

FIX-N-FAX #69

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

No. 69

Date: June 1978

Revised: May 1979

Revised: February 1986

Self-Contained Breathing Apparatus Retrofit Storage Options, Engine Models #1 and #5 (Options #1 and #2)

OPTION #1

The right rear facing compartment may be changed from back pump and chock block mounting to a closed storage area for the SCBA. The work required will necessitate a shop with knowledge of working heavy sheet metal, usually a truck repair or fire apparatus repair facility. The work must be of high quality in order that the resulting storage area be weather and dust tight. Some year models of engines will vary slightly and each will have to be worked out individually. The basic requirements are:

MATERIALS REQUIRED FOR EACH ENGINE

1. Two spring clip breathing apparatus holders with retaining straps, Ziomatic Model U-45 FNH or equal.
2. Two mask storage pouches, vinyl material, made up by local upholstery shop.
3. Sheet metal, hinges, latches, weather-strip, etc. as needed for each individual installation.

Compartment Modifications:

1. Remove chock block holder and other brackets that are in the compartment.
2. Fabricate suitable cover for chock block opening in side panel.
3. Fabricate suitable doors with seals and hinges to effectively seal out moisture and dust.
4. Refinish and paint as necessary for each installation.
5. Install brackets to hold bottles in proper position for easy removal.

6. Have mask pouches fabricated and attach one to each door in a position that will not interfere with the stored breathing apparatus as the doors close.
7. Attach straps to brackets to hold regulators against bottles to prevent damage from contact with bottles during transit.
8. Relocate chock block to spare tire trough. Spare tire may be mounted over chock block or not carried on engine at all, depending on local preference.

OPTION #2

A prefabricated box may be purchased and mounted in the spare tire carrier area. This type of mounting employs a double roller pull-out panel for mounting the breathing apparatus. This storage method also provides for overhead donning. The spare tire area is completely taken so it cannot be carried on the engine.

MATERIALS REQUIRED FOR EACH ENGINE

1. One prefabricated breathing apparatus storage box.
2. Two mask storage pouches, vinyl material, made up by local upholstery shop.
3. Miscellaneous sheet metal and fasteners to close tire trough opening and attach box to spare tire support and deck of apparatus around spare tire opening.
4. Two mounting brackets, Ziamatic Y45 NH or equal.
5. Rubber gasket material $\frac{1}{4}$ " X 1" X 48" for insulating between bottom of box and top of deck.

Modifications required to apparatus:

1. Remove spare tire from mount and cut mounting bolt off flush with flat surface of support stand.
2. Make and fit suitable "L" brackets to attach side of box to spare tire stand.
3. Locate and drill 6 holes through the bottom of box and deck of the engine. These holes are to be $\frac{5}{16}$ " in diameter and equally spaced along each side of the bottom of the box. Be sure that adjacent valve handle is clear.
4. Fabricate suitable cover for opening on the side of the body to cover spare tire trough opening.

5. Mount the brackets and mask pouches on the pull-out panel in positions that allow operation of panel and door without interference. Due to space restrictions, it is critical that this step be done carefully.
6. Mount assembled box on engine and check for sufficient clearance for valve handle to the rear of box and auxiliary pump beside the box.

Reference Vendors:

Self-contained Breathing Apparatus Box:

Westates Truck Equipment
225 Matmor Road
Woodland CA 95695
(916) 661-0101

Breathing Mask Pouches:

Gene Spaude
701 Englewood Drive
Broderick CA
(916) 372-0233

SELF CONTAINED BREATHING APPARATUS - STORAGE OPTIONS
ENGINE MODELS #10 AND #12

Optional storage for self-contained breathing apparatus on Models #10 and #12 engines is provided in the right rear body compartment.

On early production models, it is necessary to raise the existing shelf approximately 6 inches to provide adequate height clearance as depicted below.

EARLY MODEL



CURRENT MODEL PRODUCTION



(see [FIX-N-FAX INDEX](#))