

	Activities/Service Interval	100 h	300 h
35.	Visually examine the Injectors for: - fuel/oil leakage at injectors attachment - fuel leakage at common rail - fuel leakage at fuel return line Do a check of the nuts torque at common rail side. Do a check of the nuts torque at fuel line. Refer to chapter 73 for torque values. NOTE: Any leakage must be documented and reported to Austro Engine GmbH.		X
36.	Examine the oil separator hoses for damage.		X
37.	Examine the oil separator for signs of leakage.		X
38.	Visually examine for coolant loss at the cylinder head.		X
39.	Clean the area below the injector cover using cleaning agent. Make sure that the cylinder head drain is not clogged: The cleaning agent must drain off through the cylinder head drain line. - Do not apply cleaning agent on opened sensor connections.		X
40.	Install the injector cover according to section 85-10-00 para 3.B.		X
EXHAUST SYSTEM			
41.	Visually examine the Wastegate Controller for: - Deformations at the connection rod - A deformed mounting eyelet at the rod eye of the waste gate - Mechanical fractures/dents/chafing marks/cracks (affecting the functionality).	X	X
42.	Examine the wastegate controller bridge for: - Loose clamps or cable - Broken or frayed wires - Excessive wear	X	X
43.	Examine the pressure setting of the wastegate controller according to section 81-20-00 para 5.C.	X	X
44.	If <u>MSB-E4-029</u> has been applied or the <u>latest BPA configuration</u> is installed (refer to section 81-20-00 para 4), clean the wastegate restrictor: - Remove the restrictor. Discard clamps that secure the restrictor. - Use a wire with thickness less than 0.38 mm to remove possible clogging. Therefore, push the wire into the restrictor several times. - Carefully blow with compressed air. - Reinstall the restrictor. Use new clamps. Refer to 81-20-00 para 4.	X	
45.	Examine the exhaust manifold for cracks using a flashlight and a mirror.	X	X
46.	Examine the exhaust manifold gaskets for signs of leakage.	X	X

	Activities/Service Interval	100 h	300 h
47.	Check the tightening of the exhaust manifold stud nuts on all 8 positions. Re-tighten the nuts to 30 Nm if necessary.	X	X
48.	Remove the intake air hose from the turbocharger according to the Airplane Maintenance Manual.	X	X
49.	Visually examine the turbocharger for: - Oil leakage - Mechanical wear and damages at the compressor blades - Significant wear and grooves at the air intake - Damage concerning functionality of the turbocharger and sealing (e.g. sealing surfaces...)	X	X
50.	Examine the torque seal indicator (backplate to bearing housing) at the turbocharger. Make sure that the torque seals are not broken. Refer to Fig. 81-4.	X	X
51.	Examine the aircraft oil consumption. The accumulated oil consumption according to the Logs must not exceed 0.1 l/h.	X	X
52.	Install the intake air hose according to the Airplane Maintenance Manual.	X	X
53.	Renew the torque seal. Refer to Fig. 81-4. – Carefully remove the torque seals. – Clean the surface. The surface at the torque seal positions on the turbocharger must be free from residue. – Do not use degreasing agents! Do not scrape with sharp tools on the turbocharger parts! – Apply the torque seal (Bäder Lacke Schrauben-Sicherungslack, color blue) on the cleaned surface at the turbocharger. The torque seal must cover the compressor and the bearing housing.	X	X
54.	Complete an engine ground run according to section 71-00-01.	X	X
55.	Examine the oil system for leakage. – If leaks are found, examine the root cause and do the repair procedures as published within this maintenance manual. – Measure the engine oil level according to Section 12-10-00.	X	X
56.	Complete the maintenance and record it in the Engine Maintenance Log.	X	X