



# IRONHORSE

## PARTS INCLUDED IN THESE INSTRUCTIONS

## FASTENER INFORMATION

### IRONHORSE® MOTOR REPLACEMENT PARTS INSTALLATION

- Please read this instruction sheet thoroughly before installing these motor parts.
- The contents of this instruction sheet may be changed without prior notice. Please check the AutomationDirect website for the latest version: [www.automationdirect.com](http://www.automationdirect.com)

#### INSTALLATION INSTRUCTIONS



Repairs to be performed only by a qualified industrial electrical technician.



Disconnect all power to the motor and lock out the power source before performing any repairs.

#### MOTOR FAN SHROUD REPLACEMENT

- 1) Disconnect power and lock out the power source.
- 2) Remove the existing fan shroud.
- 3) Align the new fan shroud so that the hole and rubber plug provide access to the motor zerk fitting (if applicable, depending upon motor size).
- 4) Install the new fan shroud.
- 5) Manually turn the motor shaft to check for fan clearance (if possible, depending upon motor size).

#### MOTOR FAN REPLACEMENT

- 1) Disconnect power and lock out the power source.
- 2) Remove the existing fan shroud as previously described.
- 3) Use snap-ring pliers to remove the existing fan snap ring from the motor shaft.
- 4) Use a gear puller to pull the fan off of the motor shaft. Put the grips of the puller into the slots near the sturdy center of the fan. DO NOT TRY TO PRY THE FAN OFF WITH OTHER HAND TOOLS.
- 5) Install the new fan and snap ring.
- 6) Re-install the fan shroud as previously described.

#### JUNCTION BOX REPLACEMENT

- 1) Disconnect power and lock out the power source.
- 2) Remove the existing junction box cover and gasket.
- 3) Disconnect the motor wiring.
- 4) Remove the existing junction box base and gasket.
- 5) Install the new junction box base and gasket.
- 6) Reconnect the motor wiring.
- 7) Install the new junction box cover and gasket

IronHorse MTCP Premium Efficiency Motor Replacement Parts					
Part	Part #	Motor Frame	Motor Type	Includes	Photo
Fan	MTAP-FAN-140	143, 145	MTCP Premium Efficiency T-frame and TC-frame	fan, snap ring	
	MTAP-FAN-180	182, 184			
	MTAP-FAN-210	213, 215 (4 & 6 pole) (1200 & 1800 rpm)			
	MTAP-FAN-210-2	213, 215 (2-pole) (3600 rpm)			
	MTAP-FAN-250	254, 256 (4 & 6 pole) (1200 & 1800 rpm)			
	MTAP-FAN-250-2	254, 256 (2-pole) (3600 rpm)			
	MTAP-FAN-280	284, 286			
	MTAP-FAN-320	324, 326			
	MTAP-FAN-360	364, 365			
	MTAP-FAN-400	405			
MTAP-FAN-440	444, 445, 447				
Fan Shroud	MTAP-SHROUD-140	143, 145	MTCP Premium Efficiency T-frame and TC-frame	shroud, bolts & washers, rubber plug*  *rubber plug not required for all models	
	MTAP-SHROUD-180	182, 184			
	MTAP-SHROUD-210	213, 215			
	MTAP-SHROUD-250	254, 256			
	MTAP-SHROUD-280	284, 286			
	MTAP-SHROUD-320	324, 326			
	MTAP-SHROUD-360	364, 365			
	MTAP-SHROUD-400	405			
MTAP-SHROUD-440	444, 445, 447				
Junction Box	MTAP-JBOX-140	143, 145	MTCP Premium Efficiency T-frame and TC-frame	gasketed base & cover assembly, base gasket, base bolts	
	MTAP-JBOX-180	182, 184			
	MTAP-JBOX-210	213, 215			
	MTAP-JBOX-250	254, 256			
	MTAP-JBOX-280	284, 286			
	MTAP-JBOX-320	324, 326			
	MTAP-JBOX-360	364, 365			
	MTAP-JBOX-400	405			
MTAP-JBOX-440	444, 445, 447				

Fastener Information			
Part	Fan Shroud MTAP-SHROUD-xxx	Junction Box MTAP-JBOX-xxx	
		Cover	Base
MTAP-xxxx-140	(3) M5 x 0.8 x 10 mm	(4) M5 x 0.8 x 16 mm	(4) M5 x 0.8 x 13 mm
MTAP-xxxx-180			(4) M5 x 0.8 x 16 mm
MTAP-xxxx-210	(3) M6 x 1 x 9mm	(4) M6 x 1 x 16 mm	(4) M6 x 1 x 16 mm
MTAP-xxxx-250			(4) M6 x 1 x 16 mm
MTAP-xxxx-280	(4) M6 x 1 x 12 mm	(4) M8 x 1.25 x 18 mm	(4) M8 x 1.25 x 18 mm
MTAP-xxxx-320			(4) M8 x 1.25 x 18 mm
MTAP-xxxx-360	(4) M6 x 1 x 9mm	(4) M8 x 1.25 x 21 mm	(4) M8 x 1.25 x 21 mm
MTAP-xxxx-400			(4) M8 x 1.25 x 21 mm
MTAP-xxxx-440	(4) M8 x 1.25 x 12 mm	(4) M8 x 1.25 x 25 mm	(4) M8 x 1.25 x 25 mm





**IRONHORSE**

