

REPAIR AND OVERHAUL INSTRUCTIONS

(REPAIR AND OVERHAUL CONTRACTORS AND REPAIR DEPOTS ONLY)

GROUND HANDLING EQUIPMENT

(This EO replaces EO 65A-1-3 dated 14 Apr 58)

GENERAL

1 The following instructions apply to all jacks and hydraulic platforms (rams and pumps):

NOTE

Where any reference is made to hydraulic fluid to Specification CGSB 3-GP-38, RCAF Ref. 34A/150, this is to be removed or changed to read "Hydraulic Fluid Specification CGSB 3-GP-26a, RCAF Ref. 34A/100".

- (a) Equipment that is to cost more than 60% of its actual value to repair is to be placed to disposal.
- (b) All equipment shall have a nameplate to RCAF Drawing 22368 permanently attached.
- (c) All equipment at RD's and Contractors shall be cleaned and painted to RCAF Proc. 41-2 as applicable.
- (d) At RCAF Units, cleaning and painting shall be in accordance with EO 65A-1-3A.

GROUND HANDLING EQUIPMENT

2 Ground handling equipment shall be painted in accordance with specification described hereunder:

- (a) Exteriors - CGSB Spec. 1-GP-12a Yellow 5-2.
- (b) Interiors - CGSB Spec. 1-GP-12a Grey 1-7.

SHOP EQUIPMENT

3 Shop equipment shall be painted in accordance with specification described hereunder:

- (a) Exteriors - CGSB Spec. 1-GP-12a Grey 1-10.
- (b) Markings - CGSB 1-GP-12a Black 10-1.
- (c) Marking - CGSB 1-GP-12a White 10-2.
- (d) Markings - CGSB 1-GP-12a Red 9-3.
- (e) Fuel Filler Caps - CGSB 1-GP-12a Red 9-3.
- (f) Oil Filler Caps - CGSB 1-GP-12a Yellow 5-2.
- (g) Water and Coolant - CGSB 1-GP-12a White 10-2.

PREPARATION FOR SHIPMENT

4 All jacks, hydraulic test stands, high pressure pumps, hydraulic servicing units etc. using hydraulic fluid specification CGSB 3-GP-26a, after overhaul shall be flushed with oil, preservative hydraulic system to military specification MIL-O-6083 and then drained. The remaining oil shall act as an inhibitor. The unit shall be tagged as follows:

- (a) All engines shall be preserved as specified in Spec. MIL-P-10062.
- (b) All compressors shall be preserved as specified in Spec. MIL-P-3600.
- (c) All vents and openings of the units shall be covered with a greaseproof barrier paper.
- (d) All pneumatic tires shall be inflated from 1/3 to 2/3 of operating pressures.
- (e) All hoses and electrical cables shall be coiled to the minimum safe diameter and securely bound in three places with cotton tape. The bound coils shall be securely fastened to the unit within the moisture impervious barrier.

(f) Draw off tow bars may be detached and strapped to the unit.

(g) All tripod jacks shall have the legs folded against the cylinder, and the complete jack shall be crated in a full sided box.

(h) All flat jacks are to be crated in full sided boxes.

MAINTENANCE PLATFORM 3 TO 10 FEET 4G/649

5 The following instructions are to be carried out:

(a) All unserviceable casters are to be replaced with Bassick caster Part B8HC3R-2-SL4.

(b) Truck locks are to be deleted.

(c) 4G/649 platforms having all casters are to be modified with the back casters being replaced by wheels and hubs to MIL-W-8005 (see RCAF Drawings 600449).

(d) Any replacements of wheels and hubs are to be to MIL-W-8005 (see RCAF Drawings).

(e) The stairs and top platform surfaces if not already made to expanded metal are to be changed.

4G/1596 MAINTENANCE PLATFORM 3 TO 7 FEET. 4G/2614 MAINTENANCE PLATFORMS 7 TO 12 FEET

6 The following instructions are to be carried out:

(a) Shall have a 3/8 inch base plate welded to 1/8 inch base plate (if not already embodied).

(b) All unserviceable rigid casters or the caster furthest from the ladder are to be replaced with a swivel Bassick caster Part B8HC3R-2-SL4.

(c) All unserviceable swivel casters or the casters closest to the ladder end are to be

replaced with a swivel and lock caster, Bassick Part B8HC3R-2-SL4.

(d) The original pumps fitted to some 4G/1596 platforms are to be removed and scrapped and replaced by a Black Hawk model only.

(e) and pumps on both platforms are to be replaced by a Black Hawk model only, 65A-65CD-2.

4G/2224 TENSIO METER, DIAL INDICATING 10 TO 200 POUNDS. 4G/2227 TENSIO METER, DIAL INDICATING 150 TO 450 POUNDS.

7 The contractor is to ensure that the serial number of the calibrations bar and that of the tensiometer are the same.

8 Any instruction sheets containing pertinent information on the adjustment and use of the tensiometer shall be furnished with each instrument.

SPECIAL INSTRUCTIONS FOR SPECIFIC ITEMS

4G/1578 AIR COMPRESSOR GAS OPERATED
4G/1579 AIR COMPRESSOR ELECTRIC

9 All compressors shall have the following additions:

(a) Each 2 RCAF Ref. 4G/2300 air dryer conforming to MIL-C-9059 shall be fitted to the outlet side of the unit. Additional information may be obtained from MIL-C-9002, specification for compressor, reciprocating, power driven, 15 CFM, 3500 psi. An instruction plate for changing cartridges shall be attached in an accessible position on one of the cartridge holders. The air dryers or cartridge holders shall be numbered #1 (the holder following the receiver) and #2 (outlet cartridge holder). Instructions for changing the cartridges shall be as follows:

(1) Use oxygen purifier cartridge, MIL-C-4952.

(2) Change cartridges at intervals. Record time and date of change as indicated:

Ambient Temp. Range (F°)	Total Hours Operating Between Changes
-65 to 70	20
70 to 100	10
100 to 130	5

Time and date changed.

(3) Change cartridges as follows:

- a. Discard cartridge #1 (inlet) holder.
- b. Transfer cartridge from #2 (outlet) holder to #1 holder.

c. Place fresh cartridge in #2 holder.

(4) Replace seals with "O" rings when necessary.

(5) Dehydrator performance and operating procedures may be checked by weighing cartridges before and after specified periods of operation. The measured increased weight for the #1 cartridge should be 1/10 to 1/2 pound for the #2 cartridge 0 to 1/10 pound.

(6) A filter assembly with a 10 micron filter element in accordance with AN6235 shall be provided immediately after the purifier cylinders.

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c. Place fresh cartridge in #2 holder.

(f) Replace seals with "O" rings when necessary.

(g) Dehydrator performance and operating procedures may be checked by weighing cartridges before and after specified periods of operation. The measured increased weight for the #1 cartridge should be 1.10 to 1.15 pounds for the #2 cartridge 0 to 1.10 pounds.

(h) A filter assembly with a 10 micron filter element in accordance with AN635 shall be provided immediately after the purifier cylinders.

(2) Change cartridges at intervals. Record time and date of change as indicated:

Ambient Temp. Range Total Hours Operating Between Changes (F°)

-65 to 70	20
70 to 100	10
100 to 130	5

Time and date changed.

(3) Change cartridges as follows:

- a. Discard cartridge #1 (inlet) holder.
- b. Transfer cartridge from #2 (outlet) holder to #1 holder.

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AMC/SCG/16