



Technical Note:

TN – 028

Issue Three

ENGINEERING ACCEPTANCE - TECHNICAL NOTE

Subject: Minor Repairs

Advice to: CCBs and VABs

Reference: Standard: GM/RT2000 Issue: 3 Clauses 6.2 b) & 8

Applies when: Considering whether a modification requires certification.

Note's Purpose: To draw attention to 04/078/NC which permits a VAB to provide a written endorsement of a minor repair which strictly constitutes a modification but which has no consequence on the vehicle's conformance.

Background: GM/RT2000 Issue 3 requires that modifications to a vehicle in any aspect covered by mandatory requirements should be subject to Engineering Acceptance.

Sometimes minor modifications to the certificated design are necessary in order to rectify wear or repair accident damage, but the modification has no consequence on the conformance of the vehicle as a whole.

Non-Compliance 04/078/NC permits a VAB to issue a written endorsement of the minor modification confirming that it does not require certification. The approved procedure is appended to this Technical Note.

Requirements: The responsibility of the VAB signatory is to ensure that:

- 1) The repair is of a minor nature having no effect on conformance (VAB).
- 2) The modification does not affect any mandatory data in RSL or TOPPS.
- 3) Consequential changes to the Maintenance Plan are covered by a Maintenance Bulletin (CCB).
- 4) Where the TOC is not the requester, the TOC is also provided with a copy of the written endorsement (CCB).

Contact: In the event of any queries on this Technical Note, please contact:
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TN-028 APPENDIX: PROCEDURE FOR IMPLEMENTING 04/078/NC

MINOR REPAIR MODIFICATIONS IN RELATION TO GM/RT2000 ISSUE 3 CLAUSES 6.2 b) & 8

This procedure under Non-Compliance number 04/078/NC permits minor modifications to be carried out without certification in those cases where repair of collision damage or rectification of wear cannot be achieved without a minor change to the vehicle originally constructed and certificated, and where mandatory data required by GM/RT2453 remains unchanged.

MINOR REPAIRS

1 Repairs

1.1 Collision Damaged Vehicles

Certificates of Conformance shall be required for collision-damage repaired vehicles if it has been necessary to depart from the previously accepted design of the vehicle, including its structural configuration and materials, in order to achieve the repair. In such circumstances a Certificate of Engineering Acceptance shall be required supported by Certificates of Conformance for Vehicle Design and Vehicle Construction. Where it is considered the repair does not require re-certification, that decision shall be endorsed by a VAB in writing.

1.2 Minor repairs

Where minor repairs to vehicles, for the purpose of rectification of wear, can only be achieved by an inconsequential departure from the previously accepted design of the vehicle certificates of conformance for design and construction shall not be required. Such cases include:

- Localised patching of areas where non-structural bodyside panels have corroded;
- The installation of thread inserts, or of nuts and bolts, where threaded holes become unacceptably worn.

Where a maintenance procedure is changed as a result of the repair, a new certificate of conformance for maintenance shall be required for the amended maintenance plan. It is permissible for the change to be introduced in a service bulletin under the provisions of non-compliance 04/076/NC (See Technical Note TN-027).

Where it is considered the repair does not require re-certification, that decision shall be endorsed by a VAB in writing.