



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 1/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
686 04 Kunovice
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info@cruiseraircraft.cz

REV.: -

DATE: -

MODEL AFFECTED:	PS-28 Cruiser / PS-28N Cruiser SportCruiser / PiperSport operating under EASA rules
SUBJECT:	Replacement of fuel pump nipple fittings on Rotax 912
AIRCRAFT AFFECTED:	See the table in this Service Bulletin
COMPLIANCE:	Within the next 100 flight hours / annual inspections, whichever occurs first.

DESCRIPTION:

This Mandatory Service Bulletin contain instructions how to check and replace fuel pump nipples fittings on Rotax 912 engine.

AUTHORISATION TO PERFORM:

Part M or Part 145 Maintenance organization

REASON:

Rotax quality checks revealed that in isolated cases fuel pump nipples part no. 840745 and part no. 840740 were installed with grease instead of the prescribed LOCTITE.

MANPOWER:

1 hour

SPECIAL TOOLS:

Common tools for aircraft maintenance.

WEIGHT AND BALANCE:

N/A

ELECTRICAL LOAD DATA:

N/A

PUBLICATIONS AFFECTED:

N/A

MATERIAL AND COSTS:

All costs to be covered by the aircraft owner / operator or see Rotax warranty terms and conditions.



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 2/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
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REV.: -

DATE: -

MATERIAL:

PART No.	DESCRIPTION	APPLICATION	QUANTITY
840745 ¹	Nipple 9/5.7	Fuel pump	1 pc
840740 ¹	Nipple 7/3.8	Fuel pump	1 pc
250425 ¹	Gasket ring 10.2x15x1.5	Fuel pump nipple fittings	2 pcs
899796 ¹	Loctite 577 yellow, 50cc	Fuel pump nipple fittings	As required

¹ only if the S/Ns with points 2) and 3) will match

ACCOMPLISHMENT INSTRUCTIONS:

NOTE: During the implementation of this SB follow AC43-13, MM, Rotax SB-912-063 and Rotax SI-912-020.

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Check the S/N of the engine and the pump.

NOTE: For easier fuel pump S/N use the search function normally integrated in your PDF reader software.

- a. Engine Serial number

NOTE: These engines have been originally delivered from the factory with the affected fuel pump nipple fittings part no. 840745 and part no. 840740.

ENGINE TYPE	SERIAL NUMBER
912 UL	from S/N 9581043 up to S/N 9581064 inclusive from S/N 9581066 up to S/N 9581079 inclusive S/N 9581090 S/N 9581091
912 ULS	from S/N 9144042 up to S/N 9144063 inclusive S/N 9144089 S/N 9144090 from S/N 9144096 up to S/N 9144117 inclusive from S/N 9144119 up to S/N 9144147 inclusive from S/N 9144149 up to S/N 9144153 inclusive from S/N 9144180 up to S/N 9144310 inclusive from S/N 9144316 up to S/N 9144344 inclusive from S/N 9144355 up to S/N 9144368 inclusive from S/N 9144389 up to S/N 9144392 inclusive from S/N 9144404 up to S/N 9144408 inclusive from S/N 9144419 up to S/N 9144462 inclusive from S/N 9144468 up to S/N 9144480 inclusive

Tab. 1: Engine serial number



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 3/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
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REV.: -

DATE: -

b. Fuel pump

NOTE: These fuel pumps have been originally delivered from the factory with the affected fuel pump nipple fittings part no. 840745 and part no. 840740.

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
912 UL/912 ULS	893115	See Tab. 3

Tab. 2: Fuel pump

- 3) If criterion „a“ or „b“ is met, this SB needs to be performed.
- 4) Perform Rotax Service Bulletin SB-912-076UL. See <https://www.flyrotax.com/p/service/technical-documentation>.
- 5) Restore the aircraft to airworthy condition.
- 6) Perform engine run test (see MM, Chapter 10)
- 7) Update aircraft records to reflect compliance with this Service Bulletin.

APPROVAL:

This Service Bulletin has been approved by:

TITLE:	Head of Design Organisation	Airworthiness Manager
NAME:	David Bilík	Jan Pejchar
HAND WRITTEN SIGNATURE:		



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 4/16

SERVICE BULLETIN

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DATE: -

APPENDIX 1: TAB. 3.

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144042	21.3735	893115
9144043	21.3759	893115
9144044	21.3638	893115
9144045	21.3421	893115
9144046	21.3625	893115
9144047	21.3760	893115
9144048	21.3637	893115
9144049	21.3722	893115
9144050	21.3633	893115
9144051	21.3629	893115
9144052	21.3732	893115
9144053	21.3728	893115
9144054	21.3673	893115
9144055	21.2571	893115
9144056	21.3666	893115
9144057	21.3660	893115
9144058	21.3724	893115
9144059	21.3671	893115
9144060	21.3664	893115
9144061	21.3679	893115
9144062	21.3740	893115
9144063	21.2983	893115
9144089	21.3451	893115
9144090	21.3659	893115
9144096	21.3515	893115
9144097	21.3738	893115
9144098	21.3520	893115
9144099	21.3726	893115
9144100	21.3668	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 5/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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9144101	21.3516	893115
9144102	21.3669	893115
9144103	21.3672	893115
9144104	21.3680	893115
9144105	21.3604	893115
9144106	21.3676	893115
9144107	21.3675	893115
9144108	21.3736	893115
9144109	21.3620	893115
9144110	21.3616	893115
9144111	21.3608	893115
9144112	21.3615	893115
9144113	21.3611	893115
9144114	21.3783	893115
9144115	21.3607	893115
9144116	21.3519	893115
9144117	21.3619	893115
9144119	21.3602	893115
9144120	21.3606	893115
9144121	21.3610	893115
9144122	21.3614	893115
9144123	21.3601	893115
9144124	21.3618	893115
9144125	21.3605	893115
9144126	21.3701	893115
9144127	21.3609	893115
9144128	21.3613	893115
9144129	21.3617	893115
9144130	21.3702	893115
9144131	21.3703	893115
9144132	21.3704	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 6/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144133	21.3830	893115
9144134	21.3837	893115
9144135	21.3821	893115
9144136	21.3768	893115
9144137	21.3764	893115
9144138	21.3838	893115
9144139	21.3833	893115
9144140	21.3825	893115
9144141	21.3829	893115
9144142	21.3822	893115
9144143	21.3826	893115
9144144	21.3834	893115
9144145	21.3827	893115
9144146	21.3824	893115
9144147	21.3839	893115
9144149	21.3832	893115
9144150	21.3831	893115
9144151	21.3823	893115
9144152	21.3798	893115
9144153	21.3801	893115
9144180	21.3705	893115
9144181	21.3805	893115
9144182	21.3803	893115
9144183	21.3810	893115
9144184	21.3807	893115
9144185	21.3804	893115
9144186	21.3836	893115
9144187	21.3806	893115
9144188	22.0148	893115
9144189	22.0151	893115
9144190	21.3862	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 7/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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info@cruiseraircraft.cz

REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144191	22.0158	893115
9144192	22.0141	893115
9144193	22.0147	893115
9144194	22.0154	893115
9144195	22.0146	893115
9144196	21.4052	893115
9144197	21.4060	893115
9144198	21.4158	893115
9144199	21.4143	893115
9144200	22.0150	893115
9144201	22.0155	893115
9144202	22.0145	893115
9144203	21.4151	893115
9144204	21.4142	893115
9144205	21.4155	893115
9144206	21.4156	893115
9144207	21.4147	893115
9144208	21.4160	893115
9144209	21.4144	893115
9144210	21.4159	893115
9144211	21.4152	893115
9144212	21.4048	893115
9144213	21.4148	893115
9144214	21.4132	893115
9144215	21.4139	893115
9144216	21.4128	893115
9144217	21.4140	893115
9144218	21.4157	893115
9144219	22.0143	893115
9144220	21.4154	893115
9144221	21.4146	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 8/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
686 04 Kunovice
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144222	22.0160	893115
9144223	21.4047	893115
9144224	21.4043	893115
9144225	21.3443	893115
9144226	21.4122	893115
9144227	21.4126	893115
9144228	21.4046	893115
9144229	21.4042	893115
9144230	22.0304	893115
9144231	21.4055	893115
9144232	21.4127	893115
9144233	20.0777	893115
9144234	21.4123	893115
9144235	22.0307	893115
9144236	22.0303	893115
9144237	21.4051	893115
9144238	22.0308	893115
9144239	22.0316	893115
9144240	22.0320	893115
9144241	22.0222	893115
9144242	22.0226	893115
9144243	22.0237	893115
9144244	22.0230	893115
9144245	22.0221	893115
9144246	22.0233	893115
9144247	22.0225	893115
9144248	22.0229	893115
9144249	21.4129	893115
9144250	21.4133	893115
9144251	21.4125	893115
9144252	21.4121	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 9/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144253	21.4138	893115
9144254	21.4130	893115
9144255	21.4134	893115
9144256	22.0295	893115
9144257	22.0287	893115
9144258	22.0291	893115
9144259	22.0284	893115
9144260	22.0283	893115
9144261	22.0292	893115
9144262	22.0296	893115
9144263	22.0300	893115
9144264	22.0309	893115
9144265	22.0314	893115
9144266	22.0318	893115
9144267	22.0262	893115
9144268	22.0270	893115
9144269	22.0282	893115
9144270	22.0279	893115
9144271	22.0263	893115
9144272	22.0269	893115
9144273	22.0277	893115
9144274	22.0265	893115
9144275	22.0271	893115
9144276	22.0266	893115
9144277	22.0301	893115
9144278	22.0317	893115
9144279	22.0288	893115
9144280	22.0273	893115
9144281	22.0274	893115
9144282	22.0244	893115
9144283	22.0261	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 10/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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Czech Republic
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144284	22.0290	893115
9144285	22.0299	893115
9144286	22.0280	893115
9144287	22.0294	893115
9144288	22.0268	893115
9144289	22.0272	893115
9144290	22.0276	893115
9144291	22.0264	893115
9144292	22.0281	893115
9144293	22.0298	893115
9144294	22.0293	893115
9144295	21.3504	893115
9144296	22.0297	893115
9144297	21.4137	893115
9144298	22.0259	893115
9144299	22.0247	893115
9144300	22.0248	893115
9144301	22.0260	893115
9144302	22.0256	893115
9144303	22.0253	893115
9144304	22.0243	893115
9144305	22.0250	893115
9144306	22.0249	893115
9144307	22.0208	893115
9144308	22.0255	893115
9144309	22.0219	893115
9144310	22.0246	893115
9144316	22.0203	893115
9144317	22.0242	893115
9144318	22.0227	893115
9144319	22.0623	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 11/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144320	22.0624	893115
9144321	22.0621	893115
9144322	22.0622	893115
9144323	22.0207	893115
9144324	22.0215	893115
9144325	22.0211	893115
9144326	21.3512	893115
9144327	22.0212	893115
9144328	22.0217	893115
9144329	22.0210	893115
9144330	22.0218	893115
9144331	22.0214	893115
9144332	22.0216	893115
9144333	21.3506	893115
9144334	21.3506	893115
9144335	22.0204	893115
9144336	21.3403	893115
9144337	21.3414	893115
9144338	21.3402	893115
9144339	21.3418	893115
9144340	21.3488	893115
9144341	21.3484	893115
9144342	21.3503	893115
9144343	21.3808	893115
9144344	21.3502	893115
9144355	22.0625	893115
9144356	22.0618	893115
9144357	22.0630	893115
9144358	22.0631	893115
9144359	22.0633	893115
9144360	22.0619	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 12/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144361	22.0637	893115
9144362	22.0632	893115
9144363	22.0634	893115
9144364	22.0629	893115
9144365	22.0635	893115
9144366	22.0638	893115
9144367	22.0636	893115
9144368	22.0640	893115
9144389	22.0614	893115
9144390	22.0617	893115
9144391	22.0613	893115
9144392	22.0609	893115
9144404	22.0610	893115
9144405	22.0611	893115
9144406	22.0603	893115
9144407	22.0616	893115
9144408	22.0608	893115
9144419	22.0432	893115
9144420	22.0606	893115
9144421	22.0605	893115
9144422	22.0424	893115
9144423	22.0607	893115
9144424	22.0601	893115
9144425	22.0615	893115
9144426	22.0855	893115
9144427	22.0604	893115
9144428	22.0602	893115
9144429	22.0876	893115
9144430	22.0851	893115
9144431	22.0733	893115
9144432	22.0639	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 13/16

SERVICE BULLETIN

Czech Aircraft Group s.r.o.
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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144433	22.0737	893115
9144434	22.0721	893115
9144435	22.0752	893115
9144436	22.0743	893115
9144437	22.0756	893115
9144438	22.0760	893115
9144439	22.0628	893115
9144440	22.0653	893115
9144441	22.0645	893115
9144442	22.0744	893115
9144443	22.0654	893115
9144444	22.0657	893115
9144445	22.0649	893115
9144446	22.0658	893115
9144447	22.0440	893115
9144448	22.0423	893115
9144449	22.0641	893115
9144450	22.0427	893115
9144451	22.0977	893115
9144452	22.0620	893115
9144453	22.0965	893115
9144454	22.0969	893115
9144455	22.0979	893115
9144456	22.0971	893115
9144457	22.0964	893115
9144458	22.0967	893115
9144459	22.0963	893115
9144460	22.0975	893115
9144461	22.0972	893115
9144462	22.0980	893115
9144468	22.0976	893115



CRUISER
AIRCRAFT

No.: SB-CR-101

DATE: 2023-01-02

PAGE: 14/16

SERVICE BULLETIN

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REV.: -

DATE: -

FUEL PUMP	FUEL PUMP PART No.	SERIAL NUMBER
9144469	22.0968	893115
9144470	22.0990	893115
9144471	22.0997	893115
9144472	22.0996	893115
9144473	22.0989	893115
9144474	22.0993	893115
9144475	22.0994	893115
9144476	22.0999	893115
9144477	22.0995	893115
9144478	22.1000	893115
9144479	22.0998	893115
9144480	22.0879	893115
9581043	21.3603	893115
9581044	21.3612	893115
9581045	21.3791	893115
9581046	21.3787	893115
9581047	22.0159	893115
9581048	21.4149	893115
9581049	22.0142	893115
9581050	22.0149	893115
9581051	21.4141	893115
9581052	21.4150	893115
9581053	21.4145	893115
9581054	21.4153	893115
9581055	21.3861	893115
9581056	22.0156	893115
9581057	22.0152	893115
9581058	21.4053	893115
9581059	22.0144	893115
9581060	21.4045	893115
9581061	21.4041	893115

