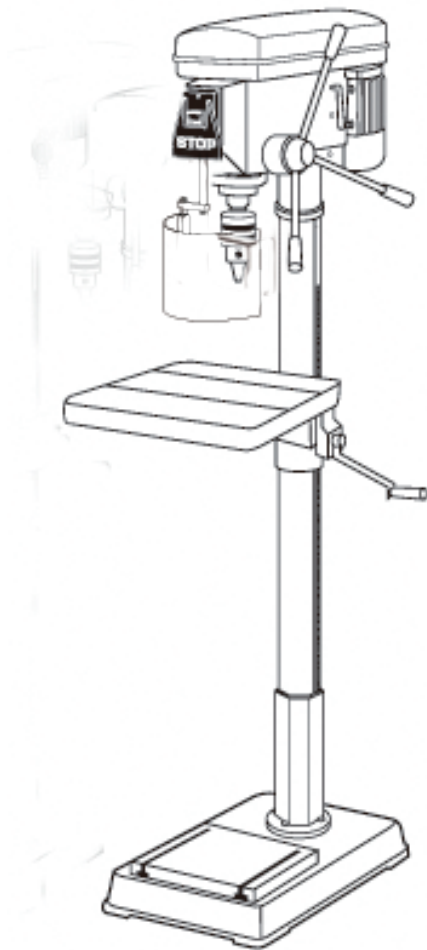


MAGNUM

INDUSTRIAL

MODEL NO.: MI-76450



PARTS BREAKDOWN

MAGNUM

INDUSTRIAL

MAGNUM DRILL PRESS ASSEMBLY INSTRUCTIONS

MI-76450

Before you assemble your drill press, review the parts breakdown and keep it ready for reference. Start by removing the parts from the packaging. Carefully check the packaging for small pieces before you continue. Lay out the parts on a large, clear and unobstructed area and ensure that all parts are accounted for.

ASSEMBLING THE DRILL PRESS

1. Fasten the column (99) to the base (100) with the 4 bolts (97)
2. Remove the rack ring (79) from the column (80) by tapping and rotating it slowly upwards.
3. Make sure the raising gear (88) (89) are in place. Insert the rack (77N) into the table bracket slot (81) and while holding the rack in position lower these 2 pieces simultaneously onto the column . (this may require 2 people) . The bottom of the wrack (77N) slips into the slot provided on part (110).The top of the wrack (77N) is held in place by replacing the rack collar (79) back onto the column and tighten the set screw.(78) Place the handle (86) on the worm gear shaft (88) and secure it with the Hex head bolt.(85)
4. Lower the main head to the column and tighten the head with the set screws (60).This will require at least 2-3 people or a forklift assist
5. Attach the 3 feed handles, (66) (65).

Once assembled, clean the protective coating from all surfaces (where Applicable) using a rag dipped in kerosene, mineral spirits or paint thinner. (Dispose of potentially flammable solvent-soaked rags according to Manufacturer's safety recommendations.) A putty knife, held flat to avoid Scratching the surface, may also be used to scrape off the coating followed By clean-up with solvent. Avoid rubbing painted surfaces, as many Solvent-based products will remove paint.

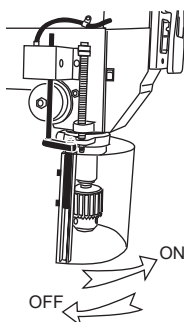
INSTALLING THE CHUCK

1: Degrease all pieces. Slide the ARBOR (104) into the spindle (85), flat end up. Slide the chuck (105) over the tapered end of the arbor and, using a wooden mallet, give the chuck a good tap. The taper is designed to hold the chuck securely in place.

If you have any questions or require further information,
please contact KMS Tools Service Department at 604.395.4134 or email repairs@kmstools.com

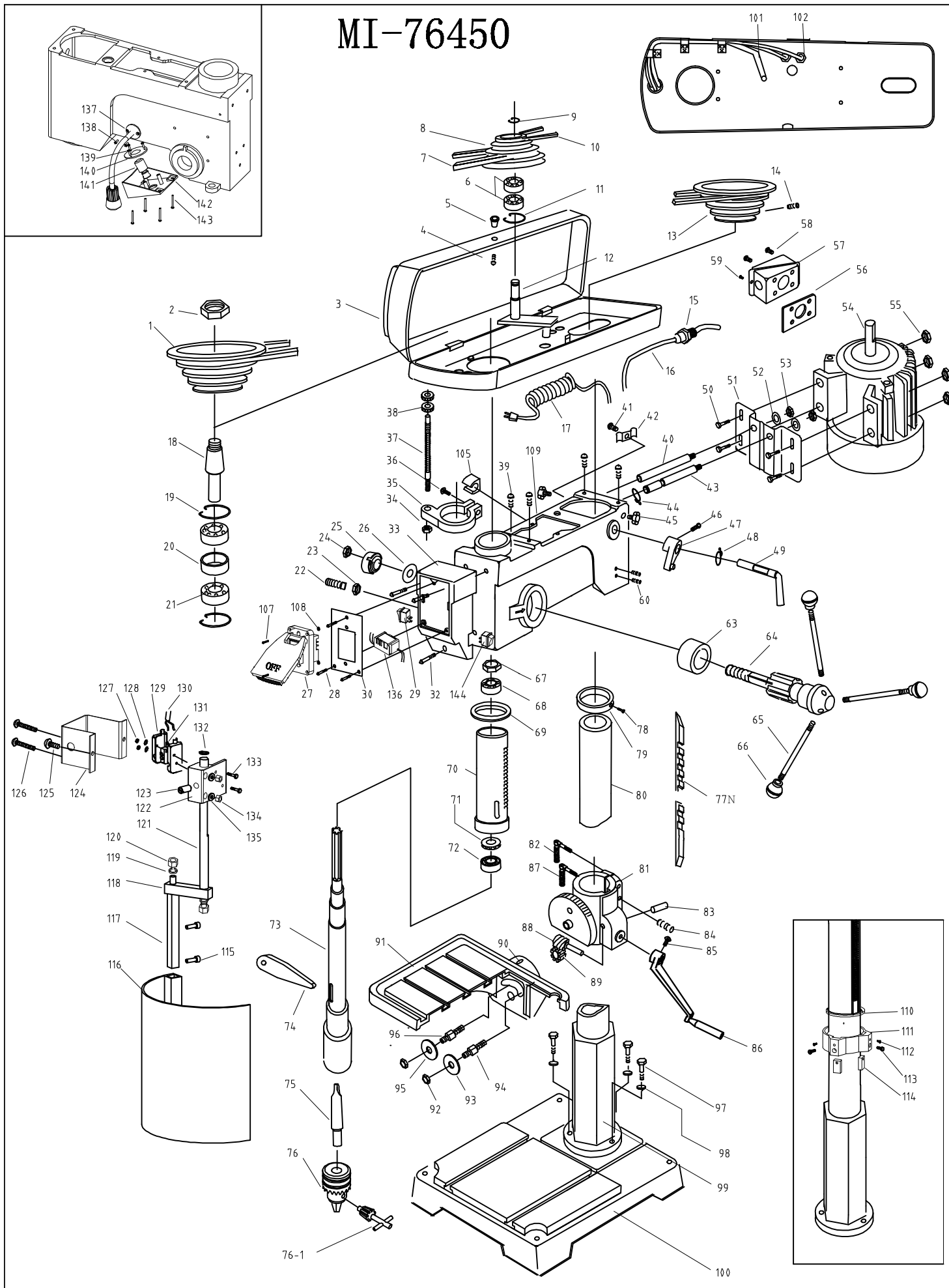
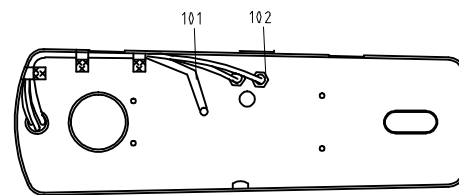
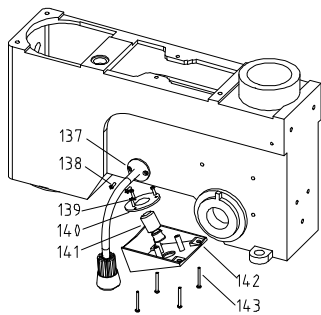
IMPORTANT NOTE :

TO CHANGE TO 220 VOLT THE MOTOR CONNECTION MUST BE CHANGED FOLLOW DIAGRAM LOCATED IN THE MOTOR COVER PLATE AS WELL AS THE PLUG END. THE SWITCH MUST ALSO BE REPLACED WITH 220 VOLT RATED SWITCH SEE PARTS LIST FOR PART # .



THE SEE-THROUGH SWING-AWAY CHUCK GUARD IS EQUIPPED WITH A SAFETY INTERLOCK THAT AUTOMATICALLY SHUTS OFF THE MACHINE WHEN THE CHUCK GUARD IS OPENED. TO TURN ON OR RUN THE DRILL PRESS, MAKE SURE THAT THE CHUCK GUARD IS PROPERLY CLOSED.

MI-76450



MI-76450 PART LIST

PART NO.	DESCRIPTION	QTY
MI-76450-01	SPINDLE PULLEY	1
MI-76450-02	NUT	1
MI-76450-03	PULLEY COVER HOLDER	1
MI-76450-04	SCREW	1
MI-76450-05	KNOB	1
MI-76450-06	BEARING	2
MI-76450-07	V-BELT	1
MI-76450-08	MIDDLE PULLEY	1
MI-76450-09	RETAINING RING	1
MI-76450-10	V-BELT	1
MI-76450-11	RETAINING RING	1
MI-76450-12	SHAFT ASSEMBLY	1
MI-76450-13	MOTOR PULLEY	1
MI-76450-14	SCREW	1
MI-76450-15	STRAIN RELEF	1
MI-76450-16	MOTOR CORD	1
MI-76450-17	CORD WITH PULG	1
MI-76450-18	PULLEY INSERT	1
MI-76450-19	RETAINING RING	2
MI-76450-20	BEARING SPACER	1
MI-76450-21	BEARING	2
MI-76450-22	BOLT	1
MI-76450-23	HEX NUT	1
MI-76450-24	HEX NUT	1
MI-76450-25	SPRING AND CAP	1
MI-76450-26	WASHER	1
MI-76450-27-110	ON/OFF SWITCH (110V)	1
MI-76450-27-220	ON/OFF SWITCH (220V) Optional	1
MI-76450-28	SCREW	3
MI-76450-29	LIGHT SWITCH	1
MI-76450-30N	SWITCH PLATE	1
MI-76450-32	SCREW	3
MI-76450-33N	SWITCH BOX	1
MI-76450-34	NUT	1
MI-76450-35	CLAMPING SEAT DEPTH STOP	1
MI-76450-36	SCREW	1
MI-76450-37	DEPTH STOP ROD	1
MI-76450-38	LOCK NUT	2
MI-76450-39	SCREW	2
MI-76450-40	MOTOR BRACKET SUPPORT	1
MI-76450-41	SCREW	1
MI-76450-42	CORD CLAMP	1
MI-76450-43	MOTOR BRACKET SUPPORT	1
MI-76450-44	RETAINING RING	1
MI-76450-45	WING SCREW	2
MI-76450-46	SCREW	1
MI-76450-47	ADJUSTING LEVER	1
MI-76450-48	RETAINING RING	1
MI-76450-49	LEVER SHAFT HEX HEAD SCREW	1
MI-76450-50	HEX HEAD SCREW	4
MI-76450-51	MOTOR PLATE	1
MI-76450-52	SPRING WASHER	2
MI-76450-53	HEX NUT	2

MI-76450 PART LIST

PART NO.	DESCRIPTION	QTY
MI-76450-54	MOTOR 1HP_110V_1PH	1
MI-76450-54N	MOTOR 1HP_110V / 220V_1PH	1
MI-76450-55	HEX NUT	4
MI-76450-56	WASHER PAD	1
MI-76450-57	JUNCTION BOX	1
MI-76450-58	SCREW	4
MI-76450-59	SCREW	1
MI-76450-60	SET SCREW	2
MI-76450-63	SPACER	1
MI-76450-64	PINION SHAFT	1
MI-76450-65	FEED HANDLE	3
MI-76450-66	KNOB	3
MI-76450-67	SPINDLE NUT	1
MI-76450-68	BEARING	1
MI-76450-69	QUILL BASKET	1
MI-76450-70	QUILL	1
MI-76450-71	THRUST BEARING	1
MI-76450-72	BEARING	1
MI-76450-73	SPINDLE	1
MI-76450-74	DRIFT KEY	1
MI-76450-75	ARBOR	1
MI-76450-76	CHUCK	1
MI-76450-76-1	K EY	1
MI-76450-77	RACK	1
MI-76450-78	SCREW	1
MI-76450-79	RACK COLLAR	1
MI-76450-80	COLIMN	1
MI-76450-81	TABLE BARCKET	1
MI-76450-82	LOCK HANDLE	2
MI-76450-83	GEAR SHAFT	1
MI-76450-84	SET SCREW	3
MI-76450-85	HEX HEAD SCREW	1
MI-76450-86	CRANK SLEEVE HANDLE	1
MI-76450-87	TILT SCALE	1
MI-76450-88	ELEVATING WORM	1
MI-76450-89	HELICAL GEAR	1
MI-76450-90	POINTER	1
MI-76450-91	TABLE	1
MI-76450-92	HEX NUT	2
MI-76450-93	WASHER PAD	1
MI-76450-94	ARM STUD	1
MI-76450-95	WASHER	1
MI-76450-96	ARM STUD	1
MI-76450-97	BOLT	3
MI-76450-98	SPRING WASHER	3
MI-76450-99	FLANGE	1
MI-76450-100	BASE	1
MI-76450-101	CORD FOR LAMP	1
MI-76450-102	CORD PROTECTOR	1
MI-76450-103	CAPACITOR (NOT SHOWN)	1
MI-76450-104	CAPACITOR COVER(NOT SHOWN)	1
MI-76450-105	KEY HOLDER	1
MI-76450-107	SCREW	1

MI-76450 PART LIST

PART NO.	DESCRIPTION	QTY
MI-76450-108	NUT	1
MI-76450-109	HEAD	1
MI-76450-110	COLUMN PLATE	1
MI-76450-111	RACK SEAT	1
MI-76450-112	HEX HEAD BOLT M4	2
MI-76450-113	HEX HEAD BOLT M10	2
MI-76450-114	STOP BLOCK	1
MI-76450-115	CAP SCREW	2
MI-76450-116	CHUCK GUARD	1
MI-76450-117	GUARD SHAFT	1
MI-76450-118	CONNECT BAR	1
MI-76450-119	SPRING WASHER	1
MI-76450-120	NUT	1
MI-76450-121	FIEXED SEAT CONNECT BAR	1
MI-76450-122	FIEXED SEAT	1
MI-76450-123	SET SCREW	1
MI-76450-124	SWITCH PLATE	1
MI-76450-125	SCREW	1
MI-76450-126	SET SCREW	2
MI-76450-127	NUT	2
MI-76450-128	SCREW	2
MI-76450-129	LIMIT SWITCH BOX	1
MI-76450-130	LIMIT POWER CORD	1
MI-76450-131	LIMIT SWITCH BOX	1
MI-76450-132	SHAFT CLIP RING	1
MI-76450-133	SET SCREW	2
MI-76450-134	NUT	2
MI-76450-135	SPRING WASHER	2
MI-76450-136	TRANSFORMER	1
MI-76450-137	LED LIGHT	1
MI-76450-138	SCREW	2
MI-76450-139	SCREW	3
MI-76450-140	LASER COVER	1
MI-76450-141	LASER	1
MI-76450-142	LASER BOX	1
MI-76450-143	SCREW	4
MI-76450-144	LIGHT SWITCH	1