



U.S. Department
of Transportation
Federal Aviation
Administration

TRANSPORT AIRPLANE DIRECTORATE
AIRCRAFT CERTIFICATION SERVICE
LOS ANGELES AIRCRAFT CERTIFICATION OFFICE
3229 EAST SPRING STREET
LONG BEACH, CALIFORNIA 90806-2425

MAY 28 1993

McDonnell Douglas Corporation
Douglas Aircraft Company
Attn: David Almodovar
Product Support, Airworthiness
Mail Code: 78-80
3855 Lakewood Boulevard
Long Beach, California 90846-0001

Reference: a. McDonnell Douglas Letter 93FAA-C1-L42-1562, dated March 4, 1993
b. McDonnell Douglas Letter 93FAA-C1-L42-1752, dated March 12, 1993
c. McDonnell Douglas Letter 93FAA-C1-L42-3183, dated May 19, 1993
d. FAA/DAC meeting May 18, 1993

Dear Mr. Almodovar:

Paint Removal by Xenon Flashlamp
Douglas Report No. 93K0296

The subject report submitted by reference a. and revised by references b. and c. has been reviewed and found acceptable for use in developing a Xenon Flashlamp technique to remove paint from an aircraft. The final procedure for the removal of paint with this technique must include, but not be limited to, detail procedures for each part of each type of airplane, training and qualification of personnel, preparation of the aircraft such as masking and protection of vital systems.

A copy of the FAA Form 8110.3 which indicates FAA acceptance of DER approved data is enclosed for your files, together with the summary of action originally submitted with your letter number 3183 and your letter number 2495 and CSD No. 5.

Sincerely,

Michael E. Neil
for Michael N. Asahara
Manager, Airframe Branch

3 Enclosures

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE McDonnell Douglas	MODEL NO. NOTED	TYPE (Airplane, Radio, Helicopter, etc.) Airplane	NAME OF APPLICANT McDonnell Douglas Corp.
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LIST OF DATA

IDENTIFICATION	TITLE
Subject	STRENGTH ANALYSIS - REPAIR: ALL, Noted, Fus. No. ALL, KENON Flash-LAMP Enhanced CO2 Paint Stripping, MDC-93K0296, Revision A. (REF: Record Summary Nos: 93-1562 & 93-1752).
Enclosure Δ	<p><i>Process Substantiation</i> Record Summary of Action for Major Repairs, dated 93-05-19 including compliance records listed therein.</p> <p>Models: DC-8, DC-9 (MD-80), DC-10, MD-11, MD-88, MD-90</p>

Mark up by MEO

FEDERAL AVIATION ADMINISTRATION
 LOS ANGELES AREA AIRCRAFT CERTIFICATION OFFICE

Date Acknowledgement/Approval: _____

Your Letter Ident: _____ Date: _____

Your 8110-3 Dated: _____

DER "Approved" Date Accepted.
 DER "Recommended Approval" Date Being Reviewed.
 DER "Recommended Approval" Date Approved.

FAA Approval(s):

Office <u>ANN122L</u>	Date <u>5/25/93</u>	Engineer <u>MEO</u>
_____	_____	_____
_____	_____	_____

PURPOSE OF DATA
 Substantiates *the Kenon Flash Lamp Enhanced CO2 Paint Stripping Process* ~~strength of the repair.~~

APPLICABLE REQUIREMENTS (List specific sections)
 FAR 25.571, 605

CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

I (We) Therefore Recommend approval of these data
 Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)
A.W. Hoggard <i>[Signature]</i>	NH-1303	Structural
H.L. Tarkanian <i>[Signature]</i> 5-19-93	NH-1003	Struct/material