

Number: 232
Issue: 001
Date: 15th November 2007

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Aerospace Standard (AS) Rubber "O" Ring Seals: Minor amendment to packaging / labelling requirements.

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 covering the delivery of Aerospace Standard (AS) rubber O-ring Seals.

Applicability:

- All shipment / deliveries of Aerospace Standard (AS) O-ring seals to Rolls-Royce Business Units, commencing Monday 26th November 2007.
- As no change has been made to actual specification requirements, deliveries made to to Rolls-Royce facilities prior to 26th November and / or existing stocks held within Rolls-Royce up to that date shall not be affected by this notice all such items being considered fit for purpose and continued use.

Background:

- To facilitate the easier part storage and selection / correct fitment of O-ring seals within our engine build facilities, Rolls-Royce are proposing to pilot the introduction a minor revision (i.e. relocation) to the visual part number identification on external packaging.
- This revision does not contravene existing requirements detailed within SABRe (Protection, Packaging & Labelling) and / or Rolls-Royce Joint Engineering Specification (JES) 131.
- A part number specific list, together with details of revised marking (Tables 1 - 4) and sample illustration of "before / after" layout requirements are attached to this document for reference and use - as necessary.

AS Rubber O-ring seals: Minor amendment to packaging / labelling requirements.

Action Required:

To enable the above:

- Part marking / identification requirements for deliveries of Aerospace Standard (AS) O-ring seals to Rolls-Royce should be made in accordance with the attachment(s).
- No retrospective action will be undertaken to adjust previous deliveries made to Rolls-Royce prior to the implementation date of 12th November (i.e. all existing stock will be used up accordingly).
- If necessary, further clarification can be obtained from the Roll-Royce Purchasing Department placing the order(s).
- Please cascade the content of this notification to all relevant personnel within your company - as / where necessary.

Yours faithfully,
for Rolls-Royce plc.



Richard Hawkins.
Head of Purchase Programmes -
Quality.

Authorised by:



Lawrence Jenkins.
Executive Vice-President
Quality & Supplier Development.



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Specific packaging / identification requirements for supply of Aerospace Standard (AS) seals to Rolls-Royce.

Scope:

This data card describes the labeling requirements for the packaging of AS standard O-rings.

Requirements:

- 1.0 Final sealing and identification of the primary pack shall comply with the requirements detailed in SABRe - Protection, Packaging and Labelling.
- 2.0 If the part number is referenced in Tables 1-4, then in addition to the standard SABRe requirements, the packaging must also comply with the following visual / layout:
 - 2.1 The part number must be the first item of information on the packaging.
 - 2.2 The part number must be a minimum of font size 18pt.
 - 2.3 The part number must be in bold.
 - 2.4 For part numbers AS 43013 - 001 to AS 43013 - 460, the relevant symbol from Table 1 shall be included on the packaging on the same level and to the left of the part number.
 - 2.5 For Part numbers AS 43003 - 901 to AS 43003 - 932, the relevant symbol from Table 2 shall be included on the packaging on the same level and to the left of the part number.
 - 2.6 For part numbers AS 12801 - 011 to AS 12801 - 251, the relevant symbol from Table 3 shall be included on the packaging on the same level and to the left of the part number.
 - 2.7 For part numbers AS 12800 - 905 to AS 12800 - 912, the relevant symbol from Table 4 shall be included on the packaging on the same level and to the left of the part number.
 - 2.8 Part number AS 3209 - 382 is included in Table 4.



Table 1 - Labelling details for part numbers AS 43013 - 001 to AS 43014 - 460.

Part number	Colour/ Symbol	Part number	Colour/ Symbol	Part number	Colour/ Symbol
AS43013-001	★	AS43013-034	●	AS43013-122	★
AS43013-002	●	AS43013-035	■	AS43013-123	●
AS43013-003	■	AS43013-036	▲	AS43013-124	■
AS43013-004	▲	AS43013-037	★	AS43013-125	▲
AS43013-005	★	AS43013-038	●	AS43013-126	★
AS43013-006	●	AS43013-039	■	AS43013-127	●
AS43013-007	■	AS43013-040	▲	AS43013-128	■
AS43013-008	▲	AS43013-041	★	AS43013-129	▲
AS43013-009	★	AS43013-042	●	AS43013-130	★
AS43013-010	●	AS43013-043	■	AS43013-131	●
AS43013-011	■	AS43013-044	▲	AS43013-132	■
AS43013-012	▲	AS43013-045	★	AS43013-133	▲
AS43013-013	★	AS43013-046	●	AS43013-134	★
AS43013-014	●	AS43013-047	■	AS43013-135	●
AS43013-015	■	AS43013-048	▲	AS43013-136	■
AS43013-016	▲	AS43013-049	★	AS43013-137	▲
AS43013-017	★	AS43013-050	●	AS43013-138	★
AS43013-018	●	AS43013-106	★	AS43013-139	●
AS43013-019	■	AS43013-107	●	AS43013-140	■
AS43013-020	▲	AS43013-108	■	AS43013-141	▲
AS43013-021	★	AS43013-109	▲	AS43013-142	★
AS43013-022	●	AS43013-110	★	AS43013-143	●
AS43013-023	■	AS43013-111	●	AS43013-144	■
AS43013-024	▲	AS43013-112	■	AS43013-145	▲
AS43013-025	★	AS43013-113	▲	AS43013-146	★
AS43013-026	●	AS43013-114	★	AS43013-147	●
AS43013-027	■	AS43013-115	●	AS43013-148	■
AS43013-028	▲	AS43013-116	■	AS43013-149	▲
AS43013-029	★	AS43013-117	▲	AS43013-150	★
AS43013-030	●	AS43013-118	★	AS43013-151	●
AS43013-031	■	AS43013-119	●	AS43013-152	■
AS43013-032	▲	AS43013-120	■	AS43013-153	▲
AS43013-033	★	AS43013-121	▲	AS43013-154	★



Part number	Colour/Symbol	Part number	Colour/Symbol	Part number	Colour/Symbol
AS43013-155	●	AS43013-219	●	AS43013-252	■
AS43013-156	■	AS43013-220	■	AS43013-253	▲
AS43013-157	▲	AS43013-221	▲	AS43013-254	★
AS43013-158	★	AS43013-222	★	AS43013-255	●
AS43013-159	●	AS43013-223	●	AS43013-256	■
AS43013-160	■	AS43013-224	■	AS43013-257	▲
AS43013-161	▲	AS43013-225	▲	AS43013-258	★
AS43013-162	★	AS43013-226	★	AS43013-259	●
AS43013-163	●	AS43013-227	●	AS43013-260	■
AS43013-164	■	AS43013-228	■	AS43013-261	▲
AS43013-165	▲	AS43013-229	▲	AS43013-262	★
AS43013-166	★	AS43013-230	★	AS43013-263	●
AS43013-167	●	AS43013-231	●	AS43013-264	■
AS43013-168	■	AS43013-232	■	AS43013-265	▲
AS43013-169	▲	AS43013-233	▲	AS43013-266	★
AS43013-170	★	AS43013-234	★	AS43013-267	●
AS43013-171	●	AS43013-235	●	AS43013-268	■
AS43013-172	■	AS43013-236	■	AS43013-269	▲
AS43013-173	▲	AS43013-237	▲	AS43013-270	★
AS43013-174	★	AS43013-238	★	AS43013-271	●
AS43013-175	●	AS43013-239	●	AS43013-272	■
AS43013-176	■	AS43013-240	■	AS43013-273	▲
AS43013-177	▲	AS43013-241	▲	AS43013-274	★
AS43013-178	★	AS43013-242	★	AS43013-275	●
AS43013-210	★	AS43013-243	●	AS43013-276	■
AS43013-211	●	AS43013-244	■	AS43013-277	▲
AS43013-212	■	AS43013-245	▲	AS43013-278	★
AS43013-213	▲	AS43013-246	★	AS43013-279	●
AS43013-214	★	AS43013-247	●	AS43013-280	■
AS43013-215	●	AS43013-248	■	AS43013-281	▲
AS43013-216	■	AS43013-249	▲	AS43013-325	★
AS43013-217	▲	AS43013-250	★	AS43013-326	●
AS43013-218	★	AS43013-251	●	AS43013-327	■



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Part number	Colour/ Symbol	Part number	Colour/ Symbol	Part number	Colour/ Symbol
AS43013-328	★	AS43013-436	▲	AS43013-459	★
AS43013-329	●	AS43013-437	★	AS43013-460	●
AS43013-330	■	AS43013-438	●		
AS43013-331	▲	AS43013-439	■		
AS43013-332	★	AS43013-440	▲		
AS43013-333	●	AS43013-441	★		
AS43013-334	■	AS43013-442	●		
AS43013-335	▲	AS43013-443	■		
AS43013-336	★	AS43013-444	▲		
AS43013-337	●	AS43013-445	★		
AS43013-338	■	AS43013-436	●		
AS43013-339	▲	AS43013-437	■		
AS43013-340	★	AS43013-438	▲		
AS43013-341	●	AS43013-439	★		
AS43013-342	■	AS43013-440	●		
AS43013-343	▲	AS43013-441	■		
AS43013-34	★	AS43013-442	▲		
AS43013-345	●	AS43013-443	★		
AS43013-346	■	AS43013-444	●		
AS43013-347	▲	AS43013-445	■		
AS43013-348	★	AS43013-446	▲		
AS43013-349	●	AS43013-447	★		
AS43013-425	★	AS43013-448	●		
AS43013-426	●	AS43013-449	■		
AS43013-427	■	AS43013-450	▲		
AS43013-428	▲	AS43013-451	★		
AS43013-429	★	AS43013-452	●		
AS43013-430.	●	AS43013-453	■		
AS43013-431	■	AS43013-454	▲		
AS43013-432	▲	AS43013-455	★		
AS43013-433	★	AS43013-456	●		
AS43013-434	●	AS43013-457	■		
AS43013-435	■	AS43013-458	▲		



Table 2 - Labelling details for part numbers AS 43003 - 901 to AS 43003 - 932.

Part number	Colour/ Symbol
AS43003-901	★
AS43003-902	●
AS43003-903	■
AS43003-904	▲
AS43003-905	★
AS43003-906	●
AS43003-907	■
AS43003-908	▲
AS43003-909	★
AS43003-910	●
AS43003-911	■
AS43003-912	▲
AS43003-914	★
AS43003-916	●
AS43003-918	■
AS43003-920	▲
AS43003-924	★
AS43003-928	●
AS43003-928	■



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Table 3 - Labelling details for part numbers AS 12801 - 011 to AS 12801-251.

Part number	Colour/ Symbol
AS12801-011	★
AS12801-012	●
AS12801-111	■
AS12801-112	▲
AS12801-113	★
AS12801-114	●
AS12801-115	■
AS12801-116	▲
AS12801-117	★
AS12801-118	●
AS12801-123	■
AS12801-124	▲
AS12801-125	★
AS12801-126	●
AS12801-127	■
AS12801-128	▲
AS12801-129	★
AS12801-130	●
AS12801-131	■
AS12801-132	▲
AS12801-133	★
AS12801-134	●
AS12801-135	■
AS12801-136	▲
AS12801-148	★
AS12801-149	●
AS12801-150	■
AS12801-151	▲
AS12801-152	★
AS12801-239	●
AS12801-251	■

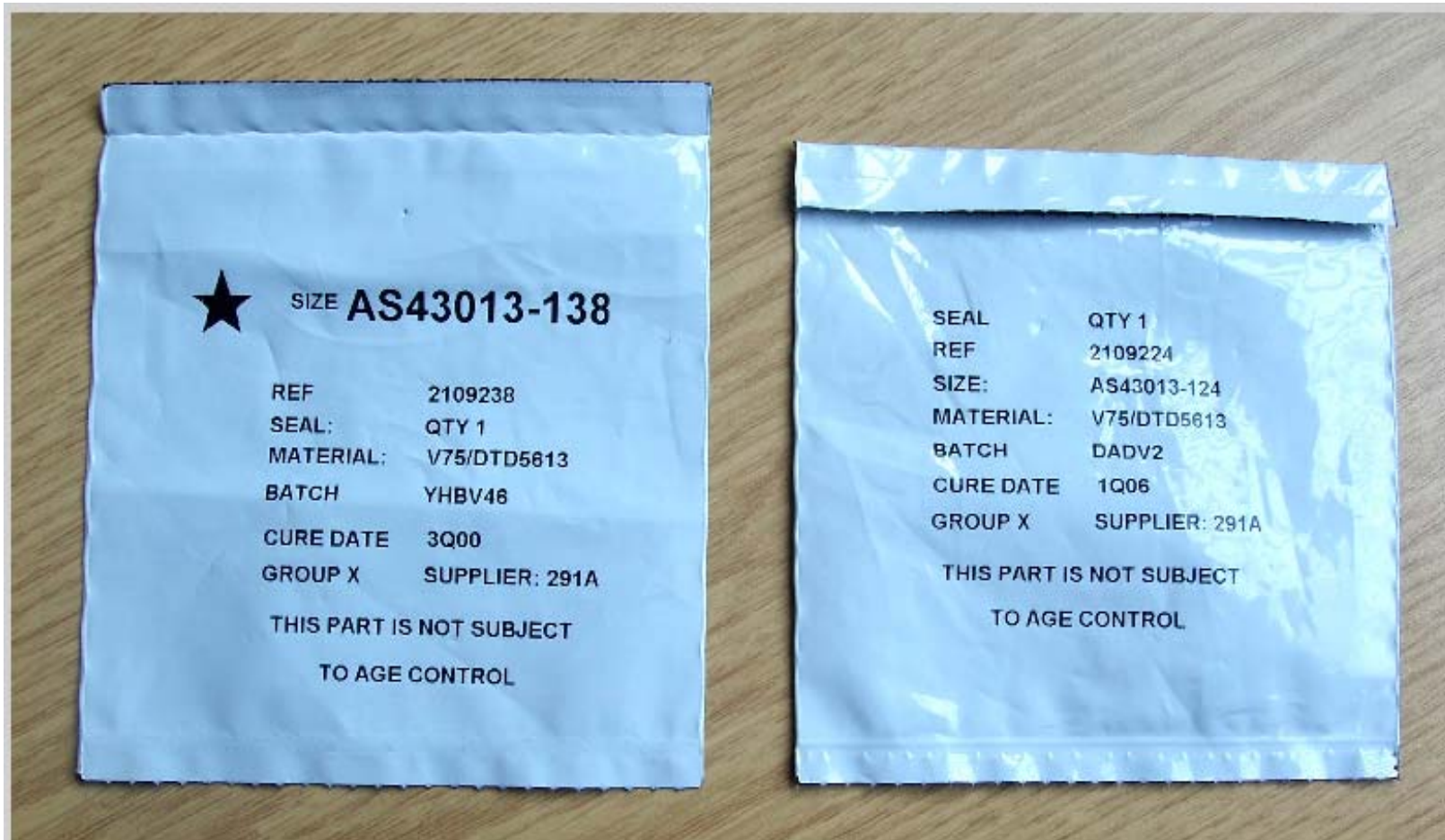


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Table 4 - Labelling details for part numbers AS 12800 - 905 to AS 12800-912 (incl. AS 3209 - 382).

Part number	Colour/ Symbol
AS12800-905	★
AS12800-906	●
AS12800-907	■
AS12800-908	▲
AS12800-909	★
AS12800-910	●
AS12800-912	■
AS3209-382	▲

EXAMPLES OF LABEL MARKINGS – BEFORE AND AFTER REQUIREMENTS



LABEL EXAMPLE AFTER CHANGE

LABEL EXAMPLE BEFORE CHANGE