

Name: _____

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Manual's sections

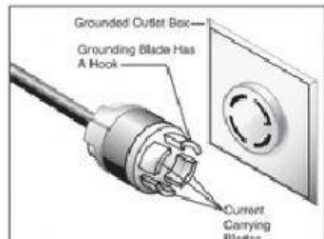


In this activity you must read each fragment of the sections of an instruction manual and slide each section name with its corresponding image.



Power Connection Device

The power connection device depends on the type of installed or planned service. We recommend using one of the devices shown in Figure 5, depending on the voltage being used.



G9849—Magnetic Base/Dial Indicator Combo
Precision measurements and setups have never been so easy. Magnetic base engages with just the turn of a switch and allows pinpoint adjustment. The dial indicator features 0–1" travel and has a resolution of 0.001". This fine set includes a molded case for protection and convenience.



Section 1 - Introduction

Section 2 - Safety

Section 3 - circuit requirements

Section 4 - Setup

Section 5 - Operations

Section 6 - Maintenance

Section 7 - Accessories

Section 8 - Services

Section 9 - Wiring

Section 10 - Parts

Functional Overview

The Model G0670 is a 16" X 40" High Precision Electrical Variable Speed Lathe that has a pressurized headstock oiling system. The electrical and mechanical controls allow for complete spindle speed control from 20 to 2500 RPM. Merely shift one lever to high or low range, and then just turn the spindle speed dial to your needed RPM.

This lathe is also equipped with a CSS (Constant Surface Speed) system that gives consistent finishes between surfaces with different diameters. During facing operations, as the tool bit moves toward the center of the workpiece, the spindle speed increases to maintain a constant surface speed during cutting as diameter decreases.

ALWAYS USE HEARING PROTECTION WHEN OPERATING MACHINERY. Machinery noise can cause permanent hearing loss.

WEAR PROPER APPAREL. DO NOT wear loose clothing, gloves, neckties, rings, or jewelry that can catch in moving parts. Wear protective hair covering to contain long hair and wear non-slip footwear.

NEVER OPERATE MACHINERY WHEN TIRED OR UNDER THE INFLUENCE OF DRUGS OR ALCOHOL. Be mentally alert at all times when running machinery.

Inventory

In the event that any nonproprietary parts are missing (e.g. a nut or a washer), we would be glad to replace them, or for the sake of expediency, replacements can be obtained at your local hardware store.

After you have inspected your lathe and all the parts have been removed from the crate, you should have the following items:

Major Inventory 1: (Figure 6)	Qty
A. Steady Rest Assembly	1
B. 12" Faceplate w/D1-6 Camlock Stud Set	1
C. Follow Rest Assembly	1

THREAD AND FEED CHART			
SPINDLE RPM	FEED (in/rev)	SPINDLE RPM	FEED (in/rev)
20	0.005	1000	0.010
25	0.006	1250	0.012
30	0.007	1500	0.014
35	0.008	1750	0.016
40	0.009	2000	0.018
45	0.010	2250	0.020
50	0.011	2500	0.022
55	0.012		
60	0.013		
65	0.014		
70	0.015		
75	0.016		
80	0.017		
85	0.018		
90	0.019		
95	0.020		
100	0.021		
105	0.022		
110	0.023		
115	0.024		
120	0.025		
125	0.026		
130	0.027		
135	0.028		
140	0.029		
145	0.030		
150	0.031		
155	0.032		
160	0.033		
165	0.034		
170	0.035		
175	0.036		
180	0.037		
185	0.038		
190	0.039		
195	0.040		
200	0.041		
205	0.042		
210	0.043		
215	0.044		
220	0.045		
225	0.046		
230	0.047		
235	0.048		
240	0.049		
245	0.050		
250	0.051		
255	0.052		
260	0.053		
265	0.054		
270	0.055		
275	0.056		
280	0.057		
285	0.058		
290	0.059		
295	0.060		
300	0.061		
305	0.062		
310	0.063		
315	0.064		
320	0.065		
325	0.066		
330	0.067		
335	0.068		
340	0.069		
345	0.070		
350	0.071		
355	0.072		
360	0.073		
365	0.074		
370	0.075		
375	0.076		
380	0.077		
385	0.078		
390	0.079		
395	0.080		
400	0.081		
405	0.082		
410	0.083		
415	0.084		
420	0.085		
425	0.086		
430	0.087		
435	0.088		
440	0.089		
445	0.090		
450	0.091		
455	0.092		
460	0.093		
465	0.094		
470	0.095		
475	0.096		
480	0.097		
485	0.098		
490	0.099		
495	0.100		
500	0.101		
505	0.102		
510	0.103		
515	0.104		
520	0.105		
525	0.106		
530	0.107		
535	0.108		
540	0.109		
545	0.110		
550	0.111		
555	0.112		
560	0.113		
565	0.114		
570	0.115		
575	0.116		
580	0.117		
585	0.118		
590	0.119		
595	0.120		
600	0.121		
605	0.122		
610	0.123		
615	0.124		
620	0.125		
625	0.126		
630	0.127		
635	0.128		
640	0.129		
645	0.130		
650	0.131		
655	0.132		
660	0.133		
665	0.134		
670	0.135		
675	0.136		
680	0.137		
685	0.138		
690	0.139		
695	0.140		
700	0.141		
705	0.142		
710	0.143		
715	0.144		
720	0.145		
725	0.146		
730	0.147		
735	0.148		
740	0.149		
745	0.150		
750	0.151		
755	0.152		
760	0.153		
765	0.154		
770	0.155		
775	0.156		
780	0.157		
785	0.158		
790	0.159		
795	0.160		
800	0.161		
805	0.162		
810	0.163		
815	0.164		
820	0.165		
825	0.166		
830	0.167		
835	0.168		
840	0.169		
845	0.170		
850	0.171		
855	0.172		
860	0.173		
865	0.174		
870	0.175		
875	0.176		
880	0.177		
885	0.178		
890	0.179		
895	0.180		
900	0.181		
905	0.182		
910	0.183		
915	0.184		
920	0.185		
925	0.186		
930	0.187		
935	0.188		
940	0.189		
945	0.190		
950	0.191		
955	0.192		
960	0.193		
965	0.194		
970	0.195		
975	0.196		
980	0.197		
985	0.198		
990	0.199		
995	0.200		

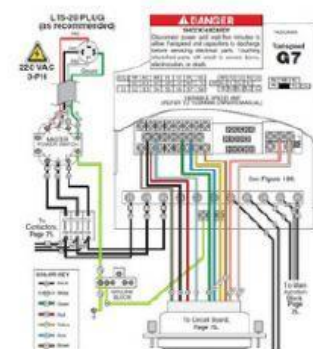
Brake and Switch

As the brake lining wears, the foot pedal develops more travel. If the brake band is not adjusted to compensate for normal wear, the limit switch will still turn the lathe off, but the spindle will not stop as quickly. It is especially important that the brake is kept in adjustment so you can stop the spindle quickly in an emergency.

Tools Needed:
#2 Phillips Screwdriver 1
6mm Hex Wrench 1

To adjust the brake and brake switch:

1. DISCONNECT LATHE FROM POWER!



To clean the oil pump system:

1. Remove the drain plug (Figure 103), and drain the oil from the tank into at least a 3-gallon drain pan.
 2. Using a 4mm hex wrench, remove the four access cover cap screws (Figure 104), and then the cover.
- Note:** The cap screw in the center of the cover acts as a handle to lift the plate and does not need to be removed.
3. Put on safety glasses. Using mineral spirits and rags, clean out the tank, and use the blow gun to dry the inside of the tank.

Note: Do not remove the suction screen at

Gearbox (Change Gear System)

