



SERVICE BULLETIN

SUBJECT - Engine Oil Temperature Indicators

1. Planning Information:

A. Effectivity:

(1) Aircraft Affected

Nomad N22 and N22B aircraft

N22-2, N22-3M, N22-4, N22B-5M, N22B-6M, N22B-7, N22-8M, N22-9M, N22B-11M, N22B-12M, N22B-13M, N22B-15M, N22B-16M, N22-17M, N22B-18M, N22B-19M, N22B-20M, N22B-21M, N22B-22M, N22B-23M, N22-24M, N22B-25, N22B-26, N22B-27, N22B-28, N22B-31M, N22B-33, N22B-35, N22B-37, N22B-39, N22-40M, N22-41M, N22-43M, N22-45M, N22-47M, N22-48M, N22-49M, N22B-50, N22-51M, N22B-52M, N22B-53, N22B-54M, N22B-55, N22B-56, N22B-57, N22B-58, N22B-59.

(1) Nomad N24 aircraft

N24-30, N24-32, N24-34, N24-36, N24-38, N24-42, N24-44, N24-46, N24-60.

(2) Spares Affected:

None.

B. Reason

The indication on the engine oil temperature gauges has been found to deviate from the expected norm during engine start and whilst heavy current loading is placed on the generator.

C. Description

A direct link is made between the earthing points of the Engine Oil Temperature Indicators and the associated Temperature Bulbs.

D. Compliance

At operators convenience.

E. Approval

The rework described herein has been approved by D.O.T. Designated Engineering Representative at the Government Aircraft Factory.

F. Manpower

One man approximately 3 hours.

G. Material - Price and availability

Parts required in para 3A(1) are to be procured from operators stock or local sources.

H. Tooling - Price and Availability

None.

I. Weight and Balance

Not Affected.

J. References

Wiring Diagram Manual Chapter 79-30-00.

K. Publications Affected

Wiring Diagram Manual

2. Accomplishment Instructions:

At Left Hand Engine nacelle, using electric cable MS25471-18 or equivalent, run wire from pin 'd' of firewall connector P.8 to earthing point of temperature sensing bulb on engine. Fit lug MS25036-102 or equivalent at this point to connect wire, and identify as E31C22N (E35C22N on R.H. Side).

Run cable M81044/9-22-9 or equivalent from pin 'd' of firewall connector J8 to pin 'd' of wing-break connector P6. This should be identified as E31B22 (E35B22 on R.H. Side) and tied to the main loom running along the wing front spar.

Remove and discard existing cable connection (E31A22N on L.H. side and E35A22N on R.H. side) from pin 'c' of L.H. engine oil temperature indicator connector P4 to earth connection on centre instrument console.

In fuselage, using cable M81044/9-22-9 or equivalent run additional cable tied to existing loom, from pin 'd' of wing-break connector J6 to pin 'c' of L.H. engine oil temperature indicator. Identify as E31A22 (E35A22 on R.H. side).

Repeat above operations on R.H. side of aircraft.

B. Modification Action

This Service Bulletin incorporates the intent of Modification N168,

3. Material Information:

A. Parts required per aircraft

<u>New Part No.</u>	<u>Qty</u>	<u>Nomenclature</u>	<u>Old Part No</u>
MS2547-18 (Spec. MIL-W-8777)	16 feet	Electric Cable	-
M81044/9-22-9 (Spec MIL-W-81044)	64 feet	" "	-
M25036-102	2	Lug	

Note:- Approved equivalents are acceptable.

B. Parts required to modify spares

None.

C. Removed Parts

<u>Part No.</u>	<u>Nomenclature</u>	<u>Recommended Disposition</u>
E31A22N	Cable	Scrap
E35A22N	Cable	Scrap

D. Special Tools

None.

PREPARED BY:

GOVERNMENT AIRCRAFT FACTORIES,

POST DESIGN SECTION.

Approved.....*B.A. Berman*..... Design