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**MODEL 12000 "MANDATORY" UPGRADE SERVICING BULLETIN  
 (W/PRICE SCHEDULE)**

Effective 1 March 2002, all Model 12000's returned to FXC Corporation, Santa Ana, California for servicing, will be automatically upgraded to the latest revision level (new production standard) Revision "J" (Juliet).

This "MANDATORY" upgrade policy addresses three (3) important factors:

- #1. FXC's ability to ensure reliability of the Model 12000 by keeping all units to the latest revision standard.
- #2. The turnaround time is 90 days. A pre-established (approximate) price for this service is published, therefore, eliminating the time consuming telephone call or coordination with individualized costing information. The total cost will be reflected on the customer's invoice.
- #3. Once to standard, a Revision "J" Model 12000 needs only be factory serviced every two (2) years.

Below is a schedule of work that will be accomplished, and approximate charges that will be incurred, to upgrade any previously manufactured Model 12000 (Revision "A, B, C, D, E, F, and G"), to the latest Revision "J".

(Effective 1 January 1999, the following base prices are charged)

REVISION	WORK THAT NEEDS TO BE ACCOMPLISHED	ESTIMATED COST
"A, B and C" upgraded to "J"	Altitude control 3-filter modification, replace rubber altitude control hose with stainless steel hose, replace power cable as required, install longer Teflon plugs, install trigger housing bushing, install lightweight aneroid and light weight lever, replace piston post, catch spring, and o-ring, functional test and calibration.	\$305.00



REVISION	WORK THAT NEEDS TO BE ACCOMPLISHED	ESTIMATED COST
"D" upgrade to "J"	Altitude control 3-filter modification, replace power cable as required, install longer Teflon plugs, install trigger housing bushing, install lightweight aneroid and lightweight lever, replace piston post, catch spring and o-ring, functional test and calibration.	\$275.00
"E, F" upgraded to "J"	Altitude control 3-filter modification, replace power cable as required, install longer Teflon plugs, install trigger housing bushing, replace the piston post, catch spring and o-ring, functional test and calibration.	\$186.00
"G" upgrade to "J"	Altitude control 3-filter modification, replace power cable as required, replace the piston post, catch spring and o-ring, functional test and calibration.	\$145.00
The 2-year service of the Model 12000 revision "J" (Juliet) will include "Function Test and Calibration" and replacement of the piston post, and o-ring. The catch spring and bumper will be replaced as required.		\$125.00

**NOTE: Additional charges for incidental parts will increase total charges as estimated above. Incidental charges can only be determined upon inspection and evaluation of the AAD on a case to case basis.**

EXPANSION - BENEFIT OF CHANGES:

1. Work effort: Altitude control 3 filter modification.  
Explanation: Maintains reliability in the event the primary filter becomes blocked or plugged by dirt.
2. Work Effort: Replace nylon coated power cable as required.  
Explanation: Prevent potential chaffing of the nylon coating after prolonged use and improper latching of the power cable.
3. Work Effort: Lightweight aneroid and lightweight lever.  
Explanation: Reduces shock subjected to the altitude control mechanism and potential inadvertent firing during main canopy deployment if too close to the present release altitude.



- 4. Work Effort: Replace rubber altitude control hose with stainless steel.  
Explanation: Increases durability and prolongs useful life. Prevents stretching which may cause inadvertent firing.

EXPANSION - BENEFIT OF CHANGES:

- 5. Work Effort: Install longer Teflon plugs.  
Explanation: Protects and maintains internal power cable and operational alignment.
- 6. Work Effort: Install trigger housing bushing.  
Explanation: Minimize wearing of the latch pivot point during cocking.

NOTES:

- #1. FXC standard policy of requiring a functional test in an altitude Test Chamber at each re-pack cycle on the reserve, or every 6-months if mounted on a main parachute assembly remains unchanged.
- #2. Above charges are FOB, Santa Ana, California.
- #3. All customers are encouraged to utilize payment by VISA or MASTER CARD. (Include expiration date)
- #4. Units sent to FXC should be forwarded freight prepaid.
- #5. An additional \$10.00 must be included with your unit to cover the costs of the return shipment within the U.S.A. (\$45.00 for International return shipments).
- #6. For International customers, send Air Parcel post only, and do not claim the value above \$250.00 U.S. for custom duties purposes. Otherwise any additional costs for custom will be added to the repair changes. International clients must use a VISA or MASTER CARD for timely handling of repairs.
- #7. Any minor incidental charges will be billed COD.
- #8. Any questions can be directed to: FXC Corporation - Marketing Department, Stephanie Pinnell or Rick Velazquez.  
Tel: (714) 556-7400 Fax: (714) 641-5093 e-mail: info@fxcguardian.com



**MODEL 12000 FACTORY SERVICING  
MODEL 12000 J REVISION**

**When a Model 12000 rev J comes into the plant for its factory servicing and inspection the following is done:**

- 1. Production visually inspects the complete outside of the Release for damage. The components consist of:**
  - a. Main body.**
  - b. Power Housing Assembly.**
  - c. Power Cable.**
  - d. AC Hose Assembly.**
  - e. AC Control Housing Assembly.**
  
- 2. Production opens the Release and visually inspects all the internal components for damage. The components consist of:**
  - a. Piston and Piston Post.**
  - b. Latch Assembly.**
  - c. Bushing in the trigger housing.**
  - d. Latch and Spring.**
  - e. Catch Spring.**
  - f. Aneroid Assembly.**
  - g. Aneroid Adjusting Screw.**
  - h. Pivot Assembly.**
  - i. Lever Assembly.**
  - j. ON-OFF Knob.**
  - k. Cover Plate.**
  - l. Modified Screw.**
  - m. Poppet Seal.**
  - n. Pointer.**
  - o. Power Cable.**
  
- 3. The Altitude Control Hose Assembly is checked for any leaks.**
  
- 4. Before Production reassembles the Trigger Housing Assembly onto the Release Body, it is checked for leaks. Q.C. inspects the complete Release inside and out, covering the same components as above.**

**NOTE:**  
The only components removed from the Trigger Housing Assembly, is the Trigger and the Latch Assembly.
  
- 5. Production reassembles the Release, calibrates it, and functional test it.**
  
- 6. Q.C. conducts Final Inspection of the Release.**
  
- 7. The Release is now ready to ship.**

**During the inspection by Production and Q.C. any part or parts found to be damaged or unsafe are replaced before step 5 above is completed. The Nameplate is a mandatory replacement component.**