

SERVICE BULLETIN

MAIN WHEEL ASSEMBLY - 40-172 SUPERCEDED BY 40-289 - PRODUCT IMPROVEMENT

- EFFECTIVITY:** Parker P/N 40-172 Main Wheel Assembly furnished as a part of the 199-110 & 199-110A Conversion Kit shipped from Parker prior to May 2, 1994.
- APPLICABILITY:** All Beech Models F90, F99, 100 and 200 equipped with Parker 199-110 & 199-110A Conversion Kits per SA646GL, SA650GL and SA890GL. (The 199-110A Kit combined both the 199-110 Conversion Kit and the 199-168 De-ice Manifold Kit and was assigned for ordering convenience only and may be referenced in the aircraft maintenance log books in lieu of P/N 199-110.)
- REASON:** Product improvement - The 40-172 Main Wheel Assembly is being replaced by the 40-289 Main Wheel Assembly to provide the customer with an improved product that will provide enhanced service life.
- DESCRIPTION:** This document provides the necessary part numbers and instructions to make revised weight and balance entries when replacement wheels are required. Although the 40-172 Wheel and the 40-289 Wheel may appear identical, they are not. Due to differences in the bearing cups and cones, bolts, nuts, and washers, O-ring registers, and material, interchangeability is not allowable.
- Note:** It is not permissible to utilize a 40-172 Wheel Half Subassembly with a 40-289 Wheel Half Subassembly. It is also not permissible to utilize 40-172 bearing cups, bearing cones, bolts, nuts, or washers in a 40-289 Wheel Assembly and vice versa.
- If a nameplate is removed, a 40-172 Wheel can be distinguished from a 40-289 wheel by reading the heat number on the flange of both wheel halves. The 40-289 wheel will have a three digit heat number, while the 40-172 wheel will have a four digit heat number. The 40-289 Wheel Assembly will be included in all 199-110 & 199-110A kits shipped from Parker beginning May 2, 1994.
- COMPLIANCE:** Recommended - When existing parts have reached their service life, order and install the replacement 40-289 Wheel(s) on either an individual or on a per shipset basis.
- APPROVAL:** The technical data contents of this service bulletin are FAA approved.
- WEIGHT & BALANCE:** The 40-289 Main Wheel Assembly weighs 19.3 lbs. each. The 40-172 Main Wheel Assembly weighs 16.3 lbs. each. There is a three pound per wheel assembly increase (twelve pounds per shipset). Please make the appropriate weight and balance log book entries.
- PUBLICATIONS:** 40-289 information will be incorporated into the Parker Product Catalog at its next revision.