

Cleveland

Wheels & Brakes

Parker Hannifin Corporation

Aircraft Wheel & Brake
1160 Center Road, P.O. Box 158
Avon, Ohio 44011 USA
1-800-BRAKING (272-5464)
216-937-1272 • FAX 216-937-5409

PRODUCT REFERENCE MEMO

AVAILABILITY OF HEAVY DUTY BOLTS AND NUTS FOR CLEVELAND WHEEL MODELS 40-127, 40-137 AND 40-174

PURPOSE: Wheel Models 40-127, 40-137 and 40-174 have been changed as of May 1, 1990 to use Heavy Duty MS21250-06036 bolts and NAS1804-6N nuts. This PRM provides aircraft owners a means to retrofit existing wheel to use the Heavy Duty equipment.

APPLICABILITY:

1. Grumman American Aviation Corporation Models G-21 and G-21A; those equipped with Cleveland Main Wheel 40-127 (per STC SA99GL approved Main Wheel & Brake Conversion).
2. Gulfstream American Model G-73 (Mallard); those equipped with Cleveland Main Wheel 40-137 (per STC SA412GL approved Main Wheel & Brake Conversion).
3. Gulfstream American Model G-73 (including turbine conversions); those models equipped with Cleveland Main Wheel 40-174 (per STC SA651GL approved Main Wheel & Brake Conversion).

EFFECTIVITY: May, 1990 and after.

COMPLIANCE: Optional. At owner's discretion.

MATERIALS

REQUIRED: The following will retrofit one (1) wheel:

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
103-32400	Bolt (MS21250-06036)	10
094-15800	Nut (NAS1804-6N)	10
095-03100	Washer-C'Sunk (MS20002C6)	20

PROCEDURE:

1. Remove and disassemble main wheel per applicable maintenance manual instructions.
2. Replace existing wheel bolts, nuts and washers with new materials as listed above. Reassemble wheel as per maintenance manual instructions; lubtork bolts at 300 in-lbs.

NOTE: One (1) washer under each bolt head and nut, countersunk side of washer to face bolt head or nut (as applicable).

3. Reinstall wheel on aircraft per applicable manual.
4. Make a logbook entry referencing this activity and return aircraft to service.