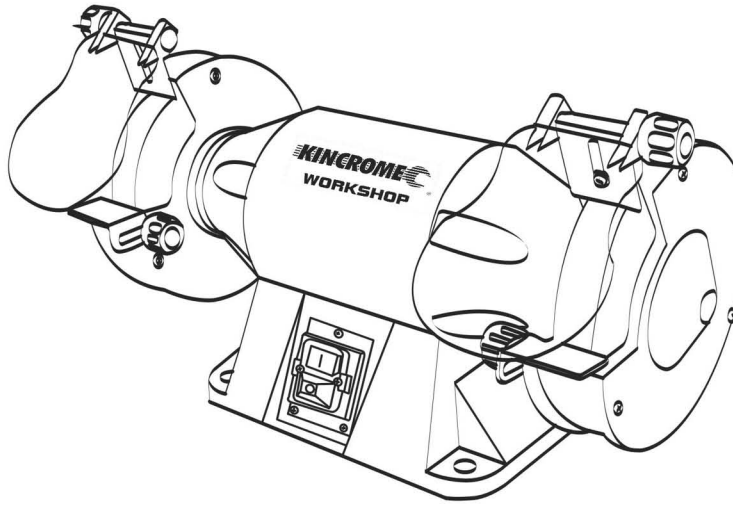
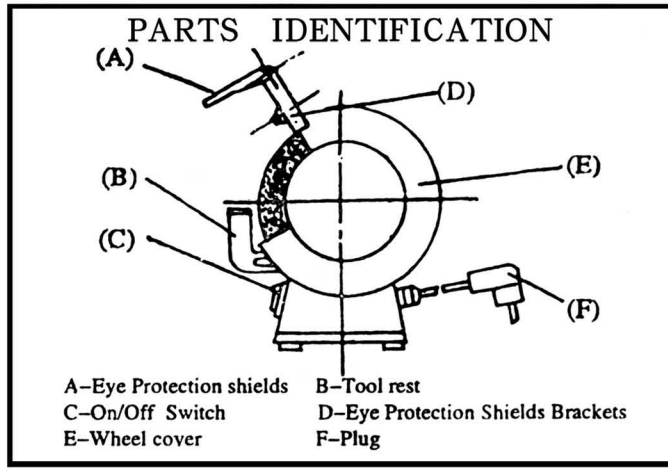
250mm Bench Grinder

PART NO.: K15250

INSTRUCTION MANUAL





SAFETY INSTRUCTIONS

WARNING! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following . SAFETY FIRST - read all instructions thoroughly and learn the applications, operating limitations and potential hazards of this tool before attempting to operate it.

1. KEEP WORK AREA CLEAN: Cluttered areas and benches invite injuries.
2. CONSIDER WORK AREA ENVIRONMENT: Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use tool in presence of flammable liquids or gases.
3. KEEP CHILDREN AWAY: Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
4. STORE IDLE TOOLS: When not in use tools should be stored in dry, high, or locked-up place out of reach of children.
5. DON'T FORCE TOOL: It will do the job better and safer at the rate for which it was intended.
6. USE RIGHT TOOL: Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended. For example, don't use circular saw for cutting tree limbs or logs.
7. DRESS PROPERLY: Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended, Wear protective hair covering to contain long hair.
8. USE SAFETY GLASSES: Also, use dust mask if cutting operation is dusty.
9. DON'T OVERREACH: Keep proper footing and balance at all times.

10.MAINTAIN TOOLS WITH CARE: Keep tools sharp and clean for better and safer performance. Follow instruction for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have them repaired by authorized service facility.
11.REMOVE ADJUSTING KEYS AND WRENCHES: Form habit of checking that keys and adjusting wrenches are removed from tool before turning tool on.
12.STAY ALERT WATCH WHAT YOU ARE DOING: Use common sense. Do not operate tool when you are tired.
13.CHECK DAMAGED PARTS: Before using the tool, check carefully to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service technician also have defective switches replaced by authorized service technician. Don't use tool if switch does not turn it on and off.
14.ACCESSORIES: The use of accessories or attachments other than recommended might present a hazard.
15.REPLACEMENT PARTS: When servicing use only identical replacement parts.
16.SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

MAIN STRUCTURE

1.MOTOR is of single phase and insulation of class **B** with motor frame being made of aluminum or iron casting.
2.WHEEL COVER is made of steel plate. It is used to prevent splashing of sparks and to connect eye protectors.
3.GRINDING WHEELS
4.SWITCH
5.PLUG & WIRE is of three prongs with one being ground wire.
6.CAPACITOR

PRECAUTIONS ON USING BENCH GRINDERS

1.Disconnect power supply plug before replacing wheels or covers.
2.Replace cracked or damaged wheels immediately.
3.Always use guards and eye shields.
4.Ensure tool rests and eye shields are properly adjusted.
5.Do not over tighten wheel nut.
6.Adjust distance between wheel and tool rest to maintain 1/16"(1.6mm) or less separation as the diameter of the wheel decreases with use.
7.Use grinding wheel suitable for the speed of the grinder.
8.Ensure grinding wheels rotate freely before switching on power.

9.Stand beside the bench grinder when switching on the power. Do not stand if front of the grinder.
10.Allow a new grinding wheel to rotate for one minute prior to use to ensure it is in good condition.
11.Don't operate the grinder with the wheel guard off.
12.Don't use the grinding wheels for cutting purposes.
13.Do not overload the grinder.
14.Use a wheel dresser to remove burrs from the grinding wheel.
15.Maintain a distance between the spark breaker and the grinding wheel of less than 1/16" (1.6mm).

ASSEMBLY

Assemble the eye shields, spark breakers and tool rests using the screws provided. Be sure to position both the tool rests and spark breakers no more than 1.6 mm (1/16") from the edge of the grinding wheel.
It is advisable to secure the bench grinder to the work bench or stand.

OPERATION

1.After switching the grinder on, allow it to reach full speed before commencing grinding operation.
2.The eye shields are able to be adjusted and should be positioned to allow the operator a clear view of the work through the shields.
3.The appropriate adjustments of the tool rests will provide the correct working angle for efficient grinding. As the diameter of the grinding wheel is subject to wear, it will be necessary to re-adjust the tool rests positions to maintain the correct gap of less than 1.6mm (1/16") with the edge of the grinding wheel.

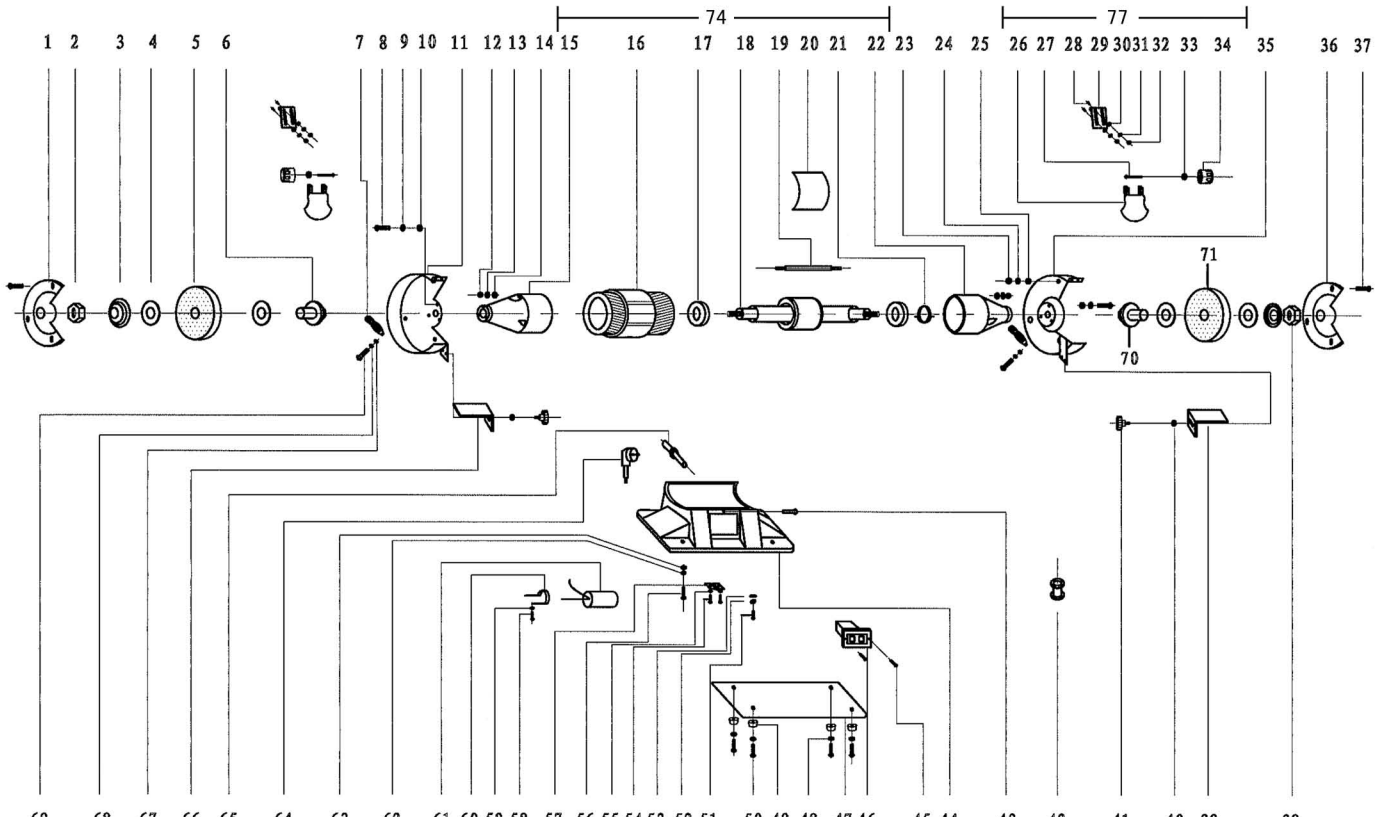
REMOVING OR CHANGING THE GRINDING WHEELS

To renew or change the grinding wheels, follow these series of steps:
(a) Disconnect the power supply cord.
(b) Remove the outside covers, left and right.
(c) Holding the grinding wheel firmly, remove the nut and flange from the shaft with a spanner Note that the left wheel nut has a left hand thread and the right wheel nut has a right hand thread.
(d) Remove the old wheel and replace it with the new wheel.
(e) Reassemble the flange, nut, and outside covers.
(f) Allow the grinder to run for one minute to ensure the grinding wheel is not out of balance before commencing any grinding work.

TECHNICAL DATA

PART NO.	K15250
Voltage	230V-50Hz
Diameter	250×32×32mm
Rated power	900W

K15250 Explosive Drawing



K15250 Parts List

PART NO.	CODE	DESCRIPTION	PART NO.	CODE	DESCRIPTION
1	K15250-1	Left Outer Cover	38	K15250-38	Wheel Lock Nut
2	K15250-2	Wheel Lock Nut	39	K15250-39	Right Tool Rest
3	K15250-3	Outer Wheel flange	40	K15250-40	Washer
4	K15250-4	Nameplate of wheel	41	K15250-41	Knob Nut
5	K15250-5	10″Wheel (FINE)	42	K15250-42	Cable protector
6	K15250-6	Inner Wheel flange	43	K15250-43	Bolt
7	K15250-7	Ash Tube	44	K15250-44	Base
8	K15250-8	Bolt	45	K15250-45	Bolt
9	K15250-9	Washer	46	K15250-46	Switch
10	K15250-10	Flat washer	47	K15250-47	Base plate
11	K15250-11	Left Inner Cover	48	K15250-48	Washer
12	K15250-12	Screw	49	K15250-49	Rubber feet
13	K15250-13	Washer	50	K15250-50	Bolt
14	K15250-14	Flat washer	51	K15250-51	Bolt
15	K15250-15	End cover	52	K15250-52	Washer
16	K15250-16	Stator	53	K15250-53	Tooth washer
17	K15250-17	Bearing	54	K15250-54	Bolt
18	K15250-18	Rotor	55	K15250-55	Flat washer
19	K15250-19	Bolt	56	K15250-56	Bolt
20	K15250-20	Label	57	K15250-57	Cord bushing plate
21	K15250-21	Waved spring	58	K15250-58	Bolt
22	K15250-22	End cover	59	K15250-59	Flat washer
23	K15250-23	Screw	60	K15250-60	Capactitor clip
24	K15250-24	Washer	61	K15250-61	Capacitor
25	K15250-25	Flat washer	62	K15250-62	Washer
26	K15250-26	Eyeshield	63	K15250-63	Flat washer
27	K15250-27	Square Neck Screw	64	K15250-64	Plug & Cord
28	K15250-28	Screw	65	K15250-65	Cable Adaptor
29	K15250-29	Eyeshield Bracket	66	K15250-66	Left Tool Rest
30	K15250-30	Flat washer	67	K15250-67	Flat washer
31	K15250-31	Washer	68	K15250-68	Washer
32	K15250-32	Nut	69	K15250-69	Bolt
33	K15250-33	Flat washer	70	K15250-70	Flange
34	K15250-34	Knob Nut	71	K15250-71	10″Wheel(Coarse)
35	K15250-35	Right Inner Cover	74	K15250-74	Motor Assembly
36	K15250-36	Right Outer Cover	77	K15250-77	Guard Assembly
37	K15250-37	Bolt			