

DESCRIPTION AND MAINTENANCE INSTRUCTIONS

PIPE LINE IDENTIFICATION

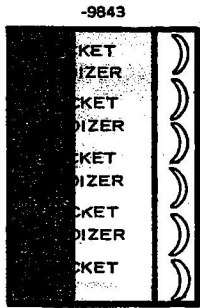
(This EO replaces EO 05-1-2Y dated 10 Mar 55)

GENERAL

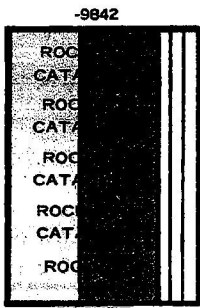
- 1 To avoid confusion by maintenance personnel in the identification of Pipe Line in aircraft and ease the tracing of Pipe Line systems, the following symbols and colour codes are to be used on all RCAF aircraft.
- 2 The colour codes represent designations for systems only. For coding lines which do not fall into one of these systems, the contents shall be designated by black lettering on a white tape.
- 3 The geometrical symbols shall be in outline only in bands approximately 3/16" wide and confined to the right-hand side of the tape within 1/4" from the edge. The symbols shall be spaced approximately as shown above. Lettering and symbols shall be printed in black.
- 4 The main function of the line shall be printed on the tape as shown in illustration. The lettering shall be 3/32" high minimum and each line repeated at intervals not exceeding the diameter of the tube on which it is to be used.
- 5 Subsidiary functions or identification of line content may be indicated by the use of additional words or abbreviations which shall be carried on a second tape adjacent to the first or alternatively, interposed between the words descriptive of the main function.
- 6 Colours used on these tapes shall conform to ANA Bulletin #166 or CGSB-1GP-12A.

RCAF Colour Code CGSB 1-GP-12A	Colour	ANA 166 Code No.
Light Blue -2-6	Light Blue	501
Light Green -3-7	Light Green	503
Light Yellow -5-1	Light Yellow	505
International	International	
Orange -8-2	Orange	508
Insignia Red -9-3	Insignia Red	509
Brown -4-4	Maroon	510
Aircraft Grey -1-6	Aircraft Grey	512
Black -10-1	Black	514

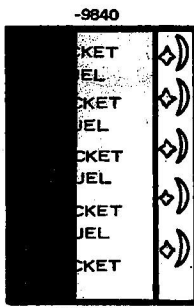
- 7 Part numbers required by Aircraft Contractors shall not appear on these tapes but may be applied on a separate white tape.
- 8 Tapes except the warning tape to be one inch minimum width. The warning tape to be 3/8" wide.



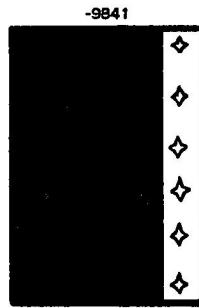
ROCKET OXIDIZER



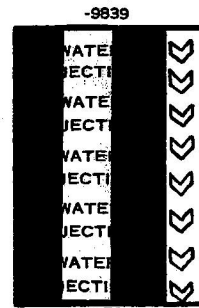
ROCKET CATALYST



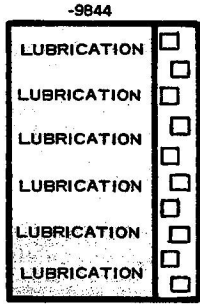
ROCKET FUEL



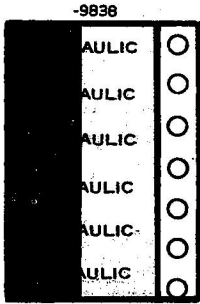
FUEL



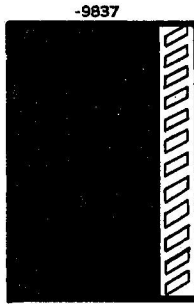
WATER INJECTION



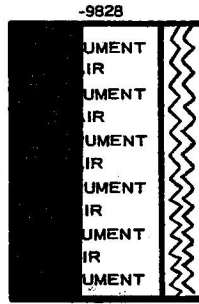
LUBRICATION



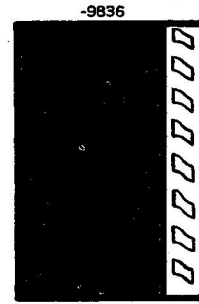
HYDRAULIC



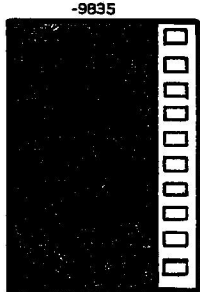
COMPRESSED GAS



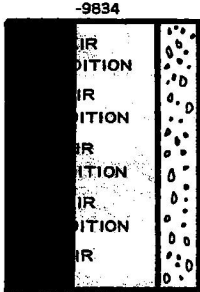
INSTRUMENT AIR



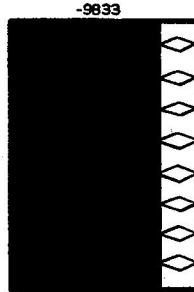
COOLANT



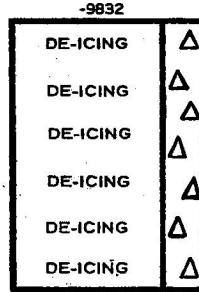
BREATHING OXYGEN



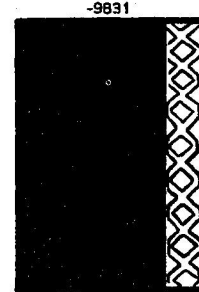
AIR CONDITION



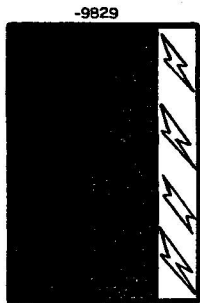
FIRE PROTECTION



DE-ICING



PNEUMATIC SYSTEM



ELECTRIC CONDUIT

IDENTIFICATION TAPES
RCAF STOCK NUMBER
7510-21-805



WARNING SYMBOL

- 9 Warning symbol tapes shall be applied to those lines whose contents are considered to be dangerous to maintenance personnel. Warning tapes to be placed adjacent to system identification tapes.
- 10 One band shall be located on each tube segment, 24" or shorter, provided that both ends of the segment are within the same compartment. One band shall be located at each end of each tube segment longer than 24" where the tube segment passes through more than one compartment or bulkhead, additional bands shall be applied so that at least one band is visible in each compartment, or on each side of the bulkhead.
- 11 Pressure transmitter lines shall be identified by the same colours as the lines from which the pressure is being transmitted.
- 12 Filler lines, vent lines and drain lines from functions or related functional equipment specified hereon shall be identified by the same colours as the function lines.
- 13 Telecommunication and armament system wave-guides are to be classified as pipe lines and are to be identified in accordance with para. (2) sentence 2 using the single word "Wave-Guide".
- 14 Tapes shall not be used on Pipe Lines in the engine compartment where there is a possibility of the tape being drawn into the engine intake. For such locations, suitable paints conforming to this colour code, and which have no deleterious effect on the material used for the lines, shall be used for identification purposes. In these cases, the geometrical symbols may be omitted.
- 15 No changes are to be made in colour code or symbols in this Engineering Order without prior consideration by Tripartite Authorities through the RCAF ASCC Member.
- 16 This EO conforms to AND 10375, latest issue.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared By:
AMC/SAMO/CEng1

