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Revisions to Packaging and Identification of Rubber Products (including composite metallic / non-metallic and rubber assemblies).

For the attention of the Managing Director & Quality Manager.

Dear Sir or Madam,

Scope:

All suppliers in receipt of purchase orders from Rolls-Royce Business Units and who are engaged in:

- The manufacture and / or delivery (inc. procurement from stockists or sub-tier sources) of new detail rubber products (e.g. "O" - ring seals, gaskets, sleeves etc.) which are subject to shelf life / Identification requirements - as defined within the relevant Rolls-Royce "make to print" Engineering Drawings and / or associated material (e.g. MSRR) specifications - as appropriate.
- The manufacture and / or delivery of new detail rubber products designed by specialist suppliers (including spareable items for sealed units - see below) in accordance with either their own proprietary specifications, or suitably recognised International Standards - as appropriate.
- Any combination of rubber and metallic / non-metallic products (e.g. pipe clips, bonded sealing washers etc.) delivered to Rolls-Royce under an "assembly part number".
- Sealed units (e.g. fuel systems & accessories) are excluded from this notification, however any rubber elements installed within such items should continue to be controlled in accordance with the relevant / governing technical specification requirements prior to any physical incorporation, testing and final shipment to Rolls-Royce.
- This document supersedes a previous Notice to Suppliers (NTS 204) on the same subject.

Background:

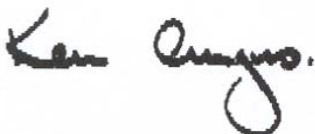
- Both in recognition of and response to our various customer's ordering / storage requirements Rolls-Royce has now amended it's receipt, storage and distribution policy on rubber products. Consequently the content of this document has been expanded from that of NTS 204 to encompass those composite products (e.g. rubber and metallic / non-metallic assemblies) not previously categorised as "shelf life items".
- As indicated in NTS 204, Rolls-Royce "make to print" legacy parts whose engineering drawings lack suitable lifing detail have now been addressed via formal amendment to the covering MSRR specifications referenced within such drawings (typically in the 5000 & 9000 range of documents), with all necessary changes having been implemented by end of April 2007.
- The internal Rolls-Royce Joint Design Specification (JDS) has been similarly amended to ensure that all "new product" drawings will also be in compliance with the above changes, whilst Joint Engineering Specification (JES) 142 has also just been updated accordingly.

Revisions to Packaging and Identification of Rubber Products.

Action Required for Packaging & Identification:

- For all Rolls-Royce designed ("make to print") detail rubber products - packaging & identification shall be to the existing drawing, specification and / or SABRe requirements - as appropriate. If any doubt exists, then default to JES 142 - "Cure Date Identification and Storage of Vulcanised Rubber Components".
- For proprietary (i.e. supplier designed products), operate in accordance with the relevant governing technical specification (e.g. AMS), this may also include national, international and / or military standards - as appropriate.
- In addition to the governing drawing and / or specification instructions, all rubber product(s) supplied to Rolls-Royce should be identified and packaged in accordance with the requirements detailed within SABRe's Protection, Packaging and Labelling Process + the associated Supplier Delivery Specification - as appropriate.
- Under our revised customer policy, composite rubber and metallic / non-metallic products will now be categorised as **Shelf Life Items** and stored / distributed accordingly. In this context, suppliers should work to the relevant governing technical specification covering the lifing requirements for the **rubber elements of such assemblies**, noting the following additional points:
 - In the above case, Rolls-Royce require packaging and identification to be in accordance with SABRe's Protection, Packaging and Labelling Process. This will be further amended at next (i.e. October 2007) update to encompass the revised requirements for composite rubber and metallic / non-metallic assemblies - designated as **Shelf Life Items**, to be controlled and identified accordingly; JES 142 has already being similarly reviewed and re-aligned.
 - Implementation of this revised policy should progressively commence on all new deliveries made to Rolls-Royce and following SABRe's October update, any products received incorrectly packaged and / or identified will be returned for rectification, or replacement - as appropriate.
 - Please cascade the content of this document within your company as necessary (including stockists / sub-tier sources - where appropriate), the NTS is being issued in advance to facilitate any necessary preparation work which may be entailed.

Yours faithfully,
for Rolls-Royce plc.



Ken Angus.
Quality Manager
External Quality Systems.

Authorised by:



Lawrence Jenkins.
Global Supplier Development
& Quality Operations Director.