

# AE50R Series Engine



E1.00.10 List of applicable publications (LOAP) of TC holder Diamond Aircraft Industries GmbH and Austro Engine GmbH

updated: 02.05.2022

Doc. No.	Title	Initial Issue	Revision	S/N affected (SB / SI)	Remarks
<b>Manuals</b>					
E1.01.01 - E	Engine Manual Operation / Maintenance / Installation		7 16-Oct-2013		For AE50R, AE50RA, AE50RAB
E1.01.05 - E	Engine Manual Operation / Maintenance / Installation		10 1-Apr-2021		For IAE50R - AA
E1.03.01	Illustrated Parts Catalogue		1-Oct-2021		
<b>Manuals - Valid temporary revisions</b>					
EM-TR-MDC-E1-194	Maintenance Schedule		- 8-Apr-2019		For AE50R
EM-TR-ODC-E1-001	Optional Generator Regulator		- 21-Feb-2022		For IAE50R - AA
EM-TR-MDC-E1-236a	Fan belt reliability improvement		- 2-May-2022		For AE50R
EM-TR-MDC-E1-236a	Fan belt reliability improvement		- 2-May-2022		For IAE50R-AA
EM-TR-MDC-E1-238	Speed Sensors Position		- 1-Apr-2022		For IAE50R-AA
<b>Service Information</b>					
Issued by Diamond Aircraft Industries GmbH					
SI-AE50R-001/1	Technical publication and reporting system of Austro Engine GmbH	10-Apr-2003	1 30-Jan-2013	All	
Issued by Austro Engine GmbH					
SI-AE50R-002	Water pump sealing R1A-60-000-802		0 27-Nov-2009	SN: R1-0416 up to R1-0422; R1-0436 up to -0496; R1-0497 up to -0549; R1-1000 up to -1041; R1-2000 up to -2044; R1-A-00001 and subsequent; R1-B-00001 and subsequent	
SI-AE50R-003	Engine oil of type Castrol Power 1 Racing 2T		0 30-Apr-2013	All	
SI-AE50R-004	New revision index for part numbers		0 27-Sep-2016	All	

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<b>Service Bulletins - Mandatory</b>					
Issued by Diamond Aircraft Industries GmbH					
MSB-AE50R-001	The replacement of the fan impeller	18-Aug-2003	0 18-Aug-2003	SN: R1-0418, -0484, -0486, -0487, -0488, -0490, -0491, -0492, -0493, -0494, -0497, -0502, -0503	
MSB-AE50R-002	Fixation of the grub screws in the generator rotor assembly	24-Apr-2006	0 24-Apr-2006	SN: R1-1002 up to -1010, R1-2002 up to -2008, R1-2010.	
MSB-AE50R-003	Sub Assembly Rotor & Pulley - R1A-91-100-00 (E_R1 B 034) Fixation of the grub screws in the generator rotor assembly and identification of possible relative movement between the belt pulley and the rotor.	29-Jun-2009	0 29-Jun-2009	SN: R1-0000 up to -0496; R1-0497 up to -0549, R1-1000 up to -1041; R1-2000 up to -2044.	
MSB-AE50R-004	Rotor R1A-70-200-000 / R1B-70-200-000	2-Oct-2009	0 2-Oct-2009	AE50RAB SN: R1-1011 up to -1036, R1-1040, R1-0250, R1-0270 and R1-0541. IAE50R-AA SN: R1-2009, R1-2011, R1-2017, R1-2028 up to -2033; R1-2038 up to -2044	
MSB-AE50R-006	Engine Control Unit	20-Aug-2014	0 20-Aug-2014	IAE50R-AA All engines that have installed an Engine Control Unit with SN: 1527-90001 up to -90050	
MSB-AE50R-007/1	Approved Software and Hardware Versions of the E1 Engine Series	13-Sep-2017	1 17-Jul-2019	IAE50R-AA	
<b>Service Bulletins - Recommended</b>					
Issued by Austro Engine GmbH					
RSB-AE50R-005/2	Carburetor cap retrofit	10-May-2010	2 1-Feb-2012	All	
RSB-AE50R-008/0	Fan Belt	8-Mar-2022	0 8-Mar-2022	All	