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|  SERVIÇO PÚBLICO FEDERAL DEPARTAMENTO DE AVIAÇÃO CIVIL | BRAZILIAN AIRWORTHINESS DIRECTIVE | |
| | EFFECTIVE DATE 09 November 1979 | AD No.: 79-11-01 |

The following Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law NR 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 79-11-01 - LITHIUM SULFUR DIOXIDE - Amendment 1301/01-165.

Failures have been found in Lithium Sulfur Dioxide (Li SO₂) battery installed in aircraft or in on board equipment (Emergency Locator Transmitters (ELT's), slide rafts, and flash lights) causing explosion or total failure of the battery, escape of gas forming a corrosive acid, or, then, a sudden and uncontrolled activation of the Emergency Locator Transmitter (ELT), provoking interference in some on board navigational aids which can affect flight safety.

As this condition can exist or develop in other Lithium Sulfur Dioxide (Li SO₂) and Emergency Locator Transmitters (ELT's) powered by Li SO₂ batteries, this Airworthiness Directive is being issued to prescribe procedures for removal and deactivation of Li SO₂ battery installed in the aircraft or in some on board equipment powered by it, as well as the removal and deactivation of all Emergency Locator Transmitter (ELT) powered by Li SO₂ battery, as is the case of the Emergency Locator Transmitter RESCU/88L of P/N 627810-3, manufactured by "GARRET MANUFACTURING LIMITED" and installed in some EMBRAER aircraft.

Since this condition requires immediate corrective action, sufficient reason exists to issue the following Airworthiness Directive without prior notice.

As a result, the RBHA 1301/01 will be amended to add the following Airworthiness Directive:

AD NR 79-11-01 - LITHIUM SULFUR DIOXIDE (Li SO₂) BATTERIES - Amendment 1301/01-165, applicable to all Li SO₂ batteries installed in aircraft.

Compliance is required as indicated below, in the next 30 days, after the effective date of this AD.

1. Remove from the aircraft any Li So₂ battery installed in it.
2. Remove and deactivate all Emergency Locator Transmitter powered by Li So₂ battery.
3. Make the proper log book entry that this Airworthiness Directive has been complied with.

This Amendment becomes effective on November 9, 1979.

Original in Portuguese signed by:

Maj Brig do Ar - BERTHOLINO JOAQUIM GONÇALVES NETTO
Diretor

NOTE: Original AD signed and issued on 09 Nov 1979. This document was reedited in electronic format on 11 Dec 2000 and its text is identical to the original one.