

B1. Special Tools

Item	Part Number	Description
Rivet Set Kit	199-1	Consists of Punch & Anvil
Parker O-Ring Extractor Kit	199-18	Consists of Multi-hook, Multi-ramp & Case
Brake Line Bleeder	087-00500	The brake line bleeder can be used to service all Cleveland Products hydraulic brake assemblies or any other brake assembly utilizing the 079-00300 (FC-6446) Bleeder Screw.
Brake Lining Rivet Tool Kit	199-579	Consists of a tool frame, anvil, set, punch, and tool bag. It is for use with P/N's 105-00200 (5/32" rivets) and 177-00300 (5/32" pins) on external caliper type brake assemblies.

B2. Lubricants For Elastomeric Compounds

Pneumatic Applications

Grease per MIL-G-4343:

Royco 43 – Royal Lubricants Co., Inc., East Hanover, NJ

Aeroshell 43 – Royal Lubricants Co., Inc., East Hanover, NJ

Cosmolube 615 – Houghton International, Inc., Fogelsville, PA

Other:

55 O-Ring Lubricant – Dow Corning Corp., Midland, MI

Hydraulic Applications – Use fluids compatible with the system

MIL-H-5606 / MIL-H-83282 (Red Oils)

Skydrol – Only compatible with itself.

B3. LubricantsWheel Bearing Grease – [Refer to Section 300 Off-Aircraft Maintenance, paragraph 3.A. Bearing Grease](#)

MIL-PRF-81322, Grade 2 or DOD-G-24508A

(Aeroshell Grease 22) Shell Oil Company, Metairie, LA

Mobil Aviation Grease SHC 100

ExxonMobil Oil Corp., Beaumont, TX

HCF Grease P/N 605 (Amphibious)

BG Products, Wichita, KS

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B3. Lubricants (Cont'd)

Bolts/Nuts Antiseize -- Only use antiseize specified for your assembly
per SAE-AMS2518 (MIL-T-5544)
 Armite Laboratories, Costa Mesa, CA
 Royco 44 – Royal Lubricant, East Hanover, NJ

per MIL-PRF-83483
 Moly-50 P/N 51094 – Fel-Pro Chemical Products L.P., Skokie, IL

Pipe Threads (Brake Cylinder Inlet Fittings) - Apply to First 3 Threads
 Lubon #404 - Oil Center Research, Lafayette, LA

B4. Surface Repair

Aluminum - Conversion Coating per MIL-C-5541, Class 1A, (Alodine)

Magnesium - Surface Pretreatment per AMS-M-3171 (MIL-M-3171)
 Type III (Dip), Type VI (Brush On), or Type VIII (Dip)
 IRIDITE 15, P/N of MacDermid, Inc., Waterbury, CT (800) 325-4158.
 Use instructions furnished by Mfr. for AZ81 & AZ91 Magnesiums.

B5. Primers and Paints

Columbia Paint Corporation (Huntington WV), phone: 304-529-3237

- Gray Primer – P/N 18-017A
- Dark Gray Primer, for use on brake discs only – P/N 12-231A
- White Paint – P/N 524 Gloss White 11-358A
- Silver Paint – P/N 524 Aluminum 17-250A

ZRC Products (Quincy, MA), phone: 1-800-831-3275

- ZRC Galvilite Cold Galvanizing Compound (per MIL-P-26915A) – P/N 11011-10014

NOTE: Cleveland Wheels & Brakes uses low volatile organic compounds (low VOC), compliant with Ohio EPA regulations. Substitution of products is permissible, provided an equivalent level of protection is produced. Consult EPA regulations applicable to your locality prior to using substitute products.

B6. Chemical Stripping Agents

For Magnesium alloys AZ81 and AZ91
Turco Products (Carson, CA) www.hstna.com/turco/aviation.cfm

- Spray or brush on application:
 Water Based Environmentally Advantaged Paint Remover
 P/N T-6813 or T-6840S
- Tank type stripping application:
 Diphase Hot Tank Paint Remover
 P/N T-5668

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