
Industrial Machine Disassembly Work Instructions

Job code	IMD-001-WI
Summary	Motor Assembly removal from the Industrial Machine
Work type	Disassembly
Role	Maintenance disassembly
Expected time	21 min
Work cell	RVG-8450
Previous job	Disconnect from power source
Next job	Connect the power source
Work order	Follow the instructions
Revision	A-02

PREREQUISITES

Safety Gear should be worn at all times.

Use the IBD-2018 tools set.

PARTS LIST

Part number/ Alternative part number	Description	Quantity
WB00001	WorkBench	1
BT00440	BOLT	4
BT00521	BOLT	2
8X1L2	SHEETMETAL SCREW	4
8X1L2	SHEETMETAL SCREW	3
PU69520	PULLEY - SLAVE	1
WH87680	WASHER	2
CL34890	CABLE CLAMP	3
MT43200	MOTOR - MAIN DRIVE	1
DMS05712	Drive Motor Shaft	1
MT43300	MOTOR MOUNT PLATE	1
PU69521	PULLEY COVER	1
MT43100	CLUTCH DRIVE ASSY	1
MT43110	Clutch Shaft	1
PU69530	KEY	2
CD88521	POWER CORD	1
MT43220	GUARD BRACKET	1
WH87690	WASHER	8
NT56155	NUT	4
BT00535	BOLT	4
PU69510	PULLEY - DRIVE	1
PU69550	BELT	1
CT54000	CONTROL PANEL	1
CPA0007	Control Panel	1
SB001547	Start Button	1
SB00578	Stop Button	1
BT00420	BOLT	2

Part number/ Alternative part number	Description	Quantity
SH66270	GUARD - LEFT	1
BLT487	Bolts	2
	WRENCH	

JOB

Nº	Task	Illustration
1	<p>Test Operation</p> <div style="border: 2px solid orange; padding: 5px; margin-bottom: 10px;"> <p>CAUTION</p> <p>Check if machine is connected to the power source by switching it on. (point the camera to the nothing)</p> </div> <p>1.1 Turn on Workbench using the Start Button on the Control Panel.</p> <p>1.2 Check if machine turns on.</p> <p>1.3 Turn off Workbench using the Stop Button on the Control Panel.</p> <div style="border: 2px solid red; padding: 5px; margin-top: 10px;"> <p>WARNING</p> <p>Ensure that power is disconnected before proceeding. (point the camera to the nothing)</p> </div>	
2	<p>Remove Left Guard.</p> <p>2.1 Remove Bolts.</p> <p>2.2 Detach Left Guard.</p>	
3	<p>Remove Pulleys.</p> <p>3.1 Remove Belt from Pulleys.</p> <p>3.2 Remove Key and Slave Pulley from Clutch Shaft.</p> <p>3.3 Remove Key and Drive Pulley from Drive Motor Shaft.</p> <p>3.4 Remove Pully Cover.</p> <p>3.5 Remove Guard Bracket by unscrewing Sheetmetal Screws.</p>	
4	<p>Remove Main Drive Motor.</p> <p>4.1 Disconnect Power Cord from Main Drive Motor.</p> <p>4.2 Losen the Bolts, preventing movement during</p>	

№	Task	Illustration
	<p>operation.</p> <p>4.3 Losen the Bolts, by holding the Nuts with a Wrench.</p> <p>4.4 Remove Nuts, Bolts and Washers.</p> <p>4.5 Remove Main Drive Motor.</p>	
5	Remove Clutch Drive Assy and Bolts.	
6	<p>Remove Power Cord</p> <p>6.1 Remove the Sheetmetal Screws.</p> <p>6.2 Remove Power Cord and Cable Clamps from Motor Mounting Plate.</p>	
7	<p>Remove Motor Mounting Plate.</p> <p>7.1 Detach Motor Mounting Plate from Workbench.</p> <p>7.2 Remove Bolts and Washers from Motor Mounting Plate.</p>	