

TITLE PAGE--STOCK NO. 100TP

HDD-87-34 REV. C
ROTCRAFT FLIGHT MANUAL SUPPLEMENT
FOR RAPPEL SYSTEM WITH LEFT/RIGHT
EGRESS CAPABILITIES
BELL MODEL 412/212/412EP
FEB. 9, 1995

Smead MFG. CO. HASTINGS MN - LOS ANGELES - CHICAGO
LOGAN OH - MCGREGOR TX - LOCUST GROVE

LOG OF PAGES

Original.....DEC. 10, 1987

REV. NO.	NO.	PAGES	DATE	DESCRIPTION	F.A.A. APPROVAL
A	ALL 3 of 6		09-19-85	ADDED BELL MODEL 212. CHANGED ALLOWABLE RAPPEL LOADS: WAS: 250 LBS IS: 340 LBS PLACARD: WAS: 250 LBS IS: 340 LBS	<i>James R Arnold</i>
B	6 OF 6		06-18-90	ADDED REFERENCE TO OGE CHART	<i>James R Arnold</i>
C	ALL		02-09-95	ADDED BELL MODEL 412EP	<i>James R Arnold</i>

BELL MODEL 412/212/412EP

ROTORCRAFT
FLIGHT MANUAL
SUPPLEMENT FOR
RAPPEL SYSTEM WITH LEFT/RIGHT
EGRESS CAPABILITIES

R/N _____

S/N _____

This supplement shall be attached to Model 412/212 Flight Manual when the aircraft is modified by the installation of a RAPPEL SYSTEM WITH LEFT/RIGHT EGRESS CAPABILITIES in accordance with _____

STC No. SH3886SW

The information contained herein supplements the information in the basic Flight manual. For limitations, procedures, and performance not contained in this supplement, consult the basic flight manual.

J. M. Kelly
APPROVED _____
Manager, Aircraft Certification OFFICE
Federal Aviation Administration
Department of Transportation
Southwest Region
Fort Worth, Texas 76193

DATE: FEB 02 1989

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HDD-87-34

REV. C

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GENERAL INFORMATION

The rappel kit(s) provides a means of attachment for lines which permit personnel to exit the helicopter and rappel to the ground while the helicopter is in a hover.

The rappel bar(s) are quick assembly / disassembly and quick installation to expedite mission requirement.

SECTION ILIMITATIONS

TYPE OF OPERATIONS:

NOTE: Rappel bar(s) have been installed, tested and approved for structural aspects "only", and not for external operations.

Rappel operations shall be conducted under appropriate rules for external loads.

OPTIONAL EQUIPMENT:

Fixed passenger step(s) shall not be installed concurrently with rappel kit(s).

WEIGHT / C.G. LIMITATIONS:

Actual weight change shall be determined after the rappel kit is installed and ballast readjusted to return empty weight / C.G. within allowable limits.

AIRSPEED LIMITATIONS:

VNE with hinged panels locked and open and cargo doors open is 20 KIAS.

VNE with hinged panels removed and cargo doors removed or secured open is 60 KIAS.

ALLOWABLE RAPPEL LOADS:

340 LBS

PLACARDS:

340 LBS Limit

NOTE: Placards shall be white letters on a red background and installed on each rappel bar.

BELL MODEL 412/212/412EP

RFM SUPPLEMENT

SECTION II

NORMAL PROCEDURES

No Change

BELL MODEL 412/212/412EP

RFM SUPPLEMENT

SECTION III

EMERGENCY PROCEDURES

No Change

SECTION IV

PERFORMANCE

No Change.

NOTE: REFER TO BASIC MANUAL FOR OGE HOVER
CHARTS DURING USAGE OF RAFFELL SYSTEM.

SECTION IRAPPEL SYSTEM WITH LEFT/RIGHT EGRESS CAPABILITIES

WEIGHT AND BALANCE: The following weights and locations will apply and must be computed with current helicopter weight / C.G. condition when the Rappel Bar(s) is installed.

Rappel Bar		Weight (lbs)	F.S. STA.	LAT. STA.
	Right	7.0	110	+34.3
	Left	7.0	110	-34.3

HRW/STC/264
JA

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DATA TRANSMITTAL

TO: Mr. Randy Whitlock
Project Manager, Rotorcraft
Department of Transportation
Federal Aviation Administration
Southwest Region Headquarters
Fort Worth, Texas 76193-0181

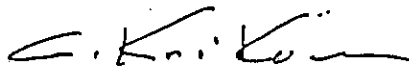
TRANSMITTAL NO: 489
DATE: FEB 09, 1995

Dear Mr. Whitlock

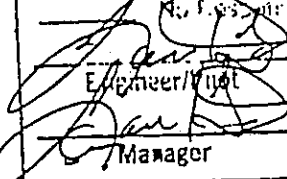
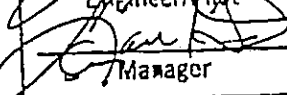
Ref. Project SA1045RC-R Rappel System.
STC SH3886SW

Enclosed in this transmittal is a revision to the Flight Manual Supplement HDD87-34 at revision C, dated Feb. 9, 1995. The purpose of the revision is to include the BELL model 412EP helicopter. The Drawing List HD412-00-0005 is updated to revision "H", dated Feb. 9, 1995.

Best Regards



Gabriel Krikorian
Mechanical Engineering Manager.

Received by FAA Rotorcraft Certification Office, ASW-170	
Action Taken:	
_____	Accepted as Approved Data
_____	Approved for Installation
_____	Continued in Flight
_____	Approved
_____	No Further Action Required
	2/13/95
Engineer/Pilot	Date
	2/13/95
Manager	Date

3
FEB 13 1995
ASW-170
Rotorcraft Certification Office