HARVEY®

INSTRUCTION MANUAL

Woodturning Lathe

Model: T-50
T-60

Harvey Industries Co.,Ltd
www.harvey.cn

Dear Woodworker:

Thank you for your purchase and welcome to the Harvey group of discriminating woodworkers. I understand that you have a choice of where to purchase your machines and appreciate the confidence you have in our products.

Every machine sold by Harvey Industries has been carefully designed and well thought through from a woodworker's perspective. I cut on our band saws, lathes and table saws. Through my hands-on experience, I work hard to make our machines better.

Today, we offer high-performance machines with innovative solutions that meet the needs of woodworkers and their ever-evolving craft.

Thank you again for becoming a Harvey Industries customer.

Safety Rules

As with all machinery there are certain hazards involved with the operation and use. Using it with caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. If you have any questions relative to the installation and operation, do not use the equipment until you have contacted your supplying distributor.

Read carefully before operating the machine.

1. Keep the working area clean and be sure adequate lighting is available.
2. Do not wear loose clothing, gloves, bracelets, necklaces or ornaments. Wear face, eye, respiratory and body protection devices as indicated for the operation or environment.
3. Be sure that the power is disconnected from the machine before tools are serviced or an attachment is to be fitted or removed
4. Never leave the machine with the power on.
5. Do not use dull, gummy or cracked cutting tools.
6. Be sure that the keys and adjusting wrenches have been removed and all the nuts and bolts are secured.

Limited Warranty

New woodworking machines sold by Harvey Industries carry a one-year warranty from the date of shipping. Harvey Industries guarantees all new machines sold to be free of manufacturers' defective workmanship, parts and materials. We will repair or replace without charge, any parts determined by Harvey Industries Co., Ltd. to be a manufacturer's defect. We require the defective item/part returned to Harvey Industries. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

Harvey Industries Co., Ltd is not responsible for additional tools or modifications sold or performed (other than from/by Harvey Industries Co., Ltd.) on any Harvey Industries Co., Ltd. woodworking machine. Warranty may be voided upon the addition of such noted tools and/or modifications, determined on a case-by-case basis.

Normal user alignment, adjustment, tuning and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer.

Parts, under warranty, are shipped at Harvey Industries Co., Ltd cost either by common carrier, UPS Ground service or similar method. Technical support to install replacement parts is primarily provided by phone, fax or email. The labor required to install replacement parts is the responsibility of the user.

Harvey Industries is not responsible for damage or loss caused by Freight Company or other circumstances not in our control.
Only new machines sold to the original owner are covered by this warranty.

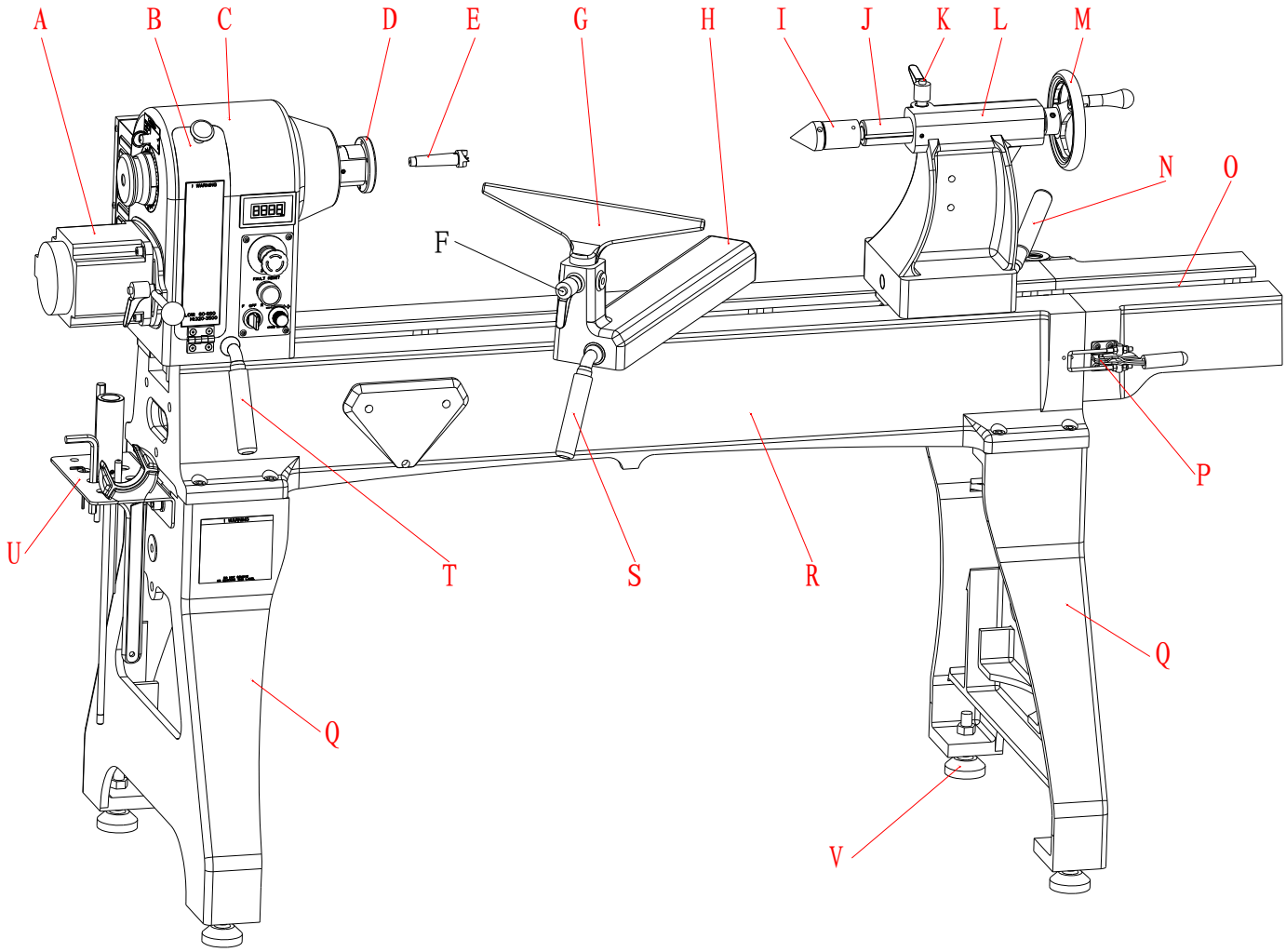
INTRODUCTION TO THE LATHE

Turbo lathes are designed and built to satisfy the most imaginative fantasies of woodworkers. With outstanding new features, energetic performances and so many user- friendly considerations, Turbo lathes simply turn turning jobs an unprecedented experience.

Featuring

> High grade cast iron structure for headstock beds and stands to secure maximum stability
> All beds are precisely ground to mirror like surface for smooth operations
> Driven by advanced Servo DC brushless motor with variable speeds 60-3500 RPM
> Digital wide angle speed readout with blue backlight
> Extraordinarily high torque at low speeds for easy working on large work piece
> Oversized alloy spindle supported by three precision bearings
> Easy belt changing without taking off spindle
> Sliding headstock for easy outboard turning
> Unique “Swing-away” Extension Bed System (SEB) for easy tailstock storage
(Standard for T-60, optional for T-50)
> Heavy duty banjo with easy maneuver and secure locking
> Cast steel chrome trimmed tool rest
> End mounts for extension bed for longer center distance
> Side mounts of extension bed for back turning
> Lower end mounts of extension bed for outboard turning set up
> Extension bed mounts on both ends of bed
> Built-in spindle lock and index

Identifications



A ：Motor	L：Tailstock
B ：Belt Access Door	M：Tailstock Hand Wheel
C：Headstock	N：Tailstock Lock Lever
D ：Face Plate	O：12” Swing Away Extension Bed (Standard for T-60)
E ：Spur Center	P：Bed Lock Assy
F ：Tool Rest Lock Handle	Q：Leg
G ：Tool Support	R：Bed
H：Tool Rest Base	S：Tool Rest Base Lock Lever
I ：Live Center	T：Headstock Lock Lever
J ：Tailstock Quill	U：Tool Kits
K ：Quill Lock Handle	V：Leveler

Specifications

Models	T-50	T-60
Operation Information		
Swing Over Bed	20”	24”
Dist. Between Centers	36”	48”
Swing Over Tool Rest Base	16”	20”
Spindle Speeds: H	320-3500rpm (Variable)	320-3500rpm(Variable)
L	60-660rpm (Variable)	60-660rpm (Variable)
Floor to Spindle Center Height	44”	44”
Headstock Travel	Full Length	Full Length
Max. Outboard Turning Swing	32”	34”
Spindle		
Spindle Taper	MT#2	MT#2
Spindle Size	1-1/4x8(RH)TPI	1-1/4x8(RH)TPI
Spindle Bore	5/8”	5/8”
Spindle Index#	48	48
Spindle Bearing	2x6209 Front, 1x6208 Rear	2x6209 Front, 1x6208 Rear
Tailstock		
Tailstock Taper	MT#2	MT#2
Hole through Tailstock	3/8”	3 /8”
Tailstock Quill Travel	4-1/2”	4-1/2”
Swing Away	Optional	Standard
Accessories		
Tool Rest Width	14”	14”
Face Plate	3”	3”
Swing away Bed Length	12”	12”
Spur Center	MT#2	MT#2
Live Center	MT#2	MT#2
Extension Bed	20”	20”
Electrical And Motor Information		
Motor Type	DC Brushless	DC Brushless
Motor Power	2HP	2HP
Speed	0-2000rpm	0-2000rpm
Switch	On/off w/contactor, Variable Speed Dial	On/off w/contactor, Variable Speed Dial
Power Requirement	230V/single phase	230V/single phase

Standard Accessories

3” Face Plate	Face Plate Wrench	Knock Out Rod
Spur Center	Live Center	Live Center Pin
Tool Kits	Locating Rod	Tool Support
Levelers	3mm Hex Wrench	10mm Hex Wrench

Optional Accessories

12” Swing Away Extension Bed (Standard for T-60)		
Comparator Centers	Comparator Front Assembly	Comparator Rear Assembly
20 ”Extension Bed	High Tool Rest	Chisel Storage
Guard	Mobility Kits	Work Light

POWER SUPPLY

Warning: For your own safety and protection of property, consult an electrician if you are unsure about Wiring practices or electrical codes .in your area.
Caution: If the plug does not fit the available receptacle, or the machine must be reconnected for use on a different type of circuit, or use an extension cord with this machine, the reconnection must be made by a qualified electrician and comply with all local codes and ordinances.

Nominal Voltage----------220V/240V
Cycle----------50/60Hz
Phase---------- ---Single-Phase
Power Supply Circuit--------7.1Amps

ASSEMBLY & SETUP

Location of the lathe
A level concrete floor is the best location for the lathe. The lathe should be located in a dry area. Keep electrical box and motor away from direct sun shine. Plenty of space around the lathe is good for operations and maintenances.

Unpacking
Report any damage to your shipping agent or dealer immediately as soon as check for shipping damage.

Check the shipping crate with the following parts list to make sure all parts are intact. If there is any missing parts please report to your dealer. Read this manual thoroughly for assembly, maintenance, operation and safety instructions.

Contents of the Shipping Crate(Fig.1)

A：Lathe bed with Headstock, Tailstock, Tool Rest Base (Banjo)，Tool Rest

B：Leg Assemblies x 2　C： Knock Out Rod x 1　D： Face Plate Wrench x 1

E：Locating Rod x 1　F：Live Center Pin x 1　G： Live Center x 1

H：Spur Center x 1　I：10mm Hex Wrench x 1　J： 3mm Hex Wrench

K：M12×20 Bolt x 2　L：12mm Spring Washer x 2　M：12mm Flat Washer x 2

N：Tool Kits x 1　O：Levelers x 4　P：3” Face Plate x 1

Q：12” Swing away Extension Bed (Standard for T-60, Optional for T-50) x 1

R：M12×40 Bolt x 8　S：Operation Manual x 1

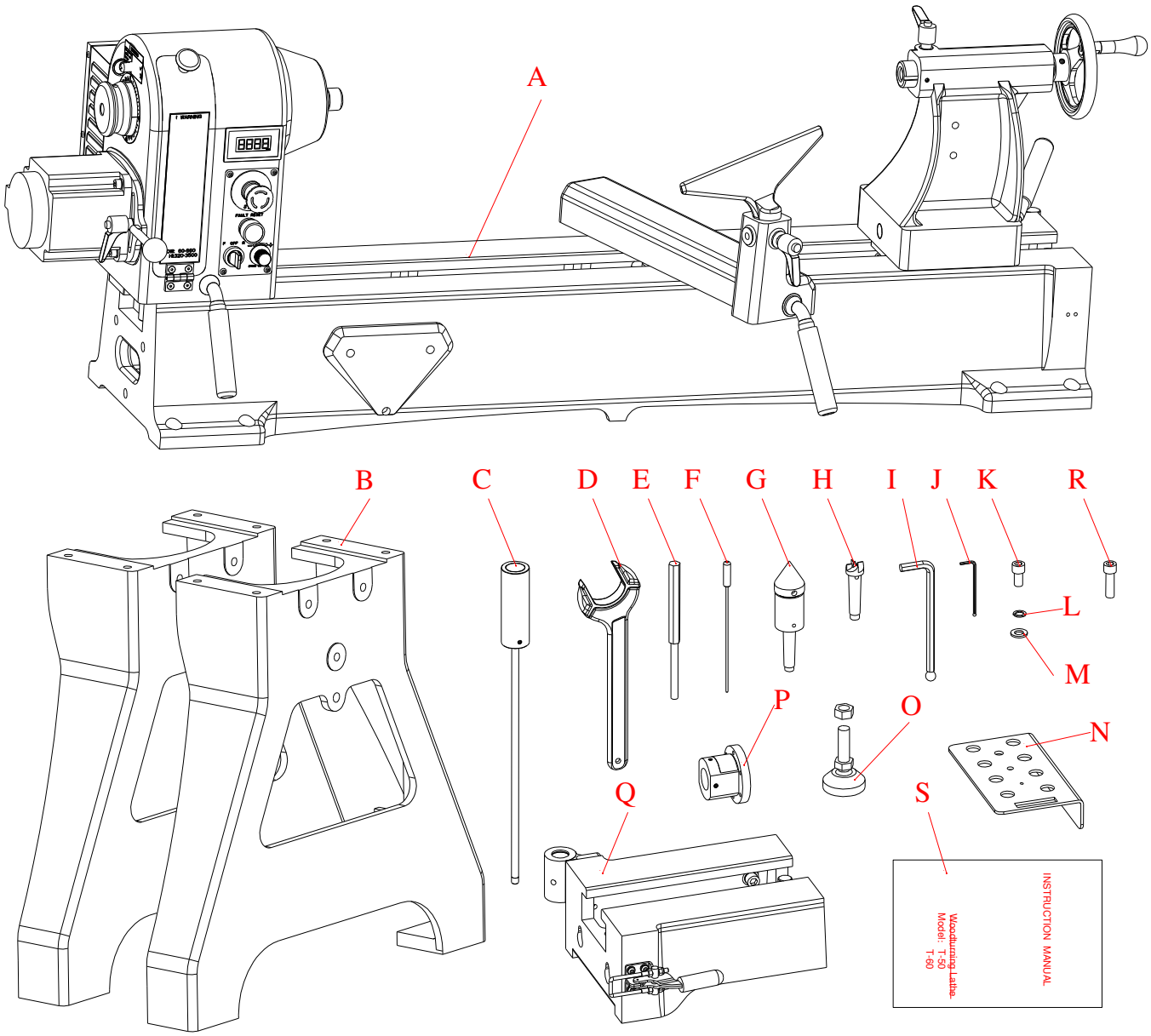


Fig.1

Assembling Instruction

Warning: The lathe must be disconnected from power source during assembly.

Legs Installation (Fig. 2)

1, Life the lathe off the pallet by using a hoist or forklift. Place it on a table or workbench with sufficient clearance to allow the support legs to be attached from underneath.
2, Attach the legs to the bed by using 12mm hex head bolts A. Firmly tighten the bolts.
3, After firmly securing the legs to the lathe, carefully lower the lathe onto the floor.
4, Adjust the leveling feet to ensure all four feet sit firmly on the floor. Make sure that the lathe does not rock

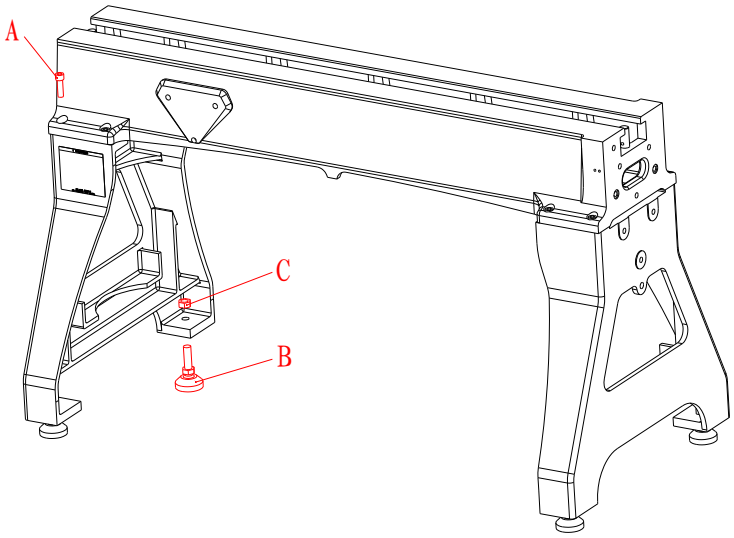


Fig.2

Tool Storage Bracket (Fig. 3)

The tool storage bracket D can be mounted to the left end of the lathe. Use two 12mm head cap screws A with flat C and spring washers B to secure it to the lathe.

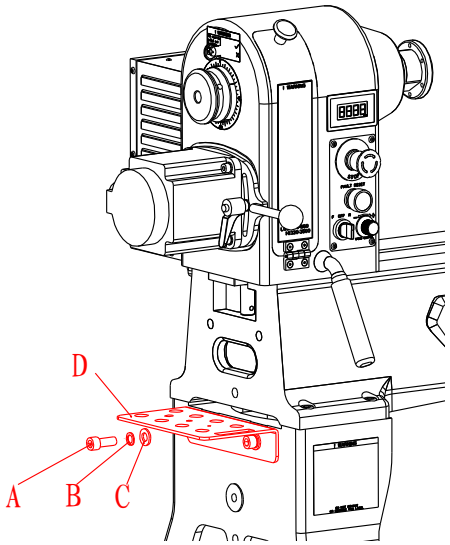


Fig.3

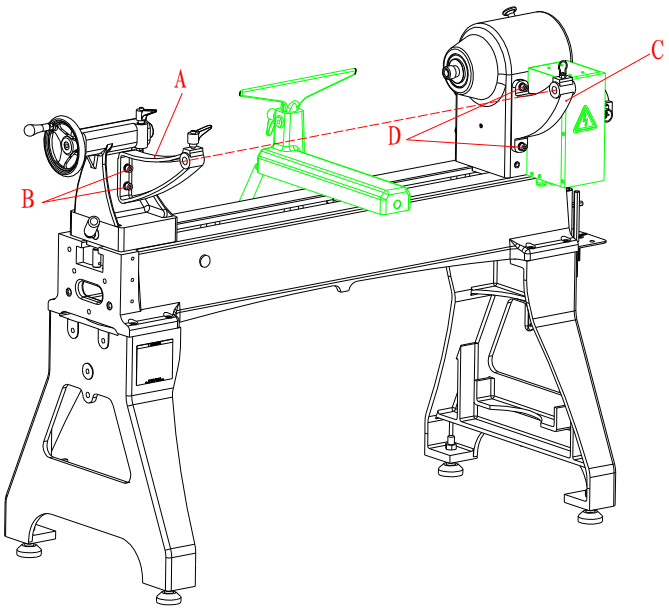


Fig.4

Comparator Brackets(Optional)

See Fig.4, mount the front comparator bracket C to the back of the headstock with two 12mm socket head cap screws. This bracket can be also used for spindle shield guard mounts.
Rear comparator bracket should be mounted to the back of the tailstock. The bracket has a slot so it can be aligned with the front comparator bracket. Use two 12mm head cap screws to secure rear comparator bracket to the tailstock

Spindle Shield (Optional) - Fig. 5

1, Lift up the spring pin B and insert the support rod A into the bracket hole. Release the spring pin, slide the rod and you will feel the spring pin snap onto position.
2, Install the outer collar C and tighten the set screw D.

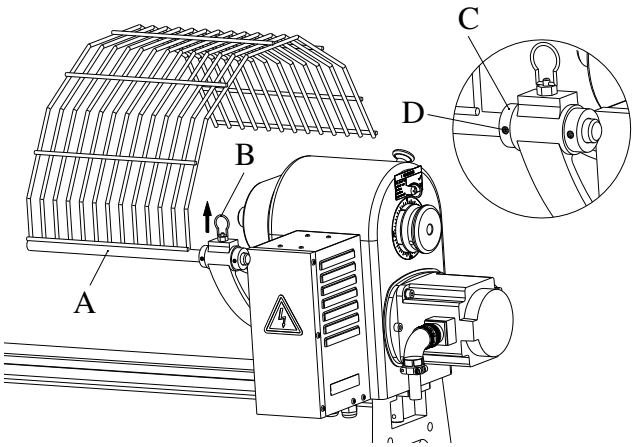


Fig.5

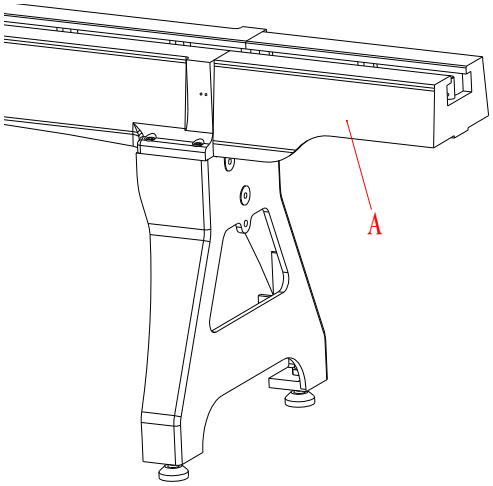


Fig.6

20” Extension Bed (Optional)

An optional 20” extension bed can be mounted on the lathe in three locations：

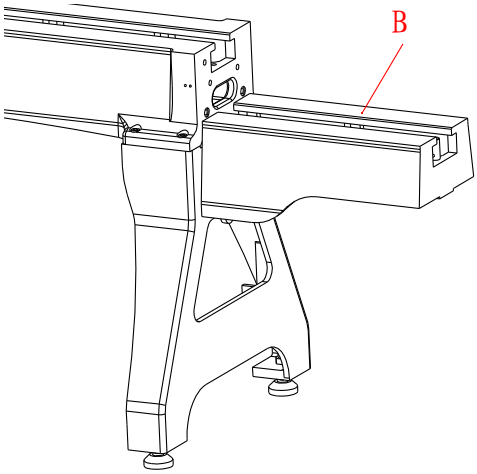


Fig.7

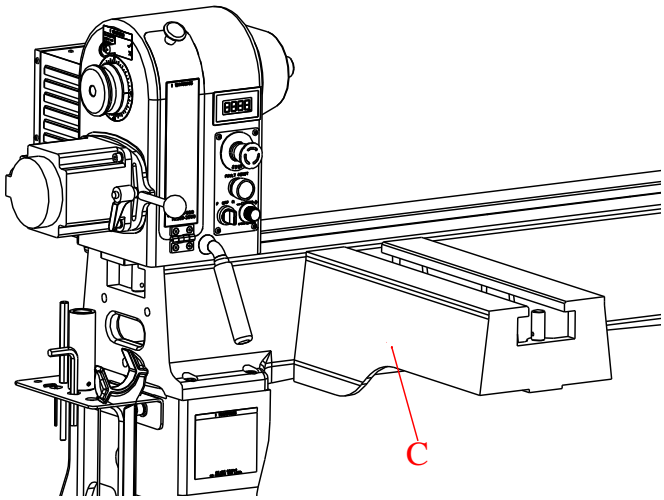


Fig.8

A: Right end of bed: for up to 56” center distance (Fig. 6).
B: Right leg: for outboard turning (Fig.7)
C: Front bed: for convenience operation (Fig.8)

12” Swing away Extension Bed (Standard for T-60, Optional for T-50)

12” swing away bed is standard for T60 lathe (pre-installed before delivery).

If you purchase the Swing Away Bed System as optional accessory, please follow the instructions as below:

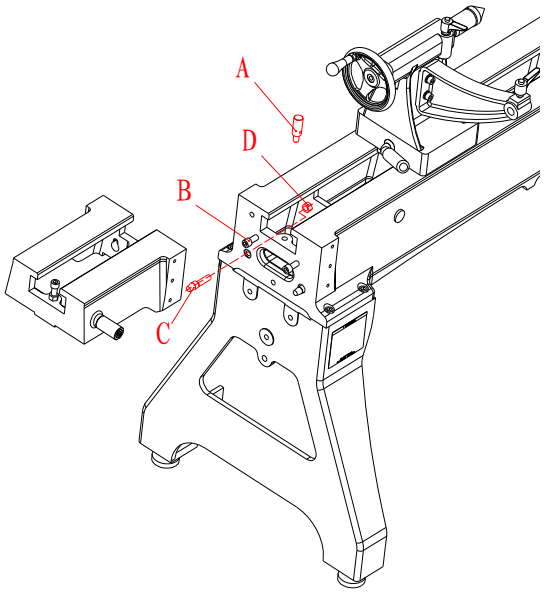


Fig.9

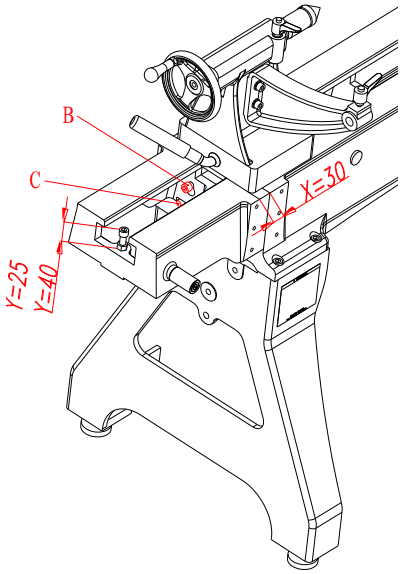


Fig.10

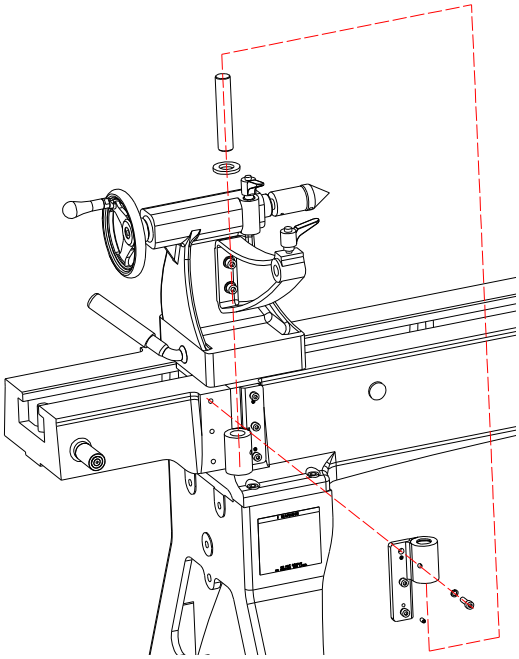


Fig.11

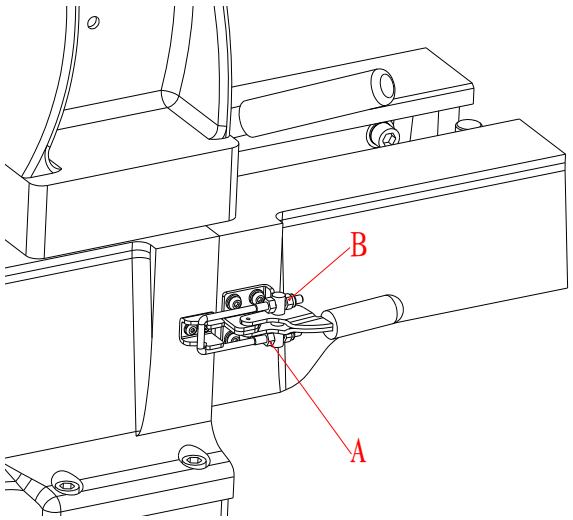


Fig.12

1, With an assistant, attach the extension bed to lathe bed right end with two head cap bolts B. Slightly tighten the bolts. These two bolts must be taken off as soon as swing away system assembly is completed (Fig.9)

2, Adjust the extension bed flush to the lathe bed. Make sure inside ways and surfaces are aligned.

3, Slide the tailstock back to the position as show in figure. X=30mm or 1 -1/2" (Fig. 10).

4, 12" extension bed used as extension bed, adjust the height of screw to 40mm (Y=40mm) ; 12" extension bed rotates to the side, adjust the height of screw to 25mm (Y=25mm) (Fig. 10)

5, Rotate the lock handle until the tailstock locked firmly. Now the extension bed is well aligned with lathe bed (Fig. 11)

6, Put the two eccentric pivot pins in lathe bed, turn the pins until it slightly touch extension bed bottom. Secure pivot pins with nuts D (Fig.9)

7, Mount the hinge between lathe bed and extension bed with head cap screws, spring washers and flat washer (Fig.11). **Do not** tighten head cap screws at this moment. Use alan wrench to tun the set screws until it hit beds. Then firmly tighten bolts.

8,Mount clamping device on both lathe and extension bed as shown on Fig.12.

OPERATION OF LATHE

Control Panel Information (Fig. 13)

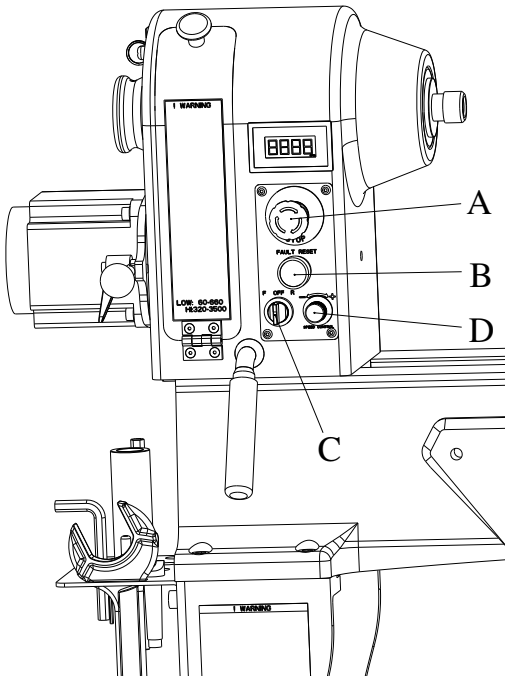


Fig.13

A : Spindle speed readout: Indicates the spindle speed in RPM.

B : Switch: Turns lathe ON and OFF NOTE: If a sudden power failure occurs, the spindle will not re-start automatically when the power is restored to the machine. Press button C to OFF, then press button B to fault rest, and then press button C to F or R you want.

C : Spindle direction switch: Toggles the spindle direction between forward or reverse.
Forward: Spindle rotates towards you; Reverse: Spindle rotates away from you;

D : Speed control knob: Adjust the spindle speed within the range.

Change Over of Low-high Speed Ranges

This lathe is designed with two speed ranges (Low/High speed range) , within each range, speed can be changed variably by an electronic variable speed controller. To change the spindle speed range, please follow instructions as below (Fig 14):

1 : Unplug the lathe from the power source.

2 : Open the magnetic belt cover which is located on the headstock.

3 : Loosen lock lever A and pull the belt tension release lever B.

4 : Place the belt C in the desired speed range.

5: Rotate the spindle by hand and make sure the pulley grooves are aligned with the belt grooves and the belt runs smooth.

6 : Pushing the tension release lever properly and tighten the lock lever A.

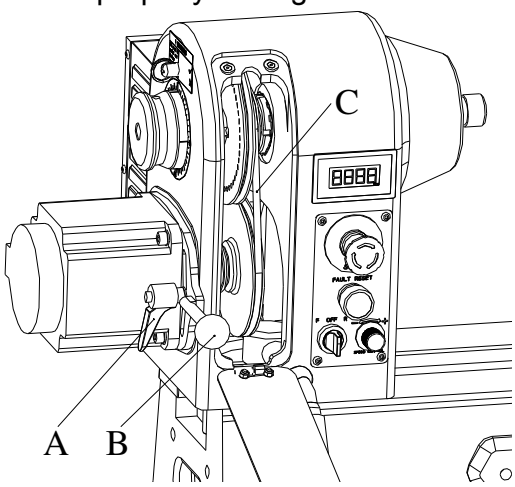


Fig.14

Note: The best belt tension should be that when pressing belt on the middle by one finger, the belt deflects about 1/4” -1/2” (about 6-12mm)

Note: Always use the lowest speed of the range when starting lathe

For best turning result, find the following recommended spindle speed chart :

Diameter of wood-stock	Rough cutting	General cutting	Finishing/Sanding
under 50mm	1600rpm	3500rpm	3500rpm
50-100mm	800rpm	1600rpm	2500rpm
100-150mm	500rpm	1100rpm	1700rpm
150-200mm	400rpm	800rpm	1250rpm
200-250mm	300rpm	700rpm	1000rpm
250-300mm	250rpm	550rpm	900rpm
300-400mm	200rpm	450rpm	680rpm
400-500mm	150rpm	350rpm	550rpm
500-600mm	100rpm	280rpm	400rpm
more than 600mm on out board turning	80rpm	200rpm	300rpm

Tool Rest Base (Banjo)

The Banjo is designed with cam-lock system, it can slide along the bed freely when unlocked. Loosen the locking handle and move the Banjo to the desired place. Lock the lever firmly after adjustment.

Tool Rest

A14″ tool support is provided with your lathe as standard. It is designed to allow adjustment for height and angle. Loosen the locking lever to raise or lower the tool rest and angle it to the work. Tighten the handle before operating the Lathe.

The locking lever can be inserted into one of three holes on the tool rest base.

Headstock, Tailstock

Both headstock and tailstock can slide along the bed. Loosen the locking lever and move the Headstock or Tailstock to a desired place. Tighten the lever firmly after adjustment.

CAUTION: Always Unplug the lathe from the power source before headstock adjusting.

Spindle Centers installation/removing

1, Unplug the lathe from the power source.
2, Make sure the taper of center and the spindle taperred hole are clean and free of debris. Then push the center into the spindle taperred hole for installation.
3, To remove the center, insert the knockout rod from back hole in end of spindle and tap the center end (Fig. 15) out.

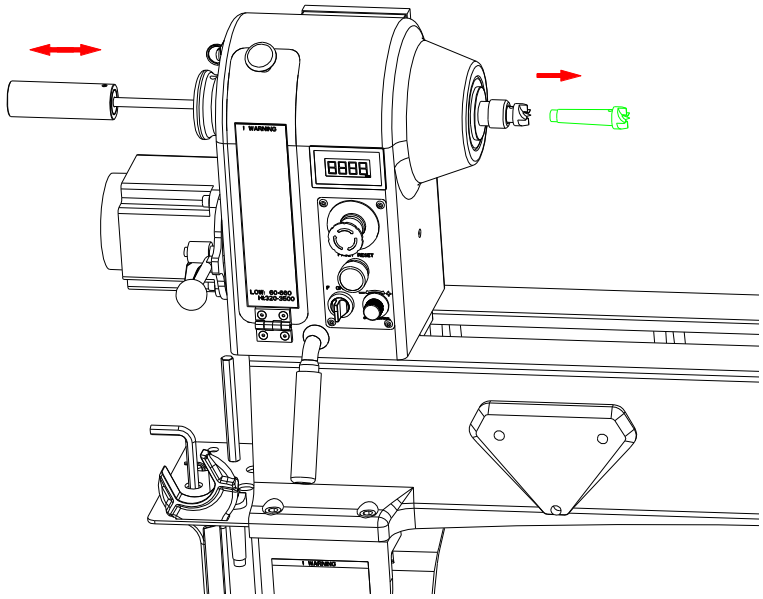


Fig .15

Faceplate-Mounting and Removing

1, Unplug the lathe from the power source.
2, Mount the faceplate to the work piece.
3, Install the face plate onto the spindle thread and turn it clockwise
4, Insert lock rod A (Fig.16) into hand wheel hole. Hold the rod and tighten the faceplate with faceplate wrench.
5, There is a set screw on face plate. Please tighten it when you work with the lathe in reverse rotation

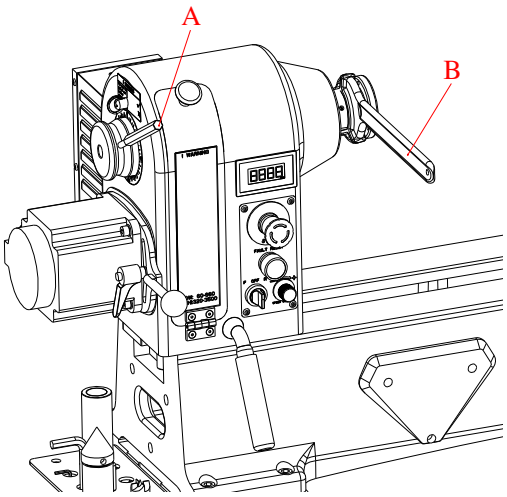


Fig .16

Tailstock Quill

The tailstock quill can be turned in and out by turning the quill hand wheel. A locking lever is used for secure the quill in position.

Tailstock centers Installation/removing

1, Make sure the taper of the center and the quill hole are clean and free of debris. Then push the center into the quill hole. The taper contact will hold the center securely.
2, To remove the center from tailstock, loosen the tailstock locking lever and move the quill out by turning the quill hand wheel until the quill end is almost inside the tailstock, then the center can be taken out by hand.

MAINTENANCE

Daily:
Clean off dust;
Clean and apply rust-proof oil on spindle and tailstock quill, bed ways.

Monthly:
Check belt tension;
Replace belt if it is damaged or worn;
Clean off dust from pulleys if any.

PARTS LIST / DIAGRAMS

Parts List
For models T-50 and T-60

Note: The parts for T-50 and T-60 lathes are mostly the same, except for some parts are different which clearly specified for T-50 or T-60.

Index No.	Part No.	Description	Size	Qty.
001	**HWT50-06-01**	**Specs Label For T-50**	**T-50**	**1**
001A	**HWT60-06-01**	**Specs Label For T-60**	**T-60**	**1**
002	HWT50-01-02	Stand		2
003	HWT50-06-02	Safety Label		1
004	HWT50-01-01	Bed		1
005	HWT50-01-37	Position Pin		2
006	GB/T70.1	Hex Socket Cap screw	M12×40	8
007		Leveler	M16×65	4
008	HWT50-01-45	Knockout Rod		1
009	HWT50-01-55	Spindle Locating Rod		1
010	HWT50-01-42	Knockout Bar		1
011		Alan Wrench	10	1
012		Alan Wrench	3	1
013	HWT50-01-52	Wrench	50	1
014	GB/T70.1	Hex Socket Cap screw	M12×20	2
015	GB/T 93	Spring Washer	12	2
016	GB/T 97.1	Flat Washer	12	2
017	HWT50-01-50	Tool Holder		1
018	HWT50-01-51	Face Plate	3”	1
019	GB/T 77	Set Screw	M6×10	2
020	HWT50-06-04	Alert Label		1
021	HWT50-01-40	Dead Center		1
022	HWT50-01-41	Live Center		1
101	HWT50-01-27	Position Pin		1
102	HWT50-06-06	Position Pin Label		1
103	GB/T 70.3	Hex Socket Cap screw	M4×12	2
104		Magnet	D15×5- ¢ 4	2
105	GB/T 889.1	Hex Nut	M4	7
106	**HWT50-01-10**	**Headstock Casting For T-50**	**20"**	**1**
106A	**HWT60-01-10**	**Headstock Casting For T-60**	**24"**	**1**

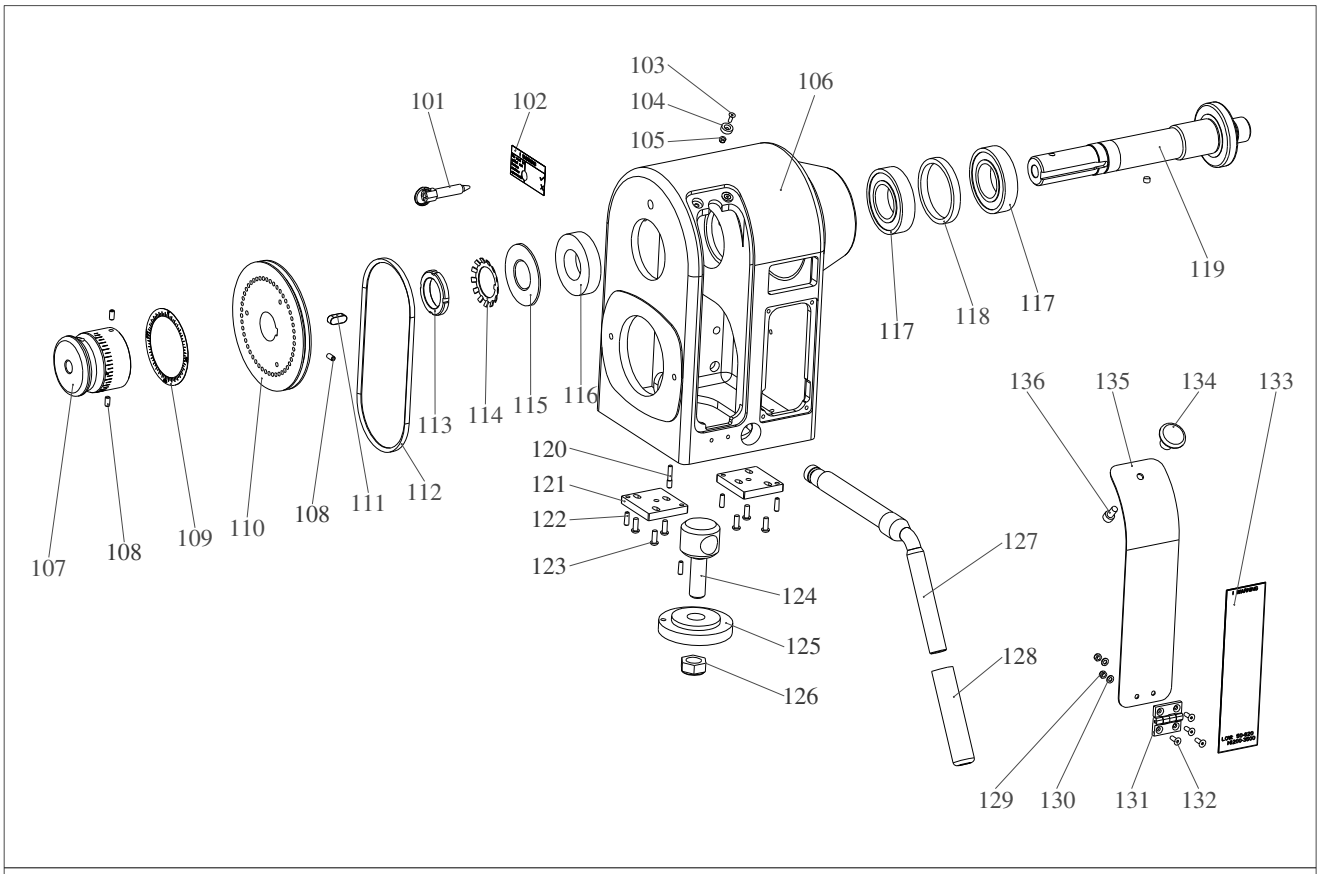
107	HWT50-01-16	Spindle Hand-wheel		1
108	GB/T 77	Set Screw	M6×12	6
109	HWT50-01-14	Degree Indictor		1
110	HWT50-01-17	Pulley		1
111	GB/T 1096	Flat Key	10×25	1
112		**Motor Belt For T-50**	**7M650**	**1**
112A		**Motor Belt For T-60**	**7M750**	**1**
113	HWT50-01-13	Lock Nut		1
114		Gasket		1
115		Nylon Washer	¢ 40-46-h1	1
116		Ball Bearing	6208/P6-2RZ	1
117		Ball Bearing	6209/P6-2RZ	2
118	HWT50-01-12	Separate Ring		1
119	HWT50-01-11	Spindle		1
120	HWT50-01-34	Position Pin	M6- ¢ 5	3
121	HWT50-01-33	Position Block		3
122	GB/T117	Taper Pin	6×20	8
123	GB/T70.2	Round Head screw	M6×16	10
124	HWT50-01-31	Lock Shaft		2
125	HWT50-01-32	Clamp Block		3
126	GB/T 889.1	Lock Nut	M20	3
127	HWT50-01-30	Lock Handle		1
128		Rubber Sleeve	¢ 21.5×120×δ3	3
129	GB/T 889.1	Hex Nut	M5	2
130	GB/T 97.1	Flat Washer	5	8
131		Hinge		1
132	GB/T70.3	Hex Socket Cap screw	M5×16	4
133	HWT50-06-03	Speed Step Indictor		1
134	HWT50-01-38	Button		1
135	**HWT50-01-35**	**20" Cover For T-50**	**20"**	**1**
135A	**HWT60-01-35**	**24" Cover For T-50**	**24"**	**1**
136	GB/T 70.1	Cap Screw	M8×16	1
201		Adjusting Handle	M10×45	1
202	HWT50-02-08	Lock Block		1
203	**HWT50-02-01**	**Tail Stock For T-50**	**20"**	**1**
203A	**HWT60-02-01**	**Tail Stock For T-60**	**24"**	**1**

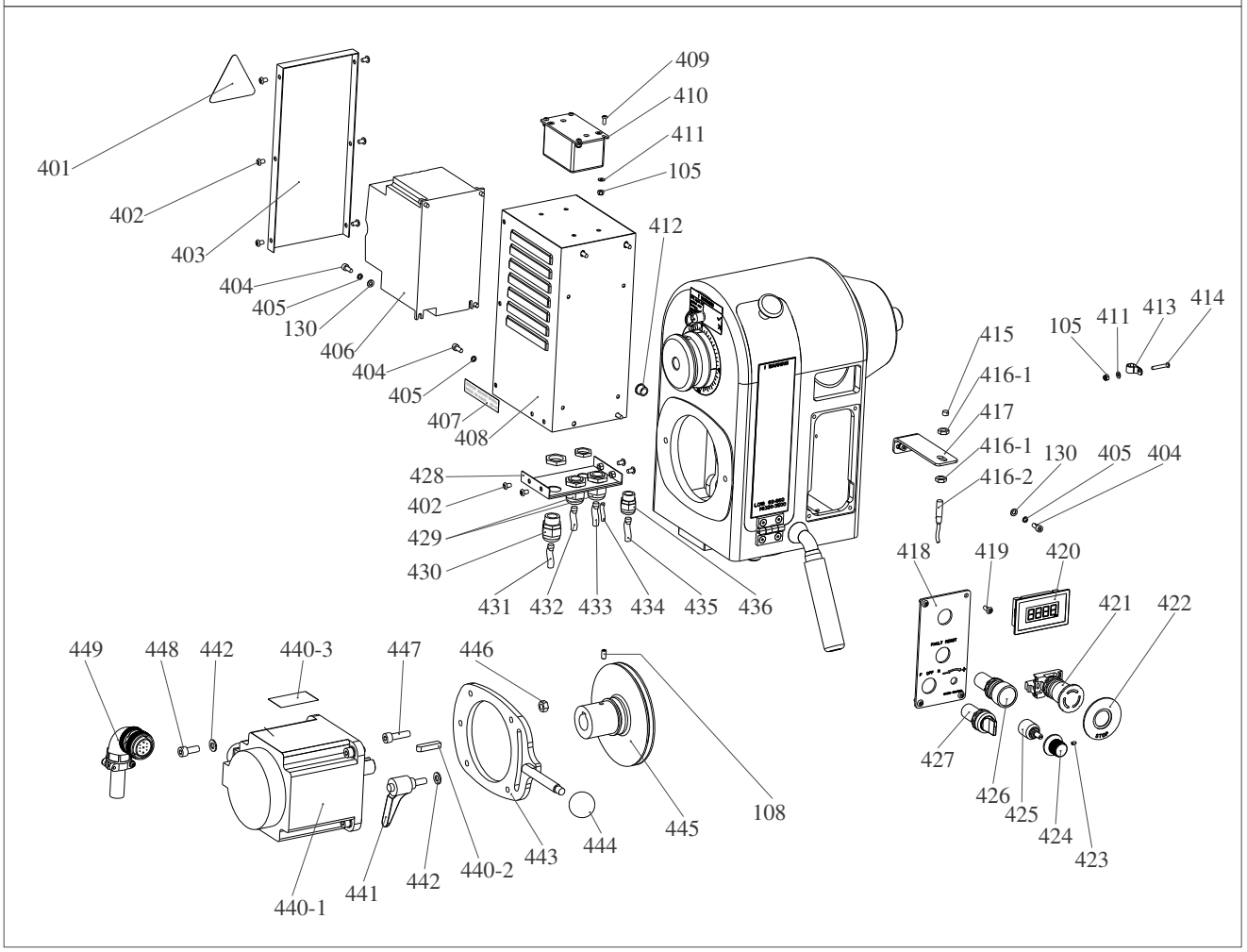
204	HWT50-02-02	Sleeve		1
205	HWT50-02-03	Lead Screw		1
206	HWT50-02-04	Position Ring		1
207	HWT50-02-05	Washer		1
208	GB/T 77-2000	Set Screw	M8×10	2
209	HWT50-02-06	Hand Wheel		1
210	HWT50-02-07	Handle		1
211	HWT50-02-10	Lock Handle		1
212	GB/T70.2	Cap Screw	M6×12	1
213	HWT50-02-11	Position Block		1
301	HWT50-03-02	Tool Rest		1
302	HWT50-03-01	Tool-Post Base		1
303		Adjusting Handle	M10×25	1
304	HWT50-03-06	Brass Sleeve		1
305	HWT50-03-03	Lock Handle		1
306	HWT50-03-04	Lock Shaft		1
401		Voltage Label	50	1
402	GB/T 70.2	Cap screw	M5×8	10
403	HWT50-04-17	Box Cover		1
404	GB/T 70.1	Cap Screw	M5×12	10
405	GB/T 93	Spring Washer	5	10
406		DC Brushless Drives	BLD015E121A	1
407	HWT50-04-24	Drives Label		1
408	HWT50-04-16	Box Body		1
409	GB/T 70.2	Cap screw	M4×10	4
410		Speed DRO Power	DC5V	1
411	GB/T 97.1	Flat Washer	4	5
412		Cable Clamp of open type	SB-1216C	1
413		R Cable Clamp	10.4mm	1
414	GB/T 70.2	Hex Socket Cap Screw	M4×25	1
415		Magnet	D8×5	1
416	HWT50-04-04	Switch		1
417	HWT50-04-11	Switch Bracket		1
418	HWT50-04-13	Cover		1
419	GB/T 70.2	Cap screw	M5×12	4
420	HWT50-04-03	Speed DRO		1

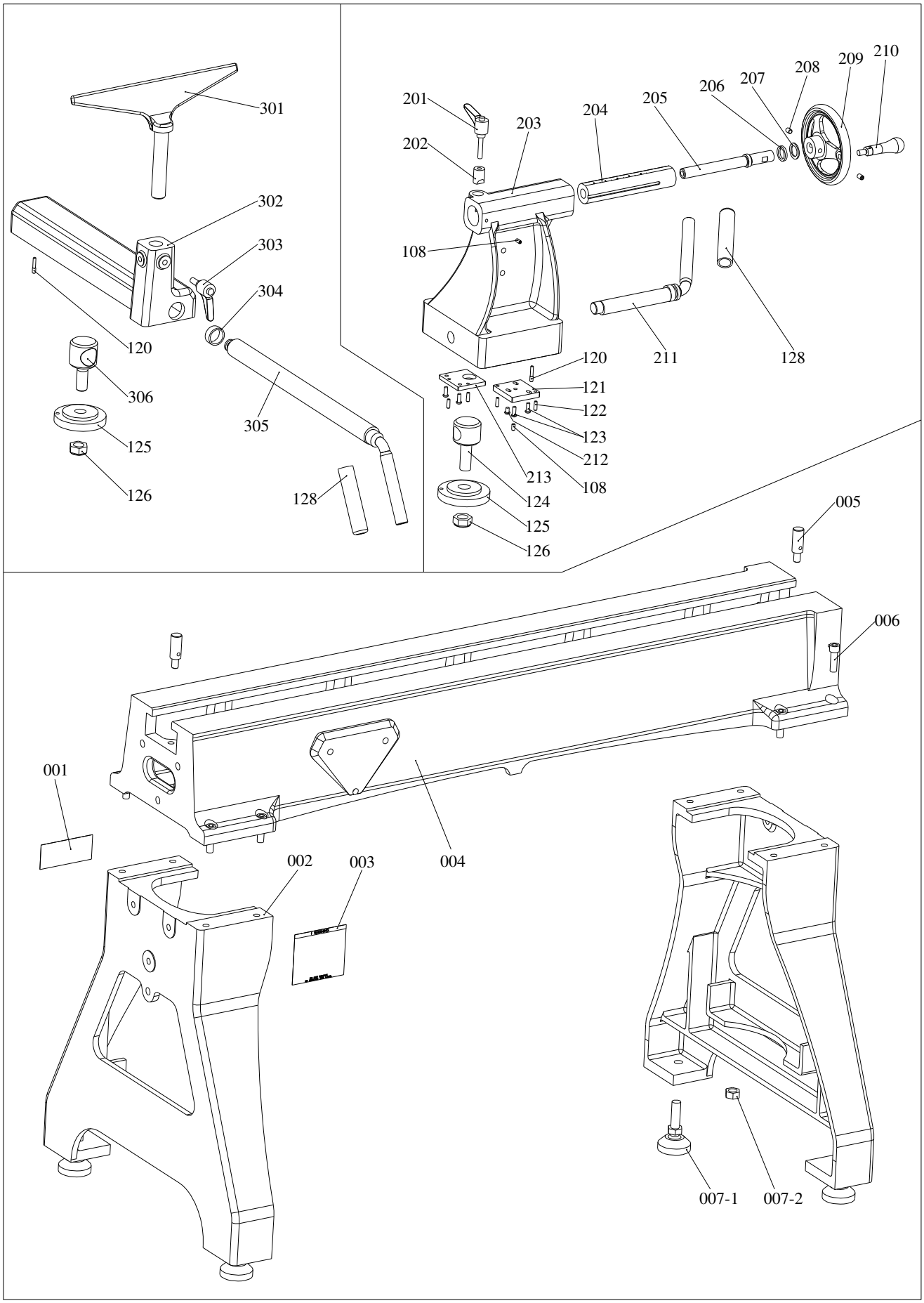
421		Emergency Stop Button		1
422		Emergency Stop Label	CA6-1026	1
423	GB/T 77	Set Screw	M4×6	1
424	HWT50-04-15	Speed Adjusting Button		1
425		Speed Controller	3590S-2-502L	1
426		Switch	CP1-10G-10	1
427		Three-position Switch	C3SS1-10B-20	1
428	HWT50-04-19	Box Bottom		1
429		Strain Relief Bushing	PG13.5	2
430		Strain Relief Bushing	PG13.5 OR PG11	1
431		Input Wire		1
432		output Wire		1
433		Control Wire		1
434		Wire		1
435		Signal Wire		1
436		Strain Relief Bushing	PG 7	1
440		2HP BLDC Motor	ECMD-E91315MS	1
441		Adjusting Handle	M8×20	1
442	GB/T 97.1	Flat Washer	8	5
443	HWT50-04-10	Motor Flange		1
444	JB/T7271.1	Handle Ball	M10×32	1
445	HWT50-01-18	Pulley		1
446	GB/T 889.1	Hex Lock Nut	M8	1
447	GB/T 70.1	Cap Screw	M8X35	1
448	GB/T 70.1	Cap Screw	M8×25	4
449		Plug	HMS3057-12A-ZN	1
Optional Accessories				
501	GB/T 70.1	Cap Screw	M10×30	4
502	GB/T 93	Spring Washer	10	4
503	GB/T 97.1	Flat washer	10	4
504	HWT50-01-28	Position Pin	M12- ¢ 8	1
505	**HWT50-01-03**	**Support Bracket For T-50**	**20”**	**1**
505A	**HWT60-01-03**	**Support Bracket For T-60**	**24”**	**1**
506		Adjusting Handle	M10×25	1
507	**HWT50-01-04**	**Rear Support Bracket For T-50**	**20”**	**1**
507A	**HWT50-01-04**	**Rear Support Bracket For T-60**	**24”**	**1**

508	HWT50-01-43	Profiling Center		1
509	HWT50-01-44	Profiling Center		1
510	GB/T 77	Set Screw	M6×8	4
511	HWT50-01-58	Guard Position Ring		2
512	**HWT50-01-57**	**Spindle Guard For T-50**	**20”**	**1**
512A	**HWT60-01-57**	**Spindle Guard For T-60**	**24”**	**1**
513	GB/T 6170	Hex Nut	M12	4
514	HWT50-01-54	Chisel Storage Rod		1
515	HWT50-01-53	Chisel Storage Pan		1
516	HWT50-05-01	Extension Bed	20”	1
517	HWT50-01-37	Position Pin		1
518	GB/T70.1	Hex Socket Cap screw	M12×40	3
519		Adjusting Handle	M10×20	1
520	HWT50-05-02	High Tool-rest Bar		1
12”Swing-Away Extension Bed (Standard For T-60)				
530	GB/T 70.1	Cap screw	M8×25	6
531	GB/T 77	Set Screw	M6×10	4
532	HWT50-05-07	Hinge Shaft		1
533	HWT50-05-10	Brass Sleeve		1
534	HWT50-05-06	Lower Hinge		1
535	HWT50-05-11	Upper Hinge		1
536	HWT50-05-05	Swing Extension Bed	12”	1
537	GB/T 6170	Hex Nut	M12	3
538	HWT50-05-09	Position Pin		2
539	GB/T 70.3	Cap screw	M6×16	1
540		Magnet	D20×10- ¢ 6	1
541	HWT50-05-08	Locating Shaft		1
542	GB/T 97.1	Flat Washer	12	1
543	GB/T 93	Spring Washer	12	1
544	GB/T70.1	Cap screw	M12×20	1
545	GB/T70.1	Cap screw	M12×50	1
546	GB/T70.1	Cap screw	M12×40	2
547		Bed Lock Assy	GTY-431SS	1
548	GB/T 70.2	Cap screw	M6×16	6

Parts Diagrams



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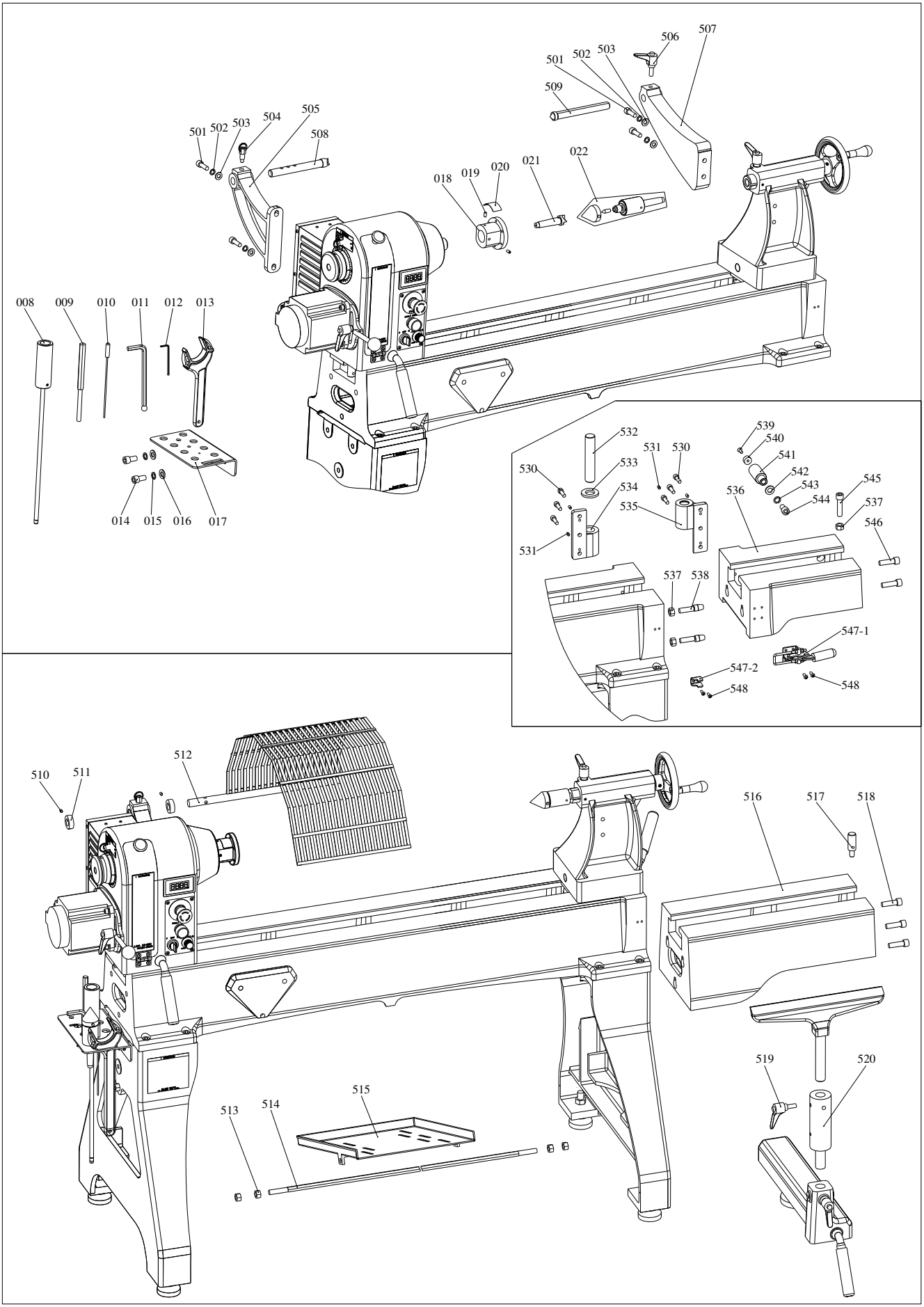
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