

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 205-04-116

Date 06-07-04

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DATE
REV

MODEL AFFECTED: 205

SUBJECT: CHIP DETECTOR INDICATOR, REPLACEMENT FOR SPARES

HELICOPTERS AFFECTED: Model 205 helicopters serial number 30003 through 30177, 30178 and sub

COMPLIANCE: At Customer's Option

DESCRIPTION:

Bell Helicopter has become aware that screen assy P/N 209-075-227-001 , switch P/N 2D9 and indicator P/N 2C212 are no longer available. These parts are used in the Chip Detector system. This bulletin introduces a new Indicator retrofit Kit 212-704-165-105.

APPROVAL:

The engineering design aspects of this bulletin are FAA/DER approved.

MANPOWER:

Approximately 2.0 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

MATERIALS:

Required Material:

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
212-704-165-105	Chip Detector indicator	1

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-205-IPC Illustrated Parts Breakdown
BHT-205-MM Maintenance Manual
BHT-ELEC-SPM

PUBLICATIONS AFFECTED:

BHT-205-IPC Illustrated Parts Breakdown
BHT-205-MM Maintenance Manual

ACCOMPLISHMENT INSTRUCTIONS:

1. Disconnect battery.
2. Gain access to the back of chip detector indicator located on the instrument panel.
3. Disconnect wires from chip detector indicator.
4. Using fig 2, delete wires as mentioned.
5. Remove and discard chip detector indicator from instrument panel.
6. Install new chip detector indicator in conjunction with doubler –111 as shown in fig 3.
7. Using fig 1, 4 and BHT-ELEC-SPM section 4-4 relocate and connect wires on previously installed indicator.

8. Using fig 5, and BHT-ELEC-SPM section 4-4, connects supplied wire W911A20 between DS2 pin G and DS2 pin H.
9. Re-connect battery.
10. Apply appropriate power to Chip Detector system and perform following system check.
11. Press the new chip detector indicator/switch, installed on the instrument panel, "90", "42", "XMSN" and "ENG" lights should illuminate.
12. System check completed, turn power "OFF" on the system and aircraft.
13. Make an entry in the helicopter historical records indicating compliance with this Technical Bulletin.

DELETE WIRE TABLE -105		
WIRE NUMBER	FROM	TO
W11H20	DS2 (A)	DS2 (B)
W11G20	DS2 (B)	DS2 (C)
W11F20	DS2 (C)	DS2 (D)

Fig 2

Delete Wire Table

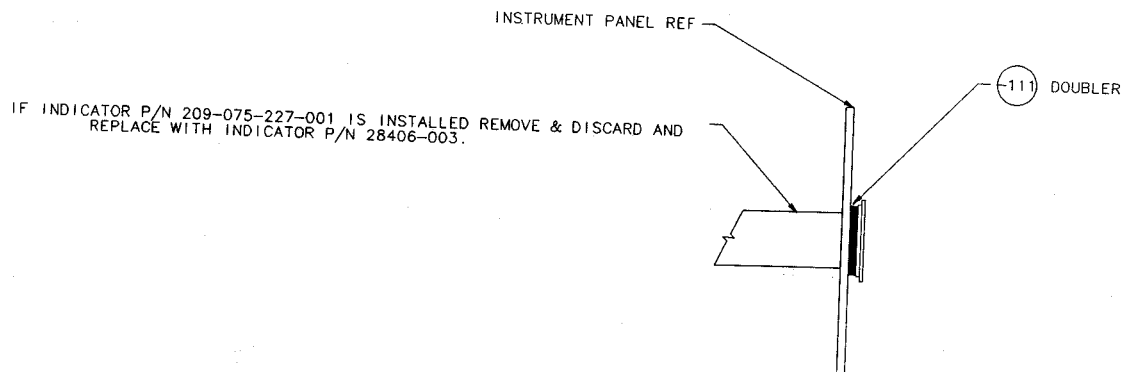


Fig 3

Indicator Installation

RELOCATE WIRE TABLE -105		
WIRE NUMBER	FROM OLD SWT P/N 209-075-227-001	TO NEW SWT P/N 28406-003
W19D20	DS2 (A)	DS2 (B)
W17D20	DS2 (B)	DS2 (A)
W18D20	DS2 (C)	DS2 (D)
W11K20	DS2 (A)	DS2 (B)
W19C20	DS2 (A)	DS2 (B)
W17C20	DS2 (B)	DS2 (A)
W18C20	DS2 (C)	DS2 (D)
W16C20	DS2 (D)	DS2 (C)
W11E20	DS2 (D)	DS2 (C)

Fig 4

Relocate Wire Table

NEW WIRE TABLE -105			
WIRE NUMBER	FROM	TO	LENGTH
W911A20	DS2 (G)	DS2 (H)	8"

Fig 5

New Wire Table