



LRE/LRD model

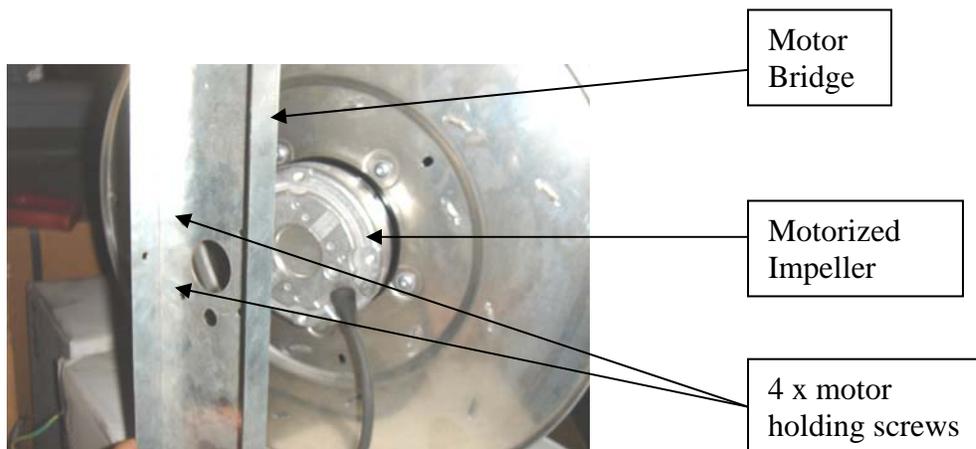
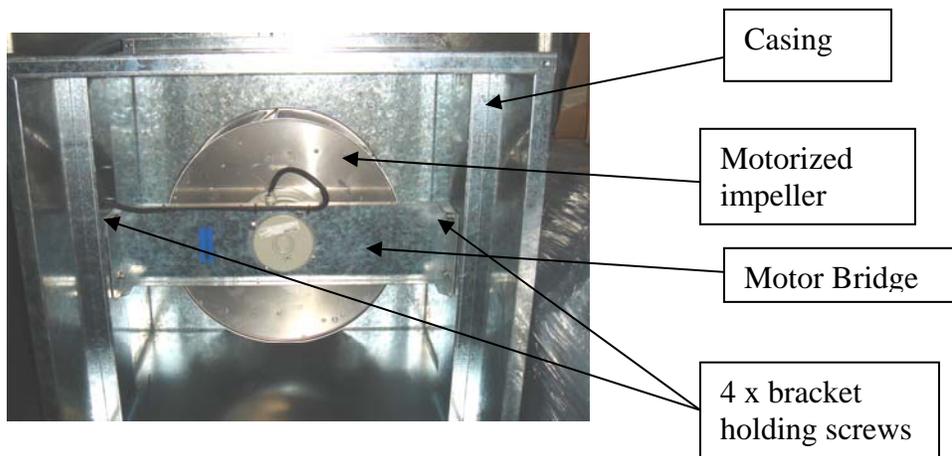
1) Disassembly of the motorized impeller

- a) Dismantle the holding screws of the motor bridge from the casing
- b) Remove the motorized impeller together with the motor bridge
- c) Remove the holding screws of the motor
- d) Replace the motorized impeller where necessary

2) Assembly of the motorized impeller

- a) Tighten the motorized impeller to the motor bridge
- b) Assemble the bridge together with the motorized impeller to the casing
- c) Adjust the bridge and make sure impeller is not rubbing the inlet cone

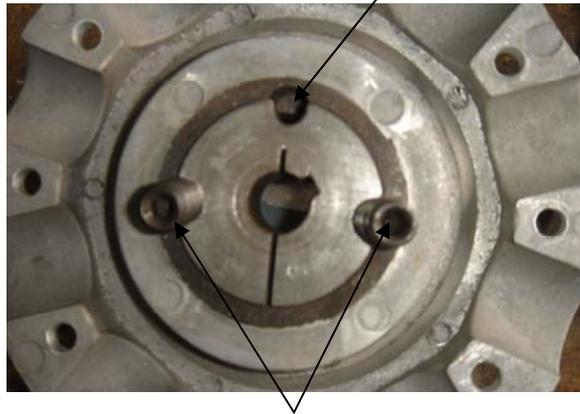
LDE/D model (External Rotor Motorised Impeller)



Dismantle the motorised impeller from the bracket

Dismantling of Taper Lock Bush (Induction Motor Type)

Jacking holes for removing bush



Locking screws

Removal of taper lock bush

- Using a hexagon allen key, slacken and remove both the locking set screws
- Use one of the set screw and screw to the jacking holes
- Tighten screws until taper lock bush is loosened in hub and free on the shaft.
- Remove the bush and then the impeller

Installing the taper lock bush

- Clean, polish and grease the motor shaft before putting on the key
- Put the impeller on the motor shaft
- Insert the taper lock bush and tap lightly till it seat squarely on the shaft and impeller hub
- Align the holes of the screw and tighten the two locking screws till the hub is in firm position

3) What to do if fan has abnormal normal noise and vibration

- a) Stop fan immediately
- b) Check that fan rotation is correct
- c) Check that fan blades are not touching casing or inlet cone
- d) Check that no foreign materials are stuck at the fan blades
- e) Check that fan blades are not broken
- f) Check that all fasteners are tightly secured
- g) Check that fan is isolated completely
- h) Check that inlet and outlet air passage is not blocked

If non of the above,

- ❖ Fan balancing is required
- ❖ Motor bearing may be faulty
- ❖ Fan may be running in unstable stage