

# Long-Term Starter Storage Instructions

All starter cabinets should be stored indoors in a clean, dry environment. Precaution must be taken to keep the starter protected from extreme temperature changes. The ambient room temperature should be between 50°F and 100°F. Care must be taken to make sure that condensation does not form inside the starter cabinet, which is an extreme safety hazard for electrical equipment.

The panel enclosure must be covered at all times prior to installation. This will prevent contamination from moisture, dust, or falling objects. It is recommended that the starter be wrapped in plastic during storage. The storage plastic must be ventilated so moisture cannot form on the inside of the plastic.

The starter cabinet must remain upright at all times. Caution must be used when moving the panel, as it is top heavy. If the cabinet tips or falls over, it will likely sustain extensive damage to its internal components. Open the panel immediately to survey any suspected damage. Report all damage to the factory immediately. Please refer to pages 1 and 2 of the RAM Starter Manual for further information on storage, handling, and installation.

Please call the factory to discuss any questions.

# Long-Term Motor Storage Instructions

## Location

All motors should be stored in a clean, dry environment. Precaution must be taken to keep the motor protected from moisture and extreme temperature changes. It is recommended to house the motor in a heated building above 50°F ambient. If a building is not available, or missing a heat source, auxiliary heat must be provided to keep the motor dry. We recommend either strip heaters, air driers, or an incandescent light source.

If the motor must be kept outside, it is mandatory to keep the unit covered at all times. Strip heaters must be applied to keep the windings dry. The storage plastic must be ventilated so moisture cannot form on the inside of the plastic. Pictures should be taken to demonstrate the motors are protected from environmental constraints. Please contact the factory to discuss storage questions.

## Maintenance

While motors are in storage, it is important to follow the precautions listed below. These are imperative in order to ensure the motor will perform properly once installed.

Routine checks should be made of the storage area. Care must be given to make sure the environment is dry and the motor is covered. Storage personnel should visually check for condensation, rust, dirt, or any other signs of contamination. Any problems must be noted on the maintenance log.

The motor shaft must be turned on a regular basis. This will prevent flat spots on the bearings and aid in preventing grease buildup. It is recommended to spin the shaft 1/4 turn once a month. On motors supplied with a shaft locking plate, rotation is not necessary.

In addition to environment and shaft inspection, it is important to check for insulation breakdown. The motor windings should be megger tested on a regular basis (once per month or prior to startup) and noted on the maintenance log. If the meg-ohm readings drop drastically, it is likely a sign of moisture and/or contamination. Proper inspection and correction of the storage area should be completed and the motor dried out before more readings are taken. Please call the factory to discuss any problems or questions.

## Lubrication

All motors are shipped from the factory with pre-lubricated bearings to sustain the motor over the short term. Care must be taken to keep the bearings dry and moisture free. Water and/or condensation will cause the bearing cage to rust and cause premature failure. Any failure due to water or rust is not covered under warranty.

Do not mix the greases of different brands. Only use #2 polyurea-based greases, such as the brand recommended below:

Mobil/Exxon Polyrex EM

Please consult the factory with any questions on motor lubrication.



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