extend the length of the standard stop arm supplied with your tapping attachment. A lengthened stop arm could break free hitting the operator and causing serious injury.

Never hold the stop arm by hand. On reversal, full power of the machine is transmitted through the stop arm and the operator could be seriously injured.

5. Do not exceed the maximum speed for the tapping head: Speed is a critical factor in tapping. Please always refer to recommended tapping speed chart. Tapmatic torque control reversing tap-

ping attachments employ a planetary gear for increased speed in reverse. The revolutions per minute when reversing out of the hole will be 1.75 times faster than the machine spindle speed. It is strongly recommended that you consider the Average Tapping Speed rather than machine speed when calculating cycle time. For example if machine speed is 1500 RPM, reverse speed is 2625 RPM making your Average Tapping Speed 2062 RPM. You must not exceed the maximum allowable speed marked on your tapping attachment.

6. Always be aware of the potential hazards of a machining operation: Sometimes working with your machine can seem routine. You may find that you are no longer concentrating on the operation. A feeling of false security can lead to serious injury. Always be alert to the dangers of the machines with which you work. Always keep hands, parts of the body, clothing, jewelry and hair out of the areas of operation when the machine spindle is rotating. Areas of operation include the immediate point of machining and all transmission components including the tapping attachment. **Never** bring your hand, other parts of the body or anything attached to your person into any of these areas until the machine spindle is completely stopped.



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Warning: To avoid serious injury and ensure best results for your tapping operation, please read carefully all operator and safety instructions provided for this tapping unit as well as all other safety instructions that are applicable, especially those for your machine.

7. Be aware of any other applicable safety instructions/requirements especially those for your machine.

8. The tapping attachment housing, drive spindle and tap itself can become hot to the touch after operation. Use caution when removing the attachment from the machine or handling.

Check List For Good Tapping

- 1. Never use this tapping attachment before reading all safety instructions for it as well as the machine it is to be used on.
- 2. Be sure tap is sharp and of correct design for your application.
- 3. Be sure tap is in proper alignment with the drilled hole.
- 4. Be sure the machine speed is correct.
- 5. Be sure you are following the correct feed rate for the tap based on the pitch of the tap and revolutions per minute.
- 6. Make sure the drilled hole is the correct size.
- 7. Be sure the machine stop is set correctly to avoid hitting the bottom of a blind hole. See Controlled Depth Tapping.
- 8. Be sure to allow for sufficient chip clearance especially when tapping blind holes.
- 9. Make sure the work piece is clamped rigidly so that it is not able to move, rotate, or lift.
- 10. Make sure there is enough clearance between the tap and work piece at the starting position and the retract position to be sure the tap is clear of the hole upon retraction. Remember the tapping attachment spindle extends during reversal out of the hole.
- 11. Make sure to mount a strong torque bar from the table of the machine, or to the non-rotating quill, to prevent the stop arm from rotating. The torque bar must be stronger than the largest tap in the tapping attachments capacity. It must also have a smooth surface so that the stop arm slides freely when feeding in and out of the hole.
- 12. Make sure to use the proper cutting fluid/lubricant for the application.

References for this safety information include but are not limited to: American National Standards Institute, ANSI B11.8-1983, Coastal Video Communications Corporation Machine Guarding Copy right 1994, Society of Manufacturing Engineers Tool and Manufacturing Engineers Handbook Volume 1 Machining Library of Congress Catalog No 82-060312



Safety and Operation for TC/DC Self Reversing Tapping Attachments

This tapping attachment can be used on all types of manually operated machines with rotating spindles. It can also be used in many automated applications. **IMPORTANT** Always follow all instructions from your machine manufacturer.

Installing the Arbor into the tapping attachment: Clean the thread or taper of both the arbor and the mount of the tapping head. Then install the arbor into the mount securely.

If it is a taper mount, twist the arbor as you push it into the tapping heads mount. Then use a mallet to give a sharp blow to the end of the arbor, to seat it into the taper mount of the tapping head.

To remove a taper mount arbor, give the arbor several sharp blows on the side using a mallet.



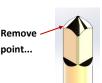
Installing a Rubber Flex Collet into the tap chuck nut:





Then push and thread nut over the collet.





So tap square will go into back jaw fully

If the tap has a male center, it should be ground off:



Tightening the back jaws and the nut:





3. Lightly tighten the nut by hand. This holds the tap concentric.

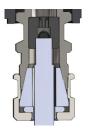


5. Tighten the collet nut with the wrenches



Note: In order to insure the tap runs concentrically, and avoid damage to back jaws or collet, it is important to follow the above steps.

30X and 30TC/DC



The smaller models do not have an adjustable back jaw. Instead they have a fixed tap jaw with three slots. Simply slide the tap into the jaw fully so that the tap square fits into the correct slot in the tap jaw. Please note that the two set screws are only for driving and retaining the tap jaw. They are not intended to tighten against the tap square.



In order for the Tapping Head to reverse, the stop arm must be prevented from rotating.

See also Proper Stop Arm/Torque Bar Installation on page 1.

Use the retaining ring to mount the stop arm to the gear carrier at the bottom of the housing.



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Safety and Operation for TC/DC Self Reversing Tapping Attachments

exceed the maximum speed for tapping attachment shown on the housing.														
Material	Low	High-	Tool	SS 303,	SS 410,	SS 17-4	Titan.	Ni	Alum	Alum	Magn.	Brass,	Copper	Cast
	Carbon	Carbon	Steel	304,	430,	Anneal.	Alloys	Alloys	Alloys	Die		Bronze		Iron
	Steel	Steel	Hard	316	17-4					cast				
					Hard									
M/min	10-20	8-12	4-6	6-12	3-5	6-12	4-8	3-5	15-25	10-15	15-25	15-25	8-12	10-20
(ft/min)	(33-66)	(26-39)	(13-20)	(20-39)	(10-16)	(20-39)	(13-26)	(10-16)	(49-82)	(33-49)	(49-82)	(49-82)	(26-39)	(33-66)
			L	<u> </u>										
RPM = <u>(M/min) x 318.5</u>					RPM = <u>(ft/min) x 3.82</u>									

Tapping Speeds: The following speed recommendations are for reference only. Please consult tap manufacturer for your specific tap. Do not

Tap Diameter in mm

Tap Diameter inch

Setting the pre-selective torque control: The torque control helps prevent tap breakage, especially



Clutch adjustwhen tapping blind holes. Tightening the cap down to the higher number settings on the reference scale increases torque. To set the torque, use a new tap and begin with a low number (low torque) setting. Try to tap the hole.



When the clutch slips, there will be no sound from the fiber disc clutch. Stop the ment cap machine and tighten the cap further. Repeat this process until you can drive a sharp tap to depth. Give the cap a half turn more and lock it using the set screw in

the side of the cap. This system saves the tap from breaking if you accidentally go too deep in a blind hole. It also warns you when your tap is becoming dull so that you can replace it before it breaks. Make note of the reference number to save time when the same job comes up again.

Self-Feed: Every tapping attachment has a self-feed. What is self-feed? Self feed is the additional depth that the tap will go into the hole after you feed to the stop on your machine. See the next page for the self-feed distances for the TCDC models.



Setting the stop on your machine for tapping: Please note that the tap will continue to go deeper into the hole by the self-feed distance. The total tapping depth will be based on the depth you set with your machine stop plus the self-feed of the tapping attachment. For example if you would like a tapping depth of 10mm and the tapping attachment's self-feed is equal to 3 to 4mm, start by setting the machine stop to allow the tap to enter the hole just 6mm. After tapping your first hole, check the depth and make any necessary adjustments to the machine stop. Always set the machine stop to avoid tapping too deep and hitting the bottom of the hole. The torque control is intended to only be a safety back up in case you accidentally go too deep.

Tapping Holes: When tapping, it is not necessary to apply any pressure as you feed

in. The tap will follow it's own pitch in and out of the hole. Just follow along with the tap, keeping up with it as it enters the hole. After you reach the machine stop, lift up on the feed handle to retract the tap. The tapping attachment will automatically reverse the taps rotation when you retract. Please note that the speed increases by 1.75 to 1 in reverse, so you will need to feed out of the hole almost twice as fast as you did feeding in. Be sure to keep up with the tap as it exits the hole. If you are feeding too slowly going in or out, the tap will stop and start and you will hear a clicking sound. This clicking sound is not the clutch slipping. If this occurs you need to feed faster to keep up with the tap. Please note that if the clutch slips because the torque is not set high enough there will not be a sound coming from the clutch.

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TC/DC Models Only: setting the Hard Start/Depth control collar: Below are figures showing the different settings that can be used.

When adjusting the position of the depth control collar, always turn by increments of one complete revolution, so that locking set screw is aligned with the flat on the spindle.

Line these up Secure the collar position with screw.



Cushion Setting: For normal tapping it can be helpful to have compression or cushion when starting the tap into the hole. This is also needed for re-entering a previously tapped hole. Self Feed for tapping in this position is... 30TC/DC= 3 to 4mm 50TC/DC= 6 to 7mm 70TC/DC= 9 to 10mm



Hard Start: Use this position for more accurate depth control. Turn the collar until it just contacts the bottom of the housing/gear carrier. Push up against the Rubber Flex spindle and it should not compress. Self Feed for tapping in this position is... 30TC/DC approx. 3mm 50TC/DC approx. 6mm

70TC/DC approx. 9mm



Reduced Self Feed: Self Feed can be reduced by turning the collar up further, beyond Hard Start. The Rubber-Flex spindle will be extended, and this reduces the self feed. Reducing the

Self Feed is helpful when tapping shallow depth holes. Below are the recommended adjustments for each model. **30TC/DC** Adjust 1 revolution further, **beyond Hard Start**... Self Feed approx. 2mm 50TC/DC Adjust 1 revolution further...Self Feed approx. 4.5mm Adjust 2 revolutions...Self Feed approx. 3mm 70TC/DC Adjust 1 revolution further... Self Feed approx. 7.5mm Adjust 2 revolutions...Self Feed approx. 6mm Adjust 3 revolutions... Self Feed approx. 4.5mm

Note! Adjusting further than the above recommendations can eliminate the tapping attachments forward drive.

Lubrication: This unit is pre-lubricated at the factory and ready for use. After 600 hours we recommend partially disassembling, cleaning and applying new grease. We recommend using a high quality NLGI 2 type of grease. We recommend returning the Tapping Attachment to Tapmatic for maintenance and repair, but if you would like to do this at your own facility, please follow the instructions shown on the next page. Please let us know if we can be of help.

Cutting Tool Lubrication: For the best results and longest life for your cutting tools, be sure to use the proper cutting fluid / lubricant based on your application and the type of material the work piece is made from.



		↓ _5(D TC/DC	7	□ тс, ↓	/DC	
	\bigcirc \checkmark			(5) (3)- (3)- (3)- (3)-		(1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	
			D D	(1) (19) (12)		-35) -(2) -(2) -(2)	
			D D	89 (1) (3) (3) (3)			
				 4) 49) (18) 			
	30TC/DC Wrench Set		50T	C/DC Wrench Set		70TC	/DC Wrench Set
Qty. Order	No. Description	Qty.	Order No.	Description	Qty.	Order No.	Description
50332 50340 27078 28050 28062 28062	332X Stop Arm 340X Stop Arm Ring 5/64" Hex Key 1/2" Wrench 5/8" Wrench 20 Series Spanner Wranch	1 1 1 1	56532 56540 28075 28097 27223 27079	5032XB Stop Arm 5040XB Stop Arm Ring 3/4" Wrench 31/32" Wrench 3mm Hex Key	1 1 1 1	50732 50740 27078 27224 28097 28121	732X Stop Arm 740X Stop Arm Ring 5/64" Hex Key 4mm Hex Key 31/32" Wrench

5/64" Hex Key

(Thread Mounts Only)

50 Series Spanner Wrench

 4mm Hex Key 31/32" Wrench 1 5/16" Wrench

(Thread Mounts Only)

#5 Hook Spring Puller 70 Series Spanner Wrench

27078 29050

30 Series Spanner Wrench (Thread Mounts Only)

Parts Listing: 30, 50 & 70TC/DC Self-Reversing Tapping Units

IDENT	DADTMANE	0070 5		7070 BC			
1 IDENT	PART NAME Housing - #6JT	30TC/DC 54301 B (1)	50TC/DC 54501 B (1)	70TC/DC			
1	Housing - DINB16	54301 G (1)	54501 G (1)	-			
1	Housing - #33JT Housing - DIN B 12	54301 E (1) 54301 F (1)	54501 E (1)				
1	Housing - 5/16-24	54301 H (1)	-	-			
1	Housing - 3/8-24 Housing - 1/2-20	54301 l (1) 54301 J (1)	54501 l (1) 54501 J (1)	- 54701 J (I)			
	Housing - 1/2-20 Housing - 5/8-16	54301 K (1)	545013(1) 54501 K (1)	54701 3 (I) 54701 K (1)			
1	Housing - 3/4-16 Housing - 7/8-20	54301 L (1)	54501 L (1)	54701 L (1) 54701 M (1)			
1	Housing - #3JT	-	-	54701 M (1) 54701 C (1)			
2X 3X	Clutch Ädjustment Cap Spring Plate	50302 A (2)	56502 A (2)	50702 A (2)			
3X 4X	Driver Pins	50303 50304 (3 required)	56503 50704 (3 required)	50703 50704 (3 required)			
5X 5XX	Lock Set Screw Lock Set Screw Plug	50305 Å (3)	50305 Å (3)	50305 Å (3)			
6X	Guide Spindle	503051 503061	503051 56506	503051 51720			
6XX 7X	Upper Spring Hanger Clutch Sleeve	-	-	60334 50707			
8X	Clutch Bearing	50307 50308	50507 56508	50707			
9X	Gear Carrier Bearing (Ball)	-	50509	50709			
9XA 9XX	Gear Carrier Bearing (Nylon) Truarc Ring	503091	- 505091	- 507091			
11X	Retaining Řing	50311	50511	50711			
11XX 12XA	Gear Washer Reversing Sleeve	503111 503121 (4)	505111 505121 (4)	507111 507121 (4)			
12 XA I	Reversing Driver Spring	51312	505122	507122			
13X 14X	Gear Carrier Drive Spindle	503131 54314 A (5)	54513 54514 A (5)	54713 54714 A (5)			
15X	Back Jaw Retainer Screw	50715 (2 required)	50715	50715			
16X 17X	Back Jaw or Tap Jaw Rubber Flex Collet (small)	503161 21600	56516 22100	50716 24100			
17XX	Rubber Flex Collet (large)	21700	22200	24000			
18X 19X	Tap Chuck Nut Key	50318 50319	56518 50319	50718 50719			
20X	Stop Ring	50320	56520 565211+68439 (12 reg)	50720			
21X 22X	Adjustment Thrust Bearing Clutch Spring (large)	- 50322 (3 required)	505211+08439 (12 req) 50722 (9 required)	64521+692205 (8 req) 50722 (9 required)			
23X	Clutch Spring (small)	50323 (3 required	50723 (9 required)	50723 (9 required)			
26X 27X	Cushion Spring Spring Cup Driver	50326 503271	565261 505271	50726 507271			
27XA	Reversing Driver	503272	505272	507272			
28X 29X	Drive Pins Guide Spindle Bearing	50328 (3required) 50329	56528 (3 required) 56529	50728 (3 required) 50729			
30X	Return Spring	51328	51528	51628			
31X 32X	Drive Spindle Bearing Stop Arm	-(4) 50332	-(4) 56532	-(4) 50732			
33X	Guide Spindle Washer	50333	-	-			
34X 34XA	Guide Spindle Nut Spring Bearing	503341 -	56534	- 50734			
34XX	Spring Bearing Hanger	-	-	50706			
35X 36X	Ring Gear Gear Pins	50335 50336 (3 required)	50535 50536 (3 required	50735 50736 (3 required			
37X	Planet Gears	50337 (3 required)	50537 (3 required)	50737 (3 required)			
38X 39X	Spacer (and Truarc Ring) Thrust Washer	50338 50339	54538 and 56511 50539	54738 and 50611 50739			
40X	Truarc Ring	50340	56540	50740			
41X 42X	Clutch Driver Primary Internal Clutch Plate	50341 50342	56541 56542	50741 50742			
42XX	Internal Clutch Plate	503421	565421 (2 required	507421 (2 required)			
43X 44X	External Clutch Plate Clutch Discs	50343 50344 (3 required)	56543 (2 required) 56544 (5 required)	50743 (2 required) 50744 (5 required)			
46XA	Reversing Sleeve Bushing	503461	505461	507461			
47X 48X	Friction Washer Depth Control Collar	50347 50348	50547 50548	50747 50748			
YOX	Lock Set Screw	50305	50305	50305			
 (1) Housing only available as an assem (2) Clutch Adjustment Cap only available 	hbly with Ident. #4X and #6X.						
(3) Lock Set Screw comes with Ident. #	bly with Ident. #4X and #6X. le as an assembly with Ident #5X and #5XX. !5XX.						
(4) Reversing Sleeve and Drive Spin(5) Drive Spindle only available as a	ndle Bearing available only as an assembly.						
	÷						
 Remove stop ring (#20X) and un 	STRUCTIONS FOR DISASSEMBLY screw clutch adjustment cap (#2X)		INSTRUC 1. Clean and lubricate all parts requiring lubric	CTIONS FOR ASSEMBLY			
2. Hold unit in vertical position and	remove adjustment thrust bearing (#21X). (Mo	odels	 Clean and lubricate an parts requiring lubric Place internal clutch plate (#42X) on clutch 	ation thoroughly. Do not get clutch parts wet or oily. sleeve (#7X), then clutch disc (#44X), her clutch disc (#44X), then internal clutch plate esa and discs on clutch sleeve, then line up external \$) over complete subassembly. or driver (#27X) in clutch sleeve (#7X). (#141X) subassembly into housing (#1X), making pins in housing (#1X).			
50 &70TC/DC.)			then external clutch plate (#43X), then anot	her clutch disc (#44X), then internal clutch plate			
 Lift off spring plate (#3X). Carefully invert unit over a clean 	receptacle. Clutch springs (#22X & 23X) will (drop out.	dogs so that you can slip clutch driver (#41)	() over complete subassembly.			
Remove tap chuck nut (#18X) ar	nd collet (#17X).		3. Place cushion spring (#26X) and spring cup	o driver (#27X) in clutch sleeve (#7X). (#41X) subassembly into bouving (#1X), molving			
 Remove back jaw retainer screw Remove back jaw (#16X). 	r (#15X).		 Insert clutch sleeve (#7X) and clutch driver sure that 3 holes in clutch driver mate with 3 	<pre>pins in housing (#1X).</pre>			
8a. Remove return spring (#30X) by	threading spring puller (supplied with unit) int	D	 Insert spacers (#46XA) and (#38X) into hou Brace drive spindle (#14X) into reversing all 	ising (#1X). seve (#12XA) subassembly and insert drive pins			
tapped hole in part (#34XX), and	pulling out to expose spring for removal with 70TC/DC.)	spring hook					
(also supplied with unit). (Model 8b Linscrew quide spindle put (#34)	() and remove return spring (#30X)		 Insert complete subassembly into housing ((#1X) utilizing key (#19X).			
8b. Unscrew guide spindle nut (#34) (Models 30 &50TC/DC.)	(1992)()		 o. Insert year wasner (#1177) and snap in truarc fing (#117). 9. Hook return spring (#30X) to spring hanger (#6X) and insert this subassembly into neck end of 				
 Remove truarc ring (#40X) and s Remove truarc ring (#11X) and s 	stop arm (#32X). Jear washer (#11XX)		 (#28X). (#28X). (#28X). (#28X). (#30X) for spring hanger (#4X) and insert this subassembly into neck end of housing (#1X) making certain spring hanger (#6X) and insert this subassembly into neck end of housing (#1X) making certain spring hanger is seated properly. (Model 70TC/DC.) (Model 70TC/DC.)				
11. Lift out drive spindle (#14X) and	jear washer (#11XX). reversing sleeve (#12XA) subassembly from u	ınit.	 Use spring hook (supplied with unit) to expose return spring (#30X) and attach spring bearing hanger (#34XX) with bearing (#34XA) mounted. (Model 70TC/DC.) 				
Lift out spacers (#46XA) and (#3	8X).		11a. Thread spring puller (supplied with unit) into tapped hole in spring hanger (#34XX) and				
and clutch discs (#44X)	h driver (#41X), clutch plates (#42X, 42XX, 43	A)	unscrew spring puller. (Model 70TC/DC.)	# 1477 unui Deanny (#34774) seals ilseii, linen			
Lift out cushion spring (#26X) an	d spring cup driver (#27X).		11b Insert return spring (#30X) into drive spindle	e (#14X) and screw guide spindle nut on			
 Remove drive pins (#28X) from Broos drive spindle (#14X) aut of 	drive spindle (#14X).		to guide spindle (#6X). (Models 30 & 50TC/DC). 12. Place back jaws (#16X) in drive spindle (#14X) and install back jaw retainer screw (#15X). 13. Insert collet (#17X) into tap chuck nut (#18X) and screw tap chuck nut (#18X) on to				
 Press drive spindle (#14X) out of 17. Do not disassemble planetary ge 	reversing sleeve (#12XA) subassembly. ear reversing subassembly (#13X).		drive chindle (#1/1X)				
	CEMENT OF FRICTION WASHER #47X		drive spindle (#14X). 14. Insert clutch springs (#22X & 23X) into unit.				
1. Remove tap chuck nut (#18X.)			15 Place sprind plate (#3X) on sprinds				
 Unscrew depth control collar all t Using small screwdriver flip out i 	he way off. used washer (#47X) and insert new one.		 Place acjustment thrust bearing (#21X) on s Screw on clutch adjustment cap (#2X). Install stop ring (#20X). 	spring plate (#37). Woulders 50 & /010/D0.)			
o., oany anali screwuriver, ilip out t	acu washei (#41∧) ahu insell new one.		18. Install stop ring (#20X).	ing (#40X)			
THAT THE ACTOR		votor Loop Doot Follo	19. Install stop arm (#32X) and snap on truarc r	Ing (#40x). 3-80/18 ΕΔΧ· 208 773-3021 www.tanmatic.com			



TAPMATTC ISO 9001 CERTIFIED- 802 Clearwater Loop, Post Falls, ID 83854, Phone: 800 854-6019, 208 773-8048, FAX: 208 773-3021, www.tapmatic.com 7

Repair Service is available at	Attention:	Repair Department
		Tapmatic Corporation
		802 Clearwater Loop
		Post Falls, ID 83854

To Expedite Repair: Return tool direct to Tapmatic Corporation. Tapmatic will inspect the tool and advise you of the repair costs by fax or email before the repair is completed.

Important: Be sure to return tool complete with collet nut, and if applicable stop arm and back jaw, because otherwise these missing parts would be added to every non-warranty repair.

Cost Notification: Tapmatic will FAX or E-mail a cost notification to you, soliciting your approval before repairs are completed. If it is determined that a tool cannot be repaired, at the customer's request, Tapmatic will return the disassembled parts. We are not able to reassemble a tool using damaged or worn out parts.

Optional Return Procedure: Tools may also be returned for repair through your local Tapmatic Distributor. They will ship the tool to us and include instructions for the repair and return. You may already have an open account with them which facilitates the handling of invoicing.

Priority Service: Tapmatic services tools returned for repair in the order in which they are received. All tools will be evaluated and repaired within three weeks from the date they arrive subject to receiving the customer's approval to proceed with the repair.

Priority is given to tools shipped to us by overnight or second day.

If a repair is sent to us by UPS ground or similar service, it can also be given priority. Just call and let us know you need priority service and advise if you would like the tool returned to you by overnight or second day. In the interest of fairness to all our customers, we ask that you approve shipment by overnight or second day before we agree to upgrade your repair order to priority service. Typical turn around, not including shipping time, for priority repairs is 3 days subject to receiving the customer's approval to proceed with the repair.

If we can answer any questions please call our toll free number:

800 395-8231



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