

## MOLDED BEARING SEAL AVAILABILITY FOR 6-INCH EXTERNAL WHEEL

- (3) 40-59, 40-59A, 40-75B, 40-75D, 40-75E, 40-75F, 40-75G, 40-75J, 40-75T, 40-75W, 40-76G, 40-79A, 40-84, 40-86A, 40-88C, 40-90, 40-90A, 40-90B, 40-90E, 40-90F, 40-96E, 40-96Z, 40-97A, 40-97D, 40-97E, 40-98A, 40-98F, 40-98H, 40-113, 40-113B, 40-113C, 40-117A, 40-120, 40-120C, 40-128E, 40-142, 40-143, 40-163, 40-406

Note: All listed wheel assemblies are main wheels except for 40-76G, 40-113B, 40-117A.

Refer to Figure 5 and replace the inboard and outboard felt seal configurations as follows.

- (a) Deflate the tire.
- (b) All except 40-76G, 40-113B, 40-117A: Loosen the back plate assembly tie bolts which fasten the back plate(s) to the brake housing. Remove the back plate(s) and the insulator shim, if so equipped.
- (c) Remove any additionally equipped components necessary to expose the axle mounting hardware such as a dust shield.
- (d) Remove and retain the axle mounting hardware and slide the wheel/tire assembly off of the axle.
- (e) Remove the snap rings from both wheel halves.
- (f) Inboard wheel half seal replacement:
  - 1 Remove the inboard wheel half felt seal components: 2X 153-00400 grease seal ring and 1X 154-00300 grease seal felt.
  - 2 Install the 154-12000 molded seal. Make sure the molded seal is installed correctly by observing "THIS SIDE OUT" in molded characters on the seal.
  - 3 Install the snap ring.
- (g) Outboard wheel half seal replacement:

**CAUTION: DO NOT DISCARD THE 153-00300 GREASE SEAL RING. IT WILL BE USED WITH THE 154-12400 MOLDED SEAL.**

- 1 Remove the outboard wheel half felt seal components: 1X 153-01500 grease seal ring and 1X 154-01300 grease seal felt. Retain the 153-00300 grease seal ring.
  - 2 Install the 154-12400 molded seal against the 153-00300 grease seal ring. Make sure the molded seal is installed correctly by observing "THIS SIDE IN" in molded characters on the seal.
  - 3 Install the snap ring.
- (h) Slide the wheel assembly onto the axle and install the axle mounting hardware accordance with the Airframe Owner's Handbook manual or wheel assembly component maintenance manual if so equipped. Make sure the inboard bearing is seated.
  - (i) All except 40-76G, 40-113B, 40-117A: Install the insulator shim, if so equipped, and fasten the back plate(s) to the brake housing by installing the tie bolts. Tighten to specifications in accordance with the brake assembly component maintenance manual or, if one does not exist, AWBCM0001, Component Maintenance Manual, External Design Wheels & Brakes.
  - (j) Install any additionally equipped components such as a dust shield.
  - (k) Inflate the tire to the service inflation pressure.

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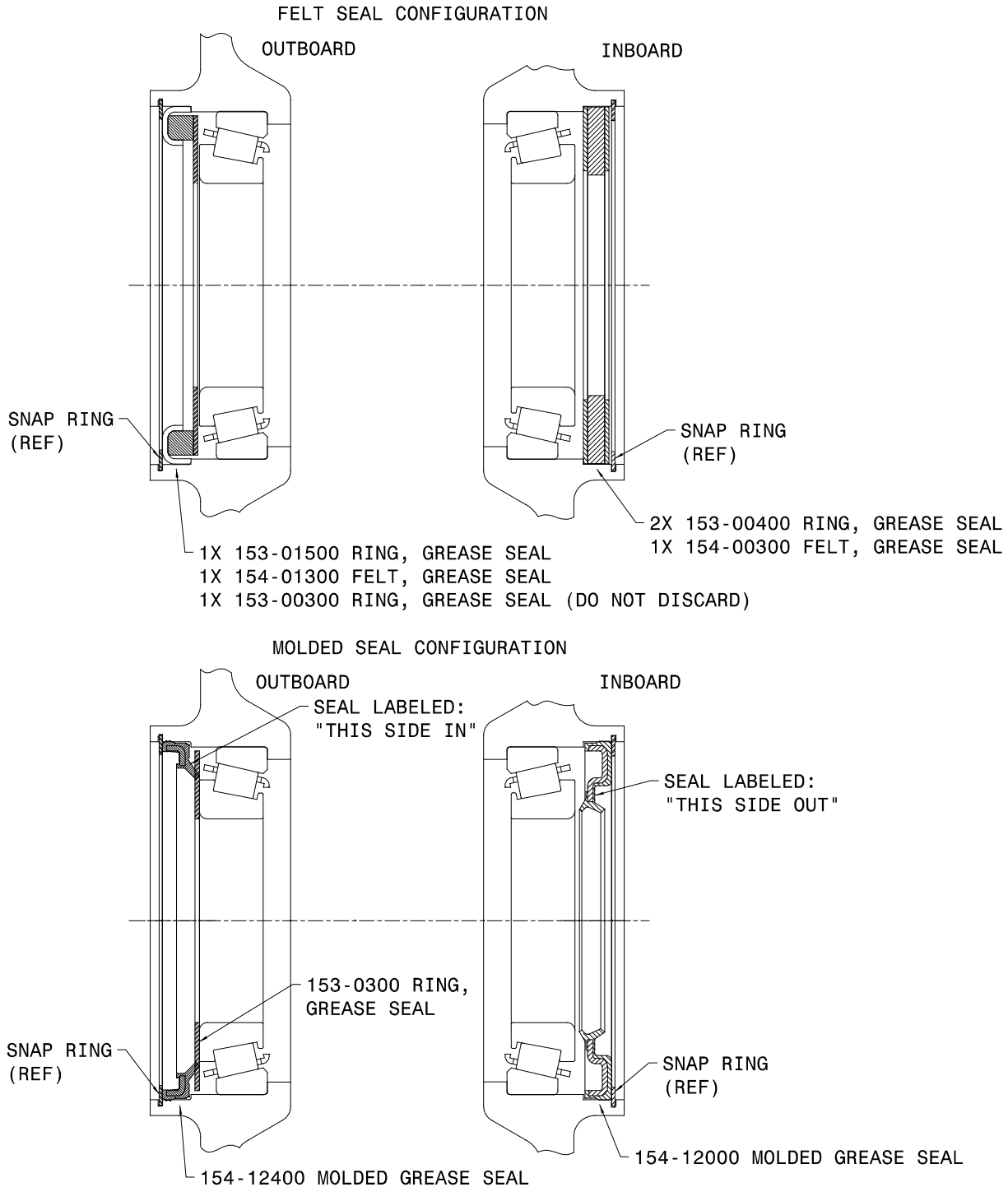


Figure 5 Felt Seal Configuration Replacement:

40-59, 40-59A, 40-75B, 40-75D, 40-75E, 40-75F, 40-75G, 40-75J, 40-75T, 40-75W, 40-76G,  
 40-79A, 40-84, 40-86A, 40-88C, 40-90, 40-90A, 40-90B, 40-90E, 40-90F, 40-96E, 40-96Z, 40-97A, 40-97D,  
 40-97E, 40-98A, 40-98F, 40-98H, 40-113, 40-113B, 40-113C, **40-117A**, 40-120, 40-120C, 40-128E,  
 40-142, 40-143, 40-163, 40-406