TECHNICAL SERVICE BULLETIN

NUMBER: 24-003-22

GROUP: 24 - Heating and Air Conditioning

DATE: August 4, 2022

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-143, date of issue August 4, 2022. All applicable Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire 18 months after the date of issue.

SUBJECT:
Poor A/C Performance

OVERVIEW:
This bulletin involves testing the A/C system and possibly replacing the A/C system O-Rings.

MODELS:

2022	(GU)	Alfa Romeo Stelvio

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles built on or before December 24, 2021 (MDH 1224XX).

SYMPTOM/CONDITION:
The customer may describe the following:

- Poor A/C performance (A/C does not cool down properly).

DIAGNOSIS:
If a customer's VIN is listed in VIP or your RSU VIN list, perform the Inspection Procedure. **This bulletin only applies to vehicles on the RSU VIN list.**

1. Does the A/C cool down properly?
   - YES>>>This bulletin has been completed, use inspect LOP (24-45-41-92) to close the active RSU.
   - NO>>> Proceed to Step 1 of the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
2 (AR)	06106271AA	Expansion Valve O-Ring
1 (AR)	06106272AA	Condenser O-Ring
1 (AR)	06106273AA	Condenser O-Ring
16 (AR)	68224028AB	R1234YF - Refrigerant
1 (AR)	04798219AC	Ultraviolet Dye
1 (AR)	68224150AB	ND-Oil 12 A/C Compressor Oil - PAG

REPAIR PROCEDURE:

1. Check refrigerant level. If needed, recharge refrigerant to specification. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: 24 - Heating and Air Conditioning / Diagnosis and Testing.

   NOTE: Make sure to add dye in the system (Dye P.N. 04798219AC) using oil injector.
2. Perform leak test. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: 24 - Plumbing Diagnosis and Testing (Diagnosis and Testing - Refrigerant System Leaks).
3. Run the vehicle with A/C on for a few minutes to ensure oil dye circulates through the system.
4. Check for leaks using UV light. (Expansion Valve and Condenser fittings). (Fig. 1) .

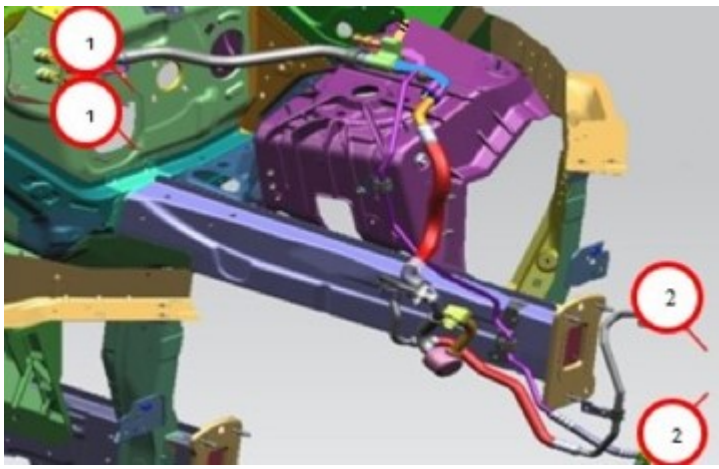


Fig. 1
O-Ring Locations

1 - Expansion Valve O-Rings
2 - Condenser O-Rings

5. If a leak is detected at any joint, proceed to inspect the condition of O-Ring (pinched or rolled).
   If damaged, replace O-Ring ONLY.
   Damaged O-rings may be found at one or more of these locations:
   - Expansion Valve: Refer to the detailed Service Procedures available in DealerCONNECT> Service Library Under: 24 - Heating and Air Conditioning / Plumbing / Valve, A/C Expansion / Removal and Installation.
   - A/C Condenser: Refer to the detailed Service Procedures available in DealerCONNECT> Service Library Under: 24 - Heating and Air Conditioning / Plumbing / Condenser, A/C / Removal and Installation.

6. Once installation and check is complete, verify there are no leaks present.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	**Description**	**Skill Category**	**Amount**
24-45-41-92	Conduct A/C Performance test (2 - Skilled)	6 - Electrical and Body Systems	0.4 Hrs.
24-45-41-93	Conduct A/C Performance and leak test (2 - Skilled)	6 - Electrical and Body Systems	1.4 Hrs.

RELATED LOPS:

24-45-41-50	Conduct A/C Performance and leak test and Replace Condenser upper O-Ring (2 - Skilled)	6 - Electrical and Body Systems	0.1 Hrs.
24-45-41-51	Conduct A/C Performance and leak test and Replace Condenser lower O-Ring (2 - Skilled)	6 - Electrical and Body Systems	0.4 Hrs.
24-45-41-52	Conduct A/C Performance and leak test and Replace Expansion Valve O-Rings (2 - Skilled)	6 - Electrical and Body Systems	0.3 Hrs.

FAILURE CODE:

ZZ	Service Action