

WHEELS AND BRAKES - APPROVED REPAIRS

1. General

A. This section provides information on approved repairs to wheels, brakes and brake linings.

2. Approved Repair Methods

A. Wheels and Brakes.

- (1) Replace all worn or damaged parts.
- (2) Polish out minor nicks and scratches, using 400-grit wet or dry sandpaper.

B. Brake Linings (Airplanes 20800001 Thru 20800135 and 208B0001 Thru 208B0102).

- (1) Remove brake backplates and pressure plate. Refer to Wheels and Brakes - Maintenance Practices.
- (2) Place a backplate on a table with backplate lining side down flat. Center a 9/64-inch (or slightly smaller) punch in rolled rivet and hit punch sharply with a hammer. Punch out all rivets securing linings to pressure plate in same manner.

NOTE: A rivet setting kit, part number 199-00100, is available from the Cessna Supply Division. This kit consists of an anvil and a punch.

- (3) Clamp flat sides of anvil in a vise.
- (4) Align new lining on backplate and place rivet in one hole with rivet head in lining. Place rivet head against anvil.
- (5) Center rivet-setting punch on lips of rivet. While holding backplate down firmly against lining, hit punch with hammer to set rivet. Repeat blows on punch until lining is firmly against backplate.
- (6) Realign lining on backplate and install remaining rivet.
- (7) Install new linings on pressure plate in same manner.
- (8) Install brake backplates and pressure plate. Refer to Wheels and Brakes - Maintenance Practices.

C. Brake Linings (Airplanes 20800136 and On, 208B0103 and On, and All Spares).

- (1) Remove brake backplates and pressure plate. Refer to Wheels and Brakes - Maintenance Practices.
- (2) If composition linings are being replaced by metallic linings, drill out rivets using a 5/32 drill.
- (3) Install lining carrier pins (part number 177-00300) in backplate and pressure plate using a rivet-setting punch. Make sure pins are firmly installed.
- (4) Apply a light film of glue to the backside of each lining and allow to dry until tacky, and then snap new lining onto the carrier pins.

NOTE: The glue is used only to retain the linings in place during reassembly of brake. It will burn off at first brake application.

- (5) If metallic linings are being replaced with metallic linings, snap old lining off carrier pins, then complete Step (4).
- (6) Install brake backplate and pressure plate. Refer to Wheels and Brakes - Maintenance Practices.
- (7) Burn in new brakes. Refer to Wheels and Brakes - Maintenance Practices.