

ROYAL CANADIAN AIR FORCE



**DESCRIPTION AND MAINTENANCE
INSTRUCTIONS**

**MAGNETOS APPROVED TYPES
FOR RCAF AIRCRAFT ENGINES**

(This EO replaces EO 15-5A-2 dated 28 Sep 62)

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

28 OCT 63

LIST OF RCAF REVISIONS

DATE

PAGE NO

DATE

PAGE NO

Aircraft	Engine	Make	Model	Sec/Ref. - Conversion	
				From	To
Albatross CSR110	Wright R1820-82	Scintilla	D9LN-2	37A/10193	37A/2925-00-294-2596
Argus	Wright R3350-EA1	Scintilla	DLN-9	37A/10012	37A/2925-21-803-6830
Bristol 170	Hercules 734	Rotax	N14A/1	37A/10201	37A/2925-21-803-6869
Caribou CC108	Pratt & Whitney R2000-7M2	Scintilla	SF14RN-8	37A/2925-00-112-9175	No change
Cessna L-19A	Continental 0-470-11	Scintilla	S6LN-21	37A/2925-00-370-9659	37A/2925-21-807-0737
Cessna L-19L	Continental 0-470-L	Scintilla Scintilla	S6RN205 S6RN-201	37A/10-163060-1 37A/10-163020-3	37A/2925-21-806-7784 37A/2925-21-806-7785
Chipmunk	Gypsy Major (all series)	BTH BTH	AG4-10 or 12 AG4-10 or 12	37A/2925-21-804-1974 37A/10291 RH	37A/2925-21-808-8031 37A/2925-21-804-6412
C119G	Wright R3350-89A	Scintilla	DLN-9	37A/10012	37A/2925-21-803-6830
Dakota	Pratt & Whitney R1830 Series	Scintilla	SF14LN-3	37A/10119	37A/2925-21-803-6865
Expeditor	Pratt & Whitney R985-AN14B	Scintilla Scintilla or Scintilla	SB9RN SB9RN or SB9RN	37A/10216 LH 37A/10217 RH or 37A/10081 LH and RH	37A/2925-00-640-8035 37A/2925-21-803-6870 or 37A/2925-00-242-4516 See Note 2 and 3.

Sec/Ref. - Conversion					
Aircraft	Engine	Make	Model	From	To
Harvard	Pratt & Whitney R1340-AN1, -S3H1 and -PC1	Scintilla Scintilla or Scintilla Scintilla	SB9RN SB9RN or SB9RN/H SB9RN/H	37A/10216 LH 37A/10217 RH or 37A/10216 LH 37A/10217 RH	37A/2925-00-640-8035 37A/2925-21-803-6870 or 37A/2925-21-803-1500 37A/2925-21-803-1501 See Note 2
Hiller CH112	Lycoming VO-540-B1D	Scintilla Scintilla	S6RN-200 S6LN-204	37A/2925-21-803-1911 37A/2925-21-803-1910	No change No change
Lancaster	Packard - Merlin 224-225	BTH BTH or Rotax Rotax	C6SE12S/C5 C6SE12S/C5 or NSE12/9C/P NSE12/9C/P	37A/10189 RH 37A/10190 LH (See Note 1) or 37A/2925-21-801-1818 LH Installation 37A/2925-21-801-1819 RH Installation (See Note 4)	No change No change No change No change
Neptune	Wright R3350-32W	Scintilla	DLN-9	37A/10012	37A/2925-21-803-6830

Aircraft	Engine	Make	Model	Sec/Ref. - Conversion	
				From	To
North Star	Rolls Royce 622	Rotax	NSE12/9C/P	37A/2925-21-801-1818 LH Installation 37A/2925-21-801-1819 RH Installation (See Note 4)	No change No change
North Star C5	Pratt & Whitney R2800-CA15	Scintilla	DLN-10	37A/10200	37A/2925-21-804-3420
Otter	Pratt & Whitney R1340-S1H1G	Scintilla Scintilla	SB9RN SB9RN	37A/10216 LH 37A/10217 RH	37A/2925-00-640-8035 37A/2925-21-803-6870
Sikorsky H5	Pratt & Whitney R985-AN5	Scintilla Scintilla	SB9RN SB9RN	37A/10216 LH 37A/10217 RH	37A/2925-00-640-8035 37A/2925-21-803-6870
Sikorsky H34A	Wright R1820-84	Scintilla	D9LN-2	37A/10193	37A/2925-00-294-2596
Vertol H21A, H21B and H44A	Wright R1820-103	Bosch	S9LU-3	37A/10181	37A/2925-00-293-4696

NOTE 1

Ref. 37A/5299 and 37A/5300, C6SE12S/C5 magnetos are being modified internally to improve the breaker assembly arm. After modification the magnetos are being re-referenced as 37A/10189 right-hand and 37A/10190 left-hand respectively.

NOTE 2

Scintilla SB9RN magnetos, Ref. 37A/2925-00-242-4516, still in use on Harvard and Expeditor aircraft are being modified to incorporate an improved radio shielding, after modification these magnetos are being converted to Ref. 37A/2925-00-640-8035 and 37A/2925-21-803-6870 respectively. To reduce radio interference on Harvard Mk. 4 aircraft the magnetos are being further modified, see EO 15-5ADB-6A/1, Isolation of the Booster Coil Circuit. Magnetos LH installation are re-identified as Model SB9RN/H, Part 10-78080-3/M and re-referenced as 37A/2925-21-803-1500. Magnetos RH installation are re-identified as Model SB9RN/H, Part 10-78080-4/M and re-referenced as 37A/2925-21-803-1501.

NOTE 3

Scintilla SB9RN magnetos, Ref. 37A/2925-00-242-4516, still in use on the Expeditor aircraft are being modified to incorporate an improved radio shielding block cover with a side outlet for ignition harness attachment. These magnetos are being converted to Ref. 37A/2925-00-640-8035 and 37A/2925-21-803-6870 after modification. The ignition harness is also being modified at overhaul to accept the side outlet magneto. Until all harness have been modified to accommodate side outlet magnetos, Ref. 37A/2925-00-242-4516 magneto is to be used for unmodified harnesses.

NOTE 4

Rotax NSE12/9C magnetos, Ref. 37A/2925-21-804-1975 and 37A/2925-21-804-1976 are being modified internally by incorporation of an improved potted ignition coil to prevent breakdown. These magnetos are being allotted Model NSE12/9C/P and re-referenced after modification to 37A/2925-21-801-1818 left-hand installation and 37A/2925-21-801-1819 right-hand installation.