

Industrial Machine Disassembly Work Instructions

Summary:	Motor Assembly removal from the Industrial Machine
Work type:	Disassembly
Role:	Maintenance disassembly
Exp time:	21 minute
Work cell:	RVG-8450
Pre job:	Disconnect from power source.
Post 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.

REQUIRED PARTS

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
CNTRL_PANEL_ASM_17b	Control Panel	1
SB001547	Start Button	1
SB00578	Stop Button	1
BT00420	BOLT	2

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

JOB

TASK 1

Test Operation

CAUTION

Check if machine is connected to the power source by switching it on. (point the camera to the nothing)

WARNING

Ensure that power is disconnected before proceeding. (point the camera to the nothing)

- 1.1 Turn on [Workbench](#) using the [Start Button](#) on the [Control Panel](#).
- 1.2 Check if machine turns on.
- 1.3 Turn off [Workbench](#) using the [Stop Button](#) on the [Control Panel](#).

TASK 2

Remove [Left Guard](#).

- 2.1 Remove [Bolts](#).
- 2.2 Detach [Left Guard](#).

TASK 3

Remove [Pulleys](#).

- 3.1 Remove [Belt](#) from [Pulleys](#).
- 3.2 Remove [Key](#) and [Slave Pulley](#) from [Clutch Shaft](#).
- 3.3 Remove [Key](#) and [Drive Pulley](#) from [Drive Motor Shaft](#).
- 3.4 Remove [Pully Cover](#).
- 3.5 Remove [Guard Bracket](#) by unscrewing [Sheetmetal Screws](#).

TASK 4

Remove [Main Drive Motor](#).

- 4.1 Disconnect [Power Cord](#) from [Main Drive Motor](#).
- 4.2 Losen the [Bolts](#), preventing movement during operation.
- 4.3 Losen the [Bolts](#), by holding the [Nuts](#) with a [Wrench](#).

4.4 Remove [Nuts](#), [Bolts](#) and [Washers](#).

4.5 Remove Main Drive Motor.

TASK 5

Remove Clutch Drive Assy and Bolts.

TASK 6

Remove Power Cord

6.1 Remove the Sheetmetal Screws.

6.2 Remove Power Cord and Cable Clamps from Motor Mounting Plate.

TASK 7

Remove Motor Mounting Plate.

7.1 Detach Motor Mounting Plate from Workbench.

7.2 Remove Bolts and Washers from Motor Mounting Plate.