

**SUPPLEMENT NO. 6 TO DOC.NO. CR-MM-1-0-00****MODIFICATION OF ENGINE LOWER COWLING
FOR EFFICIENT COOLING****LIST OF AIRPLANES COVERED BY THIS SUPPLEMENT**

| Airplane model | Serial No. | Note |
|--|------------|---|
| PS-28 Cruiser and SportCruiser / PiperSport – operating under EASA rules | | Valid also for the airplanes with installed bulletin SB-CR-067 the owners of which decide to replace the original engine lower cowling by the modified one, dwg.SE0562N |
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RECORD OF REVISIONS

| Rev. No. | Revision name | Changed pages | Issue date | Date and signature |
|----------|---------------|---------------|------------|----------------------|
| - | Initial issue | 1 - 6 | 2019-09-30 | 2019-09-30 Koukal |
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LIST OF EFFECTIVE PAGES

| Page | Date | Page | Date | Page | Date |
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**CHAPTER 1 GENERAL**

No Change

CHAPTER 2 LIMITATIONS / MAINTENANCE CHECKS

No Change

CHAPTER 3 FUSELAGE

No Change

CHAPTER 4 WING

No Change

CHAPTER 5 TAIL UNIT

No Change

CHAPTER 6 CONTROL SYSTEM

No Change

CHAPTER 7 EQUIPMENT

No Change

CHAPTER 8 LANDING GEAR

No Change

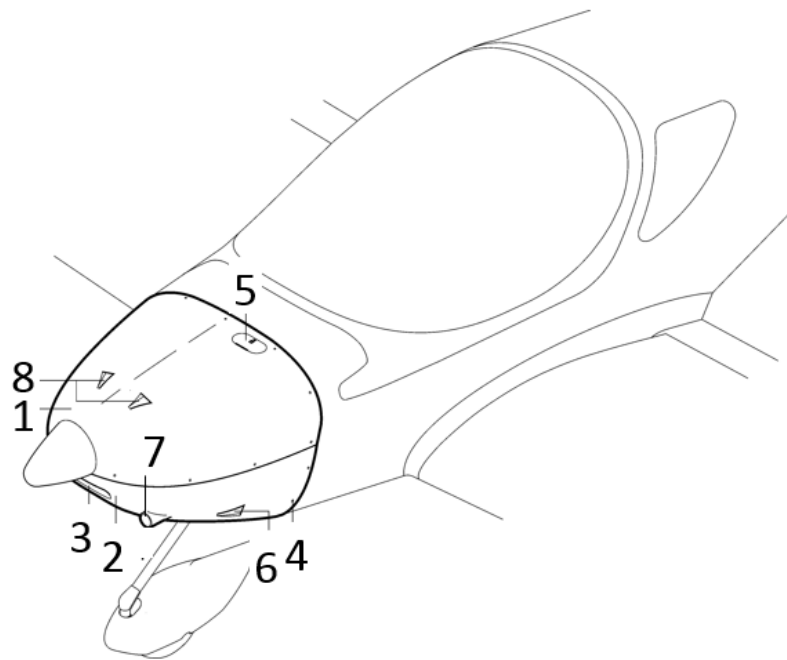
CHAPTER 9 FUEL SYSTEM

No Change

CHAPTER 10 POWER UNIT**10.2.1.2 Engine cowling**

The engine cowling (Fig. 10-2) consists of two parts: upper cowling and lower cowling. The upper cowling (1) is attached by means of quick fasteners (4) to the firewall and to the lower cowling (2). Unlock the quick fasteners by turning the bolt by 90° counter-clockwise. The access cover (5), which is located on the upper cowling on the left in front of the firewall enables to check oil quantity in the oil tank without removing the upper cowling.

The lower cowling (2) is attached by means of quick fasteners (4) to the firewall and to the upper cowling (1). In the front part of the lower cowling (2), there is an oval hole (3) for air inlet to the radiator. In the bottom part of the lower cowling (2), there is a hole for air inlet to the oil cooler. On the left side in the lower cowling (2) there is a hole (6) for air inlet to the air filter to the engine inlet system.



- | | |
|-------------------------------|--|
| 1 Upper engine cowling | 5 Access cover |
| 2 Lower engine cowling* | 6 Air inlet hole for engine inlet system |
| 3 Air inlet hole for radiator | 7 Landing light |
| 4 Quick fasteners | 8 Air inlet hole for cylinder cooling |

Fig. 10-2(a): Engine cowling

Beside the origin engine lower cowling dwg.SE0554N there is a possibility to install modified engine lower cowling dwg.SE0562N with enhanced features in terms of cooling, see the pictures below.

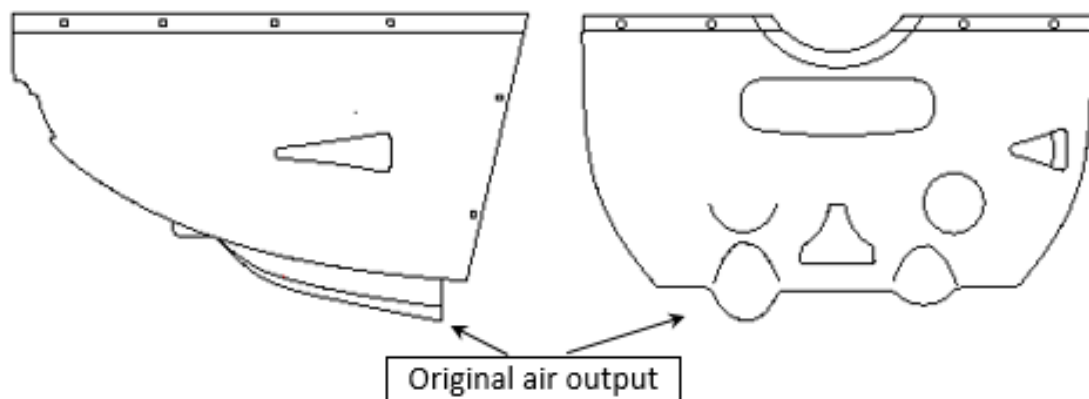


Fig. 10-2(b): Original engine lower cowling

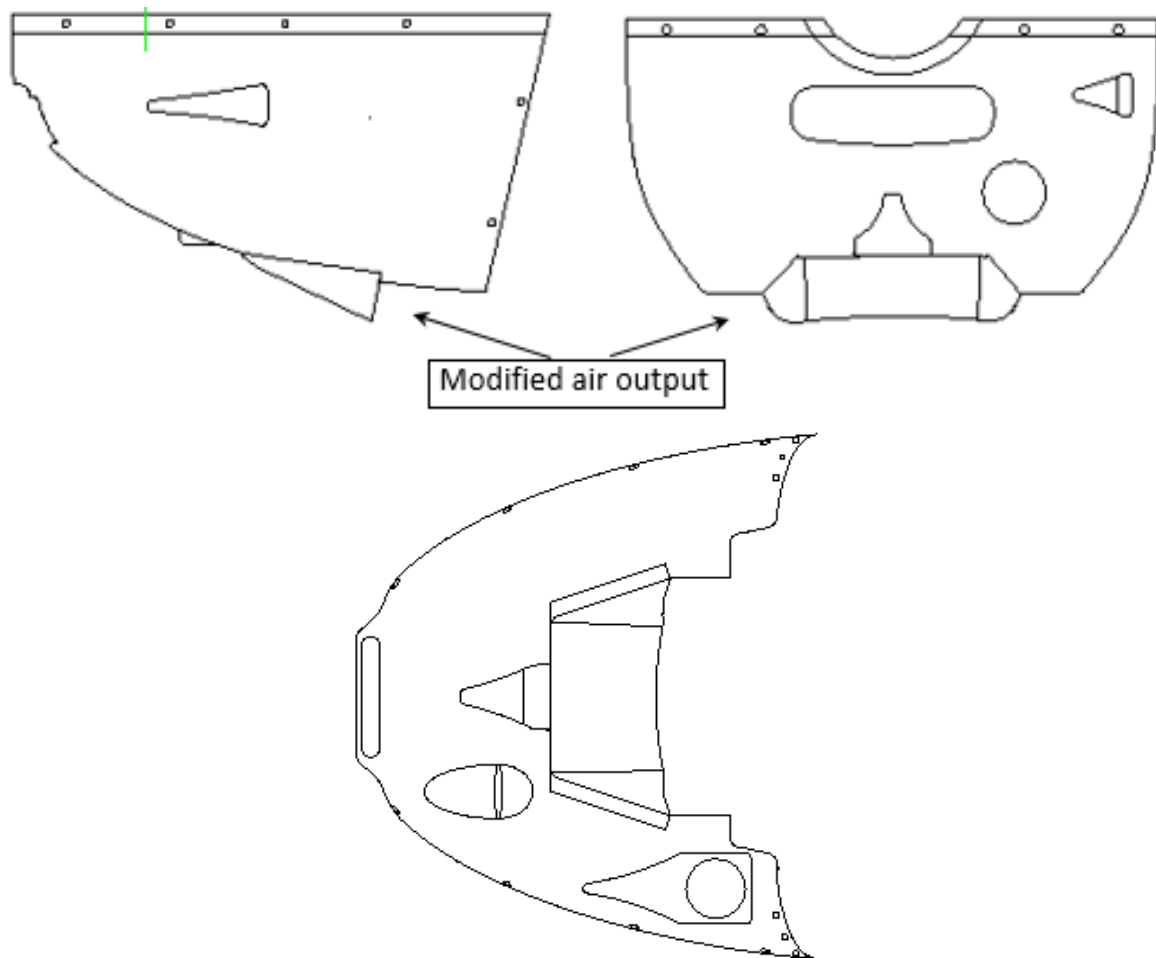


Fig. 10-2(c): Modified engine lower cowling (dwg.SE0562N) for better cooling efficiency

CHAPTER 11 ELECTRICAL SYSTEM

No Change

CHAPTER 12 INSTRUMENTS AND AVIONICS

No Change

CHAPTER 13 VENTING / HEATING

No Change

CHAPTER 14 AIRPLANE HANDLING

No Change

CHAPTER 15 AIRPLANE REPAIRS

No Change

CHAPTER 16 WIRING DIAGRAMS

No Change

CHAPTER 17 APPENDICES

No Change