

TECHNICAL BULLETIN



A Textron Company

No. 206L-08-230

Date FEB 22, 2008

Page 1 of 6

DATE
REV

MODEL AFFECTED: 206L-1 and 206L-3

SUBJECT: ELECTRONIC ENGINE N2 OVERSPEED PROTECTION SYSTEM, REMOVAL OF

HELICOPTERS AFFECTED: Model 206L-1 helicopters serial number 45154 through 45790.

Model 206L-3 helicopters serial number 51001 through 51243.

[Model 206L-3 helicopters serial number 51244 and subsequent had the intent of this bulletin accomplished prior to delivery]

COMPLIANCE: At Customer's Option

DESCRIPTION:

This Technical Bulletin provides instructions to remove the electronic engine N2 overspeed protection system.

While performing this TB, it is recommended to accomplish the RRC Commercial Engine Bulletin (CEB) 73-2037 (for the 250-C28B) or 73-3047 (for the 250-C30P).

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

MANPOWER:

Approximately 6 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this Bulletin.

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>
25-0195-763	FILTER	1
100-050B375	PLUG BUTTON	1
100-050B500	PLUG BUTTON	1

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

ASB 206L-81-24 (250-C28B Engine (Electronic) N2 Overspeed Control System , Disarmed)

CEB A-73-2020 Engine Fuel and Control, Disarm N2 (Electronic) Overspeed Control System – 250-C28B only

CEB 73-2037 (or 73-3047) Engine, Fuel and Control, deletion of N2 Electronic Overspeed System from Single Engine applications

BHT-206L1-MM Maintenance Manual

BHT-206L3-MM Maintenance Manual

PUBLICATIONS AFFECTED:

BHT-206L-IPB Illustrated Parts Book
BHT-206L1-MM Maintenance Manual
BHT-206L3-MM Maintenance Manual

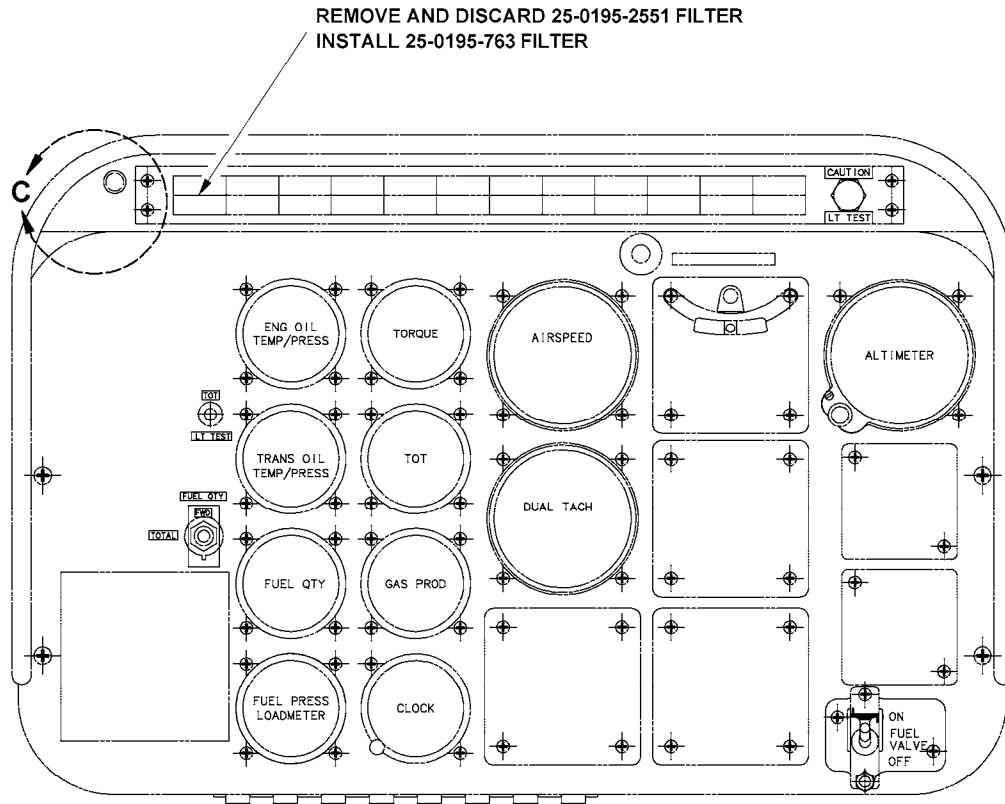
ACCOMPLISHMENT INSTRUCTIONS:

1. Disconnect aircraft battery.
2. Remove top cover from instrument panel, center post interior trim, overhead electrical panel, aft cabin headliner, and hat bin interior trim.
3. Remove and discard filter P/N 25-0195-2551 from caution warning panel and install filter P/N 25-0195-763. (Refer to Figure 1)
4. Remove and discard switch 1S10, decal P/N 31-030-24D12, and install plug button P/N 100-050B375 in lieu of the switch. (Refer to Figure 1, view C)
5. Remove and discard circuit breaker 1CB13 and install plug button 100-050B500 in its place. (Refer to Figure 1)
6. If installed, remove decals "ENG N2 OVSP DSARM" (Refer to ASB 206L-81-24) and/or "ENG OVSP CIRCUIT DEACTIVATED" (Refer to CEB A-73-2020) located on the overhead panel adjacent to ENG OVSP circuit breaker and on the instrument panel adjacent to the Overspeed test switch.
7. Remove wires from aircraft per the applicable Table 1 or 2 depending on the aircraft serial number.
8. Re-install parts and components removed in Step 2.

-NOTE-

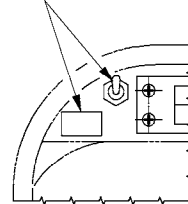
At this point, if not previously accomplished and if applicable, it is recommended to perform the Rolls Royce Commercial Engine Bulletin (CEB) 73-2037 (for the 250-C28B) or 73-3047 (for the 250-C30P).

9. Connect aircraft battery.
10. Make entries in the aircraft log books reflecting the accomplishment of this Technical Bulletin.



TYPICAL 206L1/206L3 INSTRUMENT PANEL

REMOVE AND DISCARD SWITCH 1S10
REMOVE AND DISCARD 31-030-24D12 DECAL
INSTALL 100-050B375 PLUG BUTTON



07570_001

VIEW C – INSTRUMENT PANEL

FIGURE 1 – Typical 206L-1 and 206L-3 Configurations (Sheet 1 of 2)

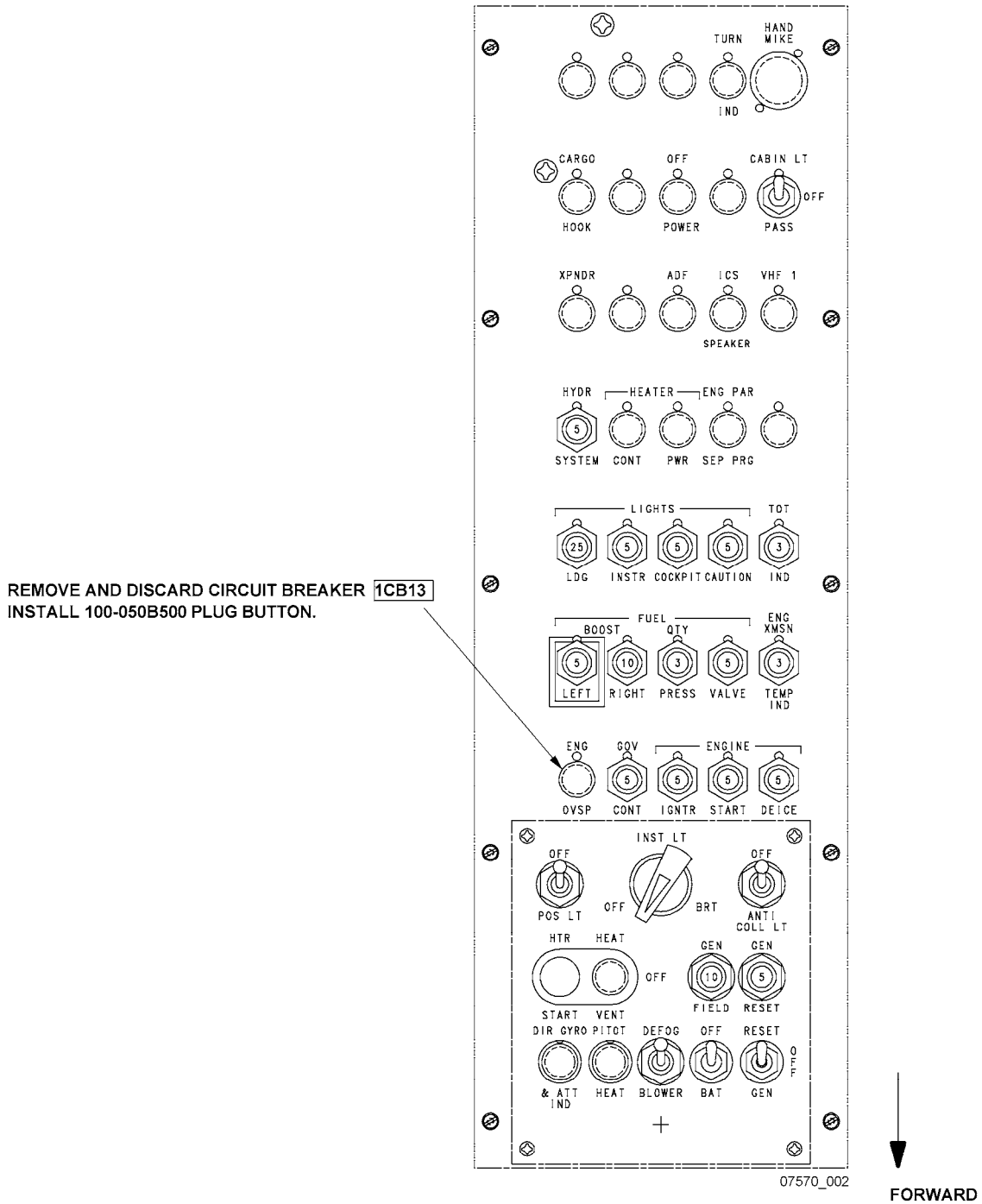


FIGURE 1 – Typical 206L-1 and 206L-3 Configurations (Sheet 2)

WIRE DELETION TABLE (FOR AIRCRAFT S/N 45154-45790)							
HARN	WIRE NUMBER	FROM	PIN	TERM	TO	PIN	TERM
W1	K11B22	1J1	26	CONTACT	1CB13	-	MS25036-102
W1	K12A22	1J1	11	CONTACT	1J5	2	60619-1
W1	K13B22	1J1	10	CONTACT	4DS1P1	<u>A</u>	CONTACT
W1	K11A22	1P5	1	60620-1	1S10	-	SOLDER TERM
W1	K12A22	1P5	2	60620-1	1S10	-	SOLDER TERM
W1	K11A22	1J5	1	60619-1	1CB13	-	MS25036-102
W11	K11C20	1P1	26	CONTACT	1P4	G	CONTACT
W11	K12B20	1P1	11	CONTACT	1P4	F	CONTACT
W11	K13A20	1P1	10	CONTACT	1P4	E	CONTACT

TABLE 1 - WIRE DELETION FOR 206L-1 SERIES

WIRE DELETION TABLE (FOR AIRCRAFT S/N 51001-51243)							
HARN	WIRE NUMBER	FROM	PIN	TERM	TO	PIN	TERM
W1	K11B22	1J1	26	CONTACT	1CB13	-	MS25036-102
W1	K12A22	1J1	11	CONTACT	1J5	2	60619-1
W1	K13B22	1J1	10	CONTACT	4DS1P1	<u>A</u>	CONTACT
W1	K11D22	1P5	1	60620-1	1S10	-	SOLDER TERM
W1	K12C22	1P5	2	60620-1	1S10	-	SOLDER TERM
W1	K11A22	1J5	1	60619-1	1CB13	-	MS25036-102
W11	K11C20	1P1	26	CONTACT	1P4	G	CONTACT
W11	K12B20	1P1	11	CONTACT	1P4	F	CONTACT
W11	K13A20	1P1	10	CONTACT	1P4	E	CONTACT

07570_003

TABLE 2 - WIRE DELETION FOR 206L-3 SERIES