

# Cleveland

Wheels & Brakes

## Parker Hannifin Corporation

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# SERVICE BULLETIN

## BRAKE ASSEMBLY - SOCATA - REMOVE / REPLACE TIE BOLTS & WASHERS

- EFFECTIVITY:** All Parker Hannifin P/N 30-191 Brake Assemblies manufactured 12-96 and before. Brake Assemblies manufactured 01-97 and after will be factory equipped with the 095-14600 washers.
- APPLICABILITY:** Socata Model TBM 700, all Serial Numbers.
- REASON:** To assure the integrity of the back plate tie bolt preload. A condition of accumulated tolerances has been observed, which permits the tie bolts to bottom out when tightened. This may result in reduced back plate to cylinder clamping force. If left unattended, this condition could cause uneven lining wear.
- DESCRIPTION:** This Service Bulletin provides the necessary instructions to remove tie bolts, P/N 103-16900 (MS21250-04004), and replace Washers, P/N 095-14300 (MS20002C4) with P/N 095-14600 (MS14155-4). Washer P/N 095-14600 is thicker than P/N 095-14300, thus preventing the "bottoming out" condition as previously described.
- COMPLIANCE:** Mandatory - Perform at next overhaul.
- APPROVAL:** The design contents of this Service Bulletin Are FAA DER approved.
- WEIGHT & BALANCE:** No change.
- PUBLICATIONS:** The information contained in this Service Bulletin is to be incorporated into the Cleveland Wheels & Brakes Product Catalog and Component Maintenance Manual.
- MATERIALS:** Replacement parts may be procured locally or may be ordered from Parker Hannifin, Aircraft Wheel & Brake. Service Bulletin Kit "SB7055-1" will upgrade one aircraft (two brake assemblies) and contains the following parts:

<u>Parker Part Number</u>	<u>Description</u>	<u>Quantity</u>
095-14600	Washer, MS14155-4	20
SB7055	Service Bulletin (This Document)	1
MM40-270/30-191	Maintenance Manual	1

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- PROCEDURE:
1. Verify, per brake nameplate, that brakes are model 30-191 and that date of manufacture is 12-96 or prior.
  2. Remove each brake assembly from aircraft per Section 2.2, of the 40-270/30-191 Maintenance Manual.
  3. Remove Bolts, 103-16900 (MS21250-04004) and Washers, 095-14300 (MS20002C4) securing Torque Tube/Backplate Sub-assembly from Cylinder Sub-assembly per Section 2.2 of the 40-270/30-191 Maintenance Manual.
  4. Discard Washers, 095-14300 (MS20002C4).
  5. Install new Washers, 095-14600 (MS14155-4) onto Bolts, 103-16900 (MS21250-04004) and then re-install Torque Tube/Backplate Sub-assembly onto Cylinder Sub-assembly per Section 2.4 of the 40-270/30-191 Maintenance Manual.
  6. Re-install Brake Assembly on aircraft per Section 2.4 of the 40-270/30-191 Maintenance Manual.
  7. Make a Log Book entry referencing this activity, and return aircraft to service.