

**SUPPLIER QUALITY ASSURANCE MANUAL
FOR PARTS AND RAW MATERIALS**

***** QUALITY ASSURANCE FOR TRIAL PRODUCTION *****

SECTION 21 – LOT IDENTIFICATION AND TRACEABILITY

PURPOSE: To define Supplier requirements for lot identification and traceability, of parts and materials.

SCOPE: Applies to Suppliers of production parts and raw materials when specified on the Notification of Quality Assurance Requirements or instances where the Supplier determines these control methods are necessary for the commodity produced (Reference Section 11 - Notification of Quality Assurance Requirements (NQAR)). This is all documented on the DENSO Supplier Lot Information and Traceability form.

EXPLANATION:

1. Traceability - This refers to the ability to track a part back through all stages of manufacture to raw materials. Process parameters used in manufacture of critical components should also be traceable, with applicable inspection and test results.
2. Identification - This refers to the method a Supplier uses to identify a part in the event a problem occurs that allows the necessary information to be quickly collected. This typically includes:
 - A. Part Number
 - B. Special Identification Marks (material type, inspection item, etc.)
 - C. Date of Manufacture, Packaging or Shipping (Supplier must clearly indicate which of these applies, as well as the type of date - Julian, calendar, etc.)
 - D. Cavity or Mold Number(s)

With the above information, the Supplier should be able to accurately determine the lot size, in process stock, final inventory at the Supplier and the in transit quantity of parts with the same dates. Therefore, if the Supplier is notified by The DENSO QA/QC contact of a non-conformance, the Supplier will be able to use this information to contain like material at their facility.

SUPPLIER RESPONSIBILITIES:

1. Lot Traceability
 - A. The Supplier must ensure that documented systems are in place at all Sub-Suppliers to control traceability of all critical components to raw materials and date of manufacture.
 - B. The Supplier must list the components, materials, and /or processes that are traced and traceable using the final lot number designation.

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- C. The Supplier should attach an actual sample or sketch and explanation of the lot control tag in the provided section.

- D. If the part/material supplied has a shelf life it must be recorded on the Lot Traceability form.

2. Identification

- A. The Supplier must clearly record the details of the identification method on the DENSO Supplier Lot Traceability Information form per the NQAR schedule.

- B. The Purchasing Department of DENSO coordinates the issuing of the "Production Control Supplier Guide" to Suppliers. This guide covers DENSO's requirements for packaging, labeling, preservation, and shipping.

Note: It is the Supplier's responsibility to ensure part conformance to all DENSO and government regulations that apply to their part/ raw materials. DENSO reserve the right to audit this conformance.

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