



TOMARK, s.r.o.  
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# SERVICE BULLETIN

## OPTIONAL

No: SB\_SD4-03-2022

Date: 15.JUL 2022

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Date: -

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Approval:

SB issue by AEROSERVIS s.r.o DOA ref. EASA 21J.094  
Technical content of this document is approved as based on of  
minor change NZ AE235 approval

<b>MODEL AFFECTED:</b>	Aircrafts in conformity with EASA.A.606, Issue 3, 01.April 2019 without and also with applied change NZ_AE/207
<b>APPLICABILITY:</b>	<p><b>Criterion A) Aircrafts</b> Viper SD-4 RTC aircrafts Viper SD-4 Night-VFR aircrafts</p> <p><b>Criterion B) Coolant thermostat – <u>Silent Hektik F1102</u></b> All Viper SD-4 RTC and all Viper SD-4 Night Vifr aircraft equipped by the Silent Hektik F1102 Coolant Thermostat type during aircraft manufacturing, repair, maintenance or general overhaul or any other exchange action.</p> <p><b>Criterion C) Water thermostat – <u>Silent Hektik F1208</u></b> All Viper SD-4 RTC and all Viper SD-4 Night Vifr aircraft equipped by the Silent Hektik F1208 Coolant Thermostat type during aircraft manufacturing, repair, maintenance or general overhaul or any other exchange action.</p>
<b>SUBJECT:</b>	Installation of SilentHektik F1209v Coolant Thermostat type ATA System: 75-20 Engine Cooling
<b>COMPLIANCE:</b>	Implement this Service Bulletin when replacement of the original SilentHektik F1102 or SilentHektik F1208 Coolant Thermostat types was identified as practical or if it is needed.
<b>DESCRIPTION:</b>	TOMARK, s.r.o. as holder of EASA.A.606 identified that Silent Hektik discontinued production of F1102 or SilentHektik F1208 Coolant Thermostat types and shortage of mentioned above coolant thermostat on market. Due to this fact Silent Hektik F1209v Coolant Thermostat type can be installed on Viper SD-4 RTCand Viper SD-4 Night-VFR aircrafts as replacement.
<b>REASON:</b>	In the course of continuous development and standardization a new type of the Silent Hektik F1209v Coolant Thermostat type has been introduced, which is considered as direct replacement of the Silent Hektik F1208 Coolant Thermostat type and possible replacement of the Silent Hektik F1208 Coolant Thermostat type for Viper SD-4 RTC and Viper SD-4 Night-VFR aircrafts.
<b>MANPOWER:</b>	Persons with approved qualifications for the corresponding aircraft type. EASA Part 145, Part M or Part ML Maintenance organization
<b>LABOR TIME:</b>	1 person, approx. 2 (3) working hours
<b>MATERIAL:</b>	<ul style="list-style-type: none"> <li>➤ For Viper SD-4 RTC aircrafts in accordance with /1/ or /3/</li> <li>➤ For Viper SD-4 RTC aircrafts in accordance with /2/ or /4/</li> </ul>
<b>REFERENCES:</b>	<ul style="list-style-type: none"> <li>/1/ TOM-TC-01-AMM.G or later issue, Aircraft Maintenance Manual for Viper SD-4 RTC</li> <li>/2/ TOM-TC-15-AMM.B or later issue, Aircraft Maintenance Manual for Viper SD-4 Night-VFR</li> <li>/3/ TOM-TC-01-C1-010.E Viper SD-4 RTC Powerplant installation definition (14.DEC 2021) [ <a href="https://www.tomarkaero.com/en/technical-support/">https://www.tomarkaero.com/en/technical-support/</a> ]</li> <li>/4/ TOM-TC-15-C1-010.D Viper SD-4 RTC Night VFR Powerplant installation definition (14.DEC 2021) [ <a href="https://www.tomarkaero.com/en/technical-support/">https://www.tomarkaero.com/en/technical-support/</a> ]</li> </ul>

<b>REFERENCES:</b>	/5/ TOM-TC-01-AFM respective issue, Aircraft Flight Manual for Viper SD-4 RTC /6/ TOM-TC-15-AFM respective issue, Aircraft Flight Manual for Viper SD-4 Night-VFR /7/ Chapter 7 Article 7.11 – Engine cooling Aircraft Flight Manual update
<b>WEIGHT and BALANCE:</b>	Not affected in case of F1208 replacement. In case of F1102 replacement the Empty Weight increasement +0,5 kg.
<b>ELECTRICAL LOAD DATA:</b>	Not affected
<b>SUPPORT INFORMATION:</b>	Any possible support for Viper SD-4 RTC aircrafts contact: TOMARK s.r.o., Strojnícka 5, 080 01 Prešov, Slovak republic <a href="https://www.tomarkaero.com/kontakt/">https://www.tomarkaero.com/kontakt/</a> , E-Mail: <a href="mailto:service@tomarkaero.com">service@tomarkaero.com</a>

**ACCOMPLISHMENT ISNTRUCTIONS:****WARNING !**

- ! Before the replacement of the coolant thermostat, shut down the engine and wait for a decrease of its temperature, if the engine was warmed up for the operating/flight temperature.
- ! Park the airplane in a sufficiently large parking area.
- ! To prevent accidental movement, secure with a parking brake in the airplane's cockpit (see /2/) or secure the wheels with chocks.

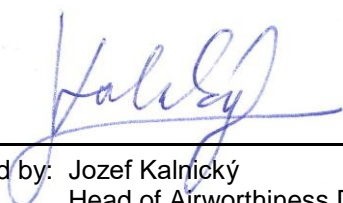
**A) Replacement of the coolant thermostat**

For Viper SD-4 RTC aircrafts follow instructions in /1/ or /3/

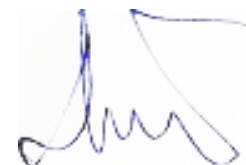
For Viper SD-4 Night-VFT aircrafts follow instructions in /2/ or /4/

**B) Final actions**

1. For airplane originally equipped by F1102 type coolant thermostat:
  - 1-1 Update Article 7.11 – Engine cooling in respective Aircraft Flight Manual according with /7/.
  - 1-2 Execute instruction for weighing and CG position estimation in accordance to instructions given in /1/ or /2/ Chapter 08 and /5/ or /6/ Chapter 6 respectively.
  - 1-3 Make records to the /5/ or /6/ Chapter 6 respectively – update data regarding empty weight and CG position.
2. Make records to the airplane documentation (Service Log-Book) – regarding this Service Bulletin accomplishment.
3. Execute engine test in accordance to instructions given in /5/ or /6/ Chapter 4 respectively.
4. Visually check coolant installation for leaks.
5. Execute a maintenance check test flight to verify the correct functioning of all demounted, replaced and mounted parts following instructions in /1/ or /2/ Chapter 05-21 and in /5/ or /6/ respectively.
6. Process the documentation required for release aircraft back to service.
7. Send information about the bulletin implementation to airplane manufacturer with evidence; e.g. copy/photocopy of records in airplane documentation (Service Log-Book).



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