

4398/D/H

Protect and Preserve



Aircraft engines, transmissions, main rotor masts, rotor blades and other components are arriving at overhaul facilities rusted and corroded—candidates for the scrap heap!

UH-1 main rotor masts, for example, are really taking a beating during shipment.



If you can't get a reusable metal shipping container, NSN 8145-00-083-8335, for the mast, use a wooden container. Chapter 3 in TM 38-230-2 shows how to make containers.

REUSABLE METAL SHIPPING CONTAINERS ARE THE PREFERRED METHOD OF PROTECTING COMPONENTS DURING TRANSIT!

Before you pack the mast, per Para 6-140 of TM 55-1520-210-23-1, remember that shipping and temporary storage time means any unprotected bare metal will rust and corrode. The mast can be refinished only once to remove damage. After that, it has to be scrapped.

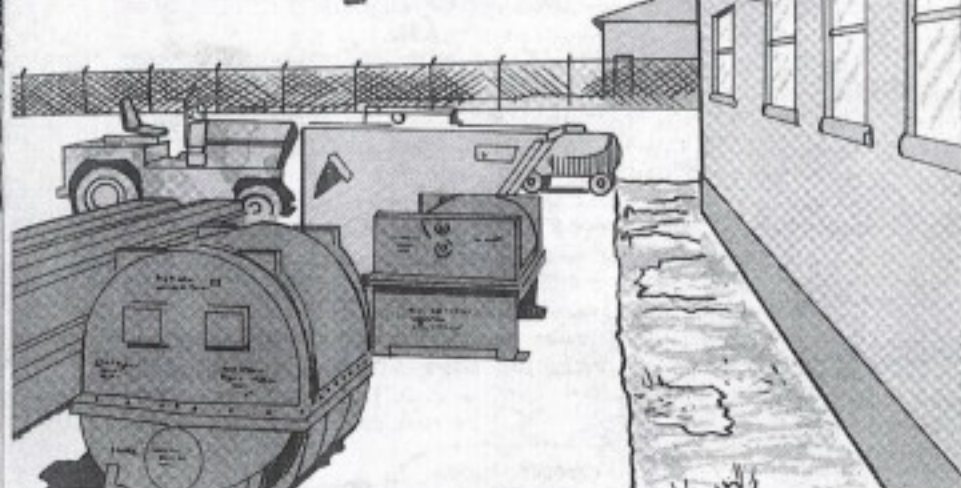
So clean with drycleaning solvent, P-D-680. Use dry, filtered, low-pressure air to remove the solvent from holes and crevices.

Next, coat the entire mast and bearings with a cold application of corrosion preventive compound, NSN 8030-00-231-2345.

Wrap the mast with greaseproof flexible barrier material, NSN 8135-00-224-8885, and secure it with pressure-sensitive tape, NSN 7510-00-663-0199. The wrap will prevent the preservative from rubbing off.

Be sure you include the DA Form

with Proper Packing!



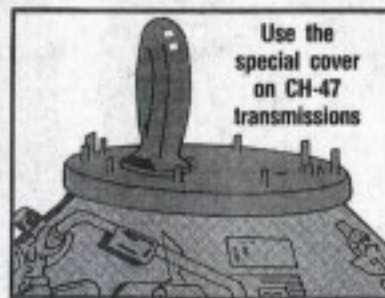
1577 repairable tag, DA Form 2410 component record and other records in the container. Use a greaseproof envelope for the paperwork.

To protect the mast from damage during shipping, use cellulose cushioning material, NSN 8135-00-183-8814, and make sure the mast is held firmly in the container.

After you close the container, eye-ball the markings to see that they agree with what you're shipping. Then stencil the DA Form 2410 control number on the container.

Protect Other Components

When packing an aircraft engine in a metal shipping container, use protective covers at the engine inlet and outlet. Those engine containers are moisture



controlled. To keep them that way, be sure you add the right amount of desiccant, as explained on pages 20-22 of MIL-P-116 of MIL-P-116, NSN 6850-00-264-6571 gets a drum of 300 8-unit bags; -6572 gets 150 bags with 16 units each.

When shipping CH-47 transmissions, use the special protective cover. The cover keeps moisture out of the transmission and holds the planetary gears safely in place.