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DME'S TIPS FOR HANDLING

Quartz Halogen Lamps, Bulbs & Globes

When Removing Quartz Halogen Lamps, Bulbs or Globes

Tip 1 - Make sure to turn off the Microfilm / Microfiche Reader or Reader Printer or Scanner and unplug it from its electrical source before you start the replacement of the Quartz Halogen Lamp, Bulb or Globe.

Tip 2 - Do not immediately remove the Quartz Halogen Lamp, Bulb or Globe after use: **allow a full ten minutes** for it to cool before removing it.

To be sure, quickly feel the bulb first to make sure that it is cool enough and safe for removal.

Tip 3 - When your Quartz Halogen Lamp, Bulb or Globe housing uses a heat guard or other protective covering, carefully detach it first, then set aside later for reattachment.

When Installing a New Quartz Halogen Lamp, Bulb or Globe

Tip 4 - Follow the manufacturer's recommendations on the type of Quartz Halogen Lamps, Bulbs or Globes Voltage & Wattage rating for use in your Microfilm / Microfiche Reader or Reader Printer or Scanner. **The correct Voltage & Wattage e.g. 13.8 Volts - 28 Watts as per the Manufactures Label.**

Tip 5 - Use clean cloth gloves or a clean paper towel or a clean cloth when handling a new Quartz Halogen Lamp, Bulb or Globe.

Our hands contain oils that can be transferred to the bulb surfaces which when heated produces a dark stain.

Tip 6 - When installing new Quartz Halogen Lamps, Bulbs or Globes, make sure they are at room temperature.

There is a risk of explosion once the switch is turned on, if you install a Quartz Halogen Lamp, Bulb or Globe that is too cold.

When Discarding Old Quartz Halogen Lamps, Bulbs or Globes

Tip 7 - When disposing of an old Quartz Halogen Lamp, Bulb or Globe, wrap it first in thick paper to prevent injury or cuts in case the Quartz Halogen Lamp, Bulb or Globe breaks.

When Checking the New Quartz Halogen Lamp, Bulb or Globe

Tip 8 - Once the new Quartz Halogen Lamp, Bulb or Globe is firmly in place, re-plug the Microfilm / Microfiche Reader or Reader Printer or Scanner to its electrical source then turn on the switch to make sure that the replacement Quartz Halogen Lamp, Bulb or Globe is working.

NOTE: In some instances it may be that the [Lamp Base](#) & not the [Quartz Halogen Lamp, Bulb or Globe](#) that is faulty.

Quartz Halogen Lamps, Bulbs or Globes are generally long lasting & in most instances meet & even exceed the Manufacturers advised Average Life Expectancy - LE.

However, care is needed when removing and replacing old Quartz Halogen Lamps, Bulbs or Globes since incorrect handling may cause serious injuries.

Handling precautions

Any surface contamination, notably the oil from human fingers, can damage the Quartz Halogen Lamps, Bulbs or Globes [quartz envelope](#) when it is heated.

Contaminants will create a hot spot on the Quartz Halogen Lamp, Bulb or Globes surface when the Quartz Halogen Lamp, Bulb or Globe is turned on.

This extreme, localized heat causes the quartz of the Quartz Halogen Lamp, Bulb or Globe to change from its [vitreous](#) form into a weaker, [crystalline](#) form that leaks gas.

This weakening may also cause the Quartz Halogen Lamp, Bulb or Globe to form a bubble, weakening it and leading to its explosion.

Consequently, manufacturers recommend that Quartz Halogen Lamp, Bulb or Globes should be handled without touching the clear [quartz envelope](#), either by using one of the following:

1. Clean cloth gloves or
2. A clean paper towel or
3. A clean cloth or carefully holding the porcelain base.

If the Quartz Halogen Lamp, Bulb or Globe envelope is contaminated in any way, it must be thoroughly cleaned with [denatured alcohol](#) also called [methyalted spirits](#) or [spiritus](#) and dried thoroughly before use.