



WYTWÓRNIA SPRZĘTU KOMUNIKACYJNEGO
„PZL-ŚWIDNIK”

**LIST
OF SERVICE LETTERS
AND BULLETINS
FOR
PZL SW-4 HELICOPTERS
OPERATED
IN CIVIL AVIATION**

Doc. No. WB-60

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LIST OF SERVICE LETTERS

Item	Service Letter No.	Subject	Effectivity	Date of approved	Revision number and its approval date	Language version
1.	LS-008/2013	Inspection of Exhaust Stacks and Clamps P/N 60.04.105.00.00 securing Exhaust Stacks to Engine Exhaust Ducts.	All PZL SW-4 helicopters	08.01.2013		P, E
2.	LS-011/2012	Replacement of Wear Pads P/N 60.03.052.00.12/22 installed on Skids P/N 60.03.050.00.12/22 with Wear Pads P/N 60.10.180.00.10/20.	Landing Gears P/N 60.03.010.00.01, S/N: 02.002; 03.007; 03.010; 03.016; 03.026 and 60.03.23 installed on PZL SW-4 helicopters operated by civil operators.	07.12.2012		P, E
3.	LS-022/2013 + AD No.: 2014-0085-E	Operation and Maintenance of Push-Pull Rod Assembly P/N 60.02.620.00.00 of the PZL SW-4 Helicopter Tail Rotor.	All PZL SW-4 helicopters	04.09.2013	Revision 2 14.04.2014	P, E
4.	LS-032/2013	PZL SW-4 Helicopter, PG-4 Main Gearbox Cowling, LH, P/N 60.01.810.00.02.	PZL SW-4 Helicopter, S/N 60.04.03, operated in Brazil	14.10.2013		P, E
5.	LS-038/2013	Maintenance requirements for bearings in Upper Torque Scissors P/N 60.02.260.00.02 and Lower Torque Scissors P/N 60.02.250.00.01 of Swashplate P/N 60.02.200.00.01, SW-4 Helicopter.	Swashplates installed on the SW-4 helicopters	12.11.2013		P, E
6.	LS-039/2013	Restoring the original helicopter configuration to condition from before modification to conduct tests per Test Program LPR-60/152/2.	PZL SW-4 Helicopter S/N 60.04.07	25.11.2013		P
7.	LS-048/2013	Replacement of Windshields P/N 60.01.048.01.10 and 60.01.048.01.20 on PZL SW-4 Helicopter S/N 60.04.03.	PZL SW-4 Helicopter S/N 60.04.03	11.02.2014		P, E
8.	LS-049/2013	Checking a helicopter vibration level.	PZL SW-4 helicopters with local vibration absorbers	17.01.2014		P, E

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Item	Bulletin No.	Subject	Effectivity	Date of approved	Revision number and its approval date	Language version
1.	BS-60-04-01	Flight Manual update Doc. No. AE-60.01.04.0 IUL.	All PZL SW-4 helicopters	09.09.2004		P
2.	BS-60-06-02	Not issued.				
3.	BS-60-06-03	Maintenance Manual update Doc. No. AE 60.01.04.0 IOT.	All PZL SW-4 helicopters	28.06.2006		P
4.	BI-60-07-04	Maintenance Manual update Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	19.11.2007		P, E
5.	BT-60-07-05	Thermoregulating valve Sb-2795-3-0 in place of valve 60.06.345.00.00 in engine oil system cooler, installation of.	All PZL SW-4 helicopters	11.12.2007		P, E
6.	BT-60-07-06	1. Stroboscope pigtail connector, installation of. 2. Maintenance Manual, Doc. No. AE 60.01.04.0 MM update of.	PZL SW-4 helicopter S/N 60.02.02	09.01.2008		P, E
7.	BT-60-08-07	1. Introduction of exceeded TOT sound signal monitoring system. 2. Change of hydraulic system failure sound signal tone. 3. Updating the operational documentation.	PZL SW-4 helicopter S/N 60.02.02	08.04.2008		P, E
8.	BT-60-08-08	Not issued.				
9.	BT-60-08-09	1. Installation of LUN 1128.10B6 altimeter in place of PW-12K altimeter. 2. Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	PZL SW-4 helicopter S/N 60.02.02	08.04.2008		P, E
10.	BI-60-08-10	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	15.04.2008		P, E
11.	BI-60-08-11	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	17.07.2008		P, E
12.	BI-60-08-12	Updating the Maintenance Manual and the Wiring Manual.	All PZL SW-4 helicopters	08.09.2008		P, E
13.	BI-60-08-13	Updating the Flight Manual, Doc. No. AE-60.01.04.1 RFM.	All PZL SW-4 helicopters	02.09.2008		P, E

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Item	Bulletin No.	Subject	Effectivity	Date of approved	Revision number and its approval date	Language version
14.	BI-60-08-14	Updating the Flight Manual, Doc. No. AE-60.01.04.1 RFM and the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	15.09.2008		P, E
15.	BI-60-08-15	Updating: Flight Manual, Doc. No. AE-60.01.04.1 RFM and Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	10.12.2008		P, E
16.	BI-60-08-16	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	28.11.2008		P, E
17.	BI-60-08-17	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	28.11.2008		P, E
18.	BI-60-09-18	Update of: – Flight Manual, Doc. No. AE-60.01.04.1 RFM. – Maintenance Manual, Doc. No. AE 60.01.04.1 MM.	All PZL SW-4 helicopters	01.06.2009		P, E
19.	BI-60-09-19	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	20.02.2009		P, E
20.	BT-60-09-20	Landing gear upper cowl, replacement of.	PZL SW-4 helicopter S/No's 60.02.02, 60.03.21, 60.03.22	20.03.2009		P, E
21.	BT-60-09-21	1. Modification of audio warning system with regard to signaling hydraulic system malfunction. 2. Updating the Wiring Diagrams	PZL SW-4 helicopter S/No's 60.02.02, 60.03.21, 60.03.22, 60.03.23	20.07.2009	Revision 2 10.11.2009	P, E
22.	BT-60-09-22	Modification of attachment for door jettison handle and outer handle of forward LH and RH doors.	PZL SW-4 helicopter S/No's 60.02.02, 60.03.21, 60.03.22	21.04.2009		P, E
23.	BI-60-09-23	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	06.07.2009		P, E
24.	BI-60-09-24	– Flight Manual, Doc. Ref. AE-60.01.04.1RFM, update of; – Maintenance Manual, Doc. Ref. AE 60.01.04.0 MM, update of.	All PZL SW-4 helicopters	10.06.2009		P, E

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25.	BT-60-09-25	1. Resistor in heating and ventilation system cooling fan circuit, installation of. 2. Maintenance documentation, update of.	PZL SW-4 helicopter S/No's 60.02.02, 60.03.21, 60.03.22, 60.03.23	20.07.2009		P, E
26.	BT-60-09-26	Replacement of PK-4 tail rotor gearbox cover.	PZL SW-4 helicopter S/No's 60.02.02, 60.03.21, 60.03.22, 60.03.23	10.07.2009		P, E
27.	BI-60-09-27	Maintenance Manual Doc. No. AE 60.01.04.0 MM, update of.	All PZL SW-4 helicopters	03.11.2009		P, E
28.	BI-60-09-28 Not published	Updating Log Books.	PZL SW-4 helicopter S/No's 60.01.04, 60.02.02, 60.03.21 i 60.03.22	20.10.2009		P, E
29.	BT-60-09-29	1. Aircraft operated with oil cooler 60.06.340.00.00, marking of. 2. Flight Manual Doc No. AE-60.01.04.1 RFM, update of.	- PZL SW-4 helicopter S/N 60.02.02 – in the scope of aircraft marking; - all in the scope of Flight Manual update	26.10.2009		P, E
30.	BT-60-09-30	1. Installation of additional internal communication system. 2. Updating maintenance documentation.	-Helicopters with ordered installation of additional intercom system; -All helicopters – for updating maintenance documentation.	10.11.2009		P, E
31.	BI-60-09-31	Updating the Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	19.10.2009		P, E
32.	BT-60-09-32	Additional mounting point for T3 wiring loom of co-pilot's cyclick pitch control stick.	PZL SW-4 helicopter S/N 60.02.02	18.11.2009		P, E
33.	BT-60-09-33	1. Installation of fuel pump plate electrical bonding. 2. Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	- Helicopter S/N 60.01.04 and 60.02.02 – for modification; - All helicopters – for updating Maintenance Manual.	12.02.2010		P, E
34.	BT-60-09-34	1. Modification of failure “WARNING” light. 2. Updating Wiring Diagrams, Doc. No. AE 60.01.04.0 WD.	PZL SW-4 helicopters: - S/N 60.02.02, 60.03.21, 60.03.22, and 60.03.23 – for modification; -All helicopters - for updating Wiring Diagrams.	21.01.2010		P, E

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35.	BT-60-10-35	Replacement of chip detectors in main transmission, tail rotor gearbox, and one-way clutch.	PZL SW-4 helicopter S/N 60.01.04 thru 60.03.24	21.01.2010		P, E
36.	BI-60-10-36	Updating Maintenance Manual, Document No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	11.03.2010		P, E
37.	BI-60-10-37	Updating Maintenance Manual, Document No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	26.04.2010		P, E
38.	BS-60-10-38	Maintenance after flight or parking in volcanic ash.	All PZL SW-4 helicopters	14.05.2010		P, E
39.	BT-60-10-39	1. Modification of helicopter for operation of external cargo suspension system and “Bambi Bucket”. 2. Update of operation and maintenance documentation.	- PZL SW-4 helicopters ordered by Operators – for modification; - All helicopters – for update of documentation.	22.10.2010	Annex 2 14.02.2011	P, E
40.	BI-60-10-40	Updating: – Rotorcraft Flight Manual, Doc. No. AE-60.01.04.1 RFM; – Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	14.12.2010		P, E
41.	BI-60-10-41	Updating Maintenance Manual, Document No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	23.08.2010		P, E
42.	BS-60-10-42 AD No. 2010-0265	1. Modification of locking system for main rotor hub drag damper pivot nuts. 2. Update of helicopter Maintenance Manual.	PZL SW-4 helicopters S/N 60.01.04 thru 60.04.02	08.12.2010		P, E
43.	BI-60-10-43	Updating Wiring Diagrams, Doc. No. AE-60.01.04.0 WD.	All PZL SW-4 helicopters	04.01.2011		P, E
44.	BI-60-11-44	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	05.07.2011		P, E
45.	BT-60-10-45	1. Installation of Emergency Locator Transmitter Model C406-1HM. 2. Updating helicopter documentation.	- PZL SW-4 helicopters ordered by Operators – for modification; - All helicopters – for updating documentation.	25.11.2010		P, E

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Item	Bulletin No.	Subject	Effectivity	Date of approved	Revision number and its approval date	Language version
46.	BI-60-11-46	Updating the following manuals: -Flight Manual, Doc. No. AE-60.01.04.1 RFM; -Maintenance Manual, Doc. No. AE 60.01.04.0 MM; -Wiring Diagrams, Doc. No. AE 60.01.04.0 WD; -Illustrated Parts Catalog, Doc. No. AE 60.02.02.0 IPC and AE 60.02.02.0 IKCR.	All PZL SW-4 helicopters	09.09.2011		P, E
47.	BT-60-11-47	1. Installation of windshield wipers. 2. Updating helicopter documentation.	- PZL SW-4 helicopters ordered by Operators – for modification; - All helicopters – for updating documentation.	03.06.2011		P, E
48.	BI-60-11-48	Updating Illustrated Parts Catalogs, Doc. No. AE 60.01.04.0 IKCR and AE 60.01.04.0 IPC.	All PZL SW-4 helicopters	05.07.2011		P, E
49.	BI-60-11-49	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	24.08.2011	Revision 1 16.09.2011	P, E
50.	BI-60-11-50	Updating the following manuals: -Flight Manual, Doc. No. AE-60.01.04.1 RFM, -Maintenance Manual, Doc. No. AE 60.01.04.0 MM, -Wiring Diagrams, Doc. No. AE 60.01.04.0 WD.	All PZL SW-4 helicopters	09.09.2011		P, E
51.	BI-60-11-51	Updating the following manuals: -Flight Manual, Doc. No. AE-60.01.04.1 RFM; -Maintenance Manual, Doc. No. AE 60.01.04.0 MM; -Wiring Diagrams, Doc. No. AE 60.01.04.0 WD.	All PZL SW-4 helicopters	09.09.2011		P, E
52.	BT-60-11-52	Modification of engine cowlings for installation of air inlets and ventilation screens.	PZL SW-4 helicopters up to S/N 60.03.24	13.09.2011		P, E

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53.	BI-60-11-53	Updating Rotorcraft Flight Manual Doc. No. AE-60.01.04.1 RFM.	All PZL SW-4 helicopters	23.08.2011	Revision 1 08.09.2011	P, E
54.	BI-60-11-54	Updating the following instruction manuals: -Flight Manual, Doc. No. AE 60.01.04.1 RFM; -Maintenance Manual, Doc. No. AE 60.01.04.0 MM; -Wiring Diagrams, Doc. No. AE 60.01.04.0 WD; -Illustrated Parts Catalog, Doc. Nos. AE 60.02.02.0 IPC and AE 60.02.02.0 IKCR.	All PZL SW-4 helicopters	26.10.2011		P, E
55.	BS-60-11-55	Checking tail rotor blade pitch arm for condition during helicopter post-flight inspections.	All PZL SW-4 helicopters	18.05.2012		P, E
56.	BI-60-11-56	Updating Rotorcraft Flight Manual. Doc. No. AE-60.01.04.1 RFM.	All PZL SW-4 helicopters	09.09.2011		P, E
57.	BI-60-12-57	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	24.05.2012		P, E
58.	BI-60-12-58	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	31.01.2012		P, E
59.	BT-60-12-59	1. Modification of DC power supply circuits. 2. Updating helicopter documentation.	PZL SW-4 helicopters: - up to S/N 60.03.23, for modification; - all, for updating documentation.	27.11.2012		P, E
60.	BI-60-12-60	Updating Rotorcraft Flight Manual. Doc. No. AE-60.01.04.1 RFM.	All PZL SW-4 helicopters	13.12.2012		P, E
61.	BT-60-12-61	1. Replacement of the KX165 COMM/NAV SYSTEM with KX165A. 2. Update of operation and maintenance manuals.	PZL SW-4 helicopters: - equipped with KX165 COMM/NAV transceiver – to be modified per customer option; -all helicopters – to update operation and maintenance manuals	14.02.2013		P, E
62.	BI-60-13-62	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	26.04.2013		P, E

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63.	BT-60-13-63	1. Installation of portable fire extinguisher, RT A600, in place of GH-0.5x. 2. Update of operation and maintenance manuals.	PZL SW-4 helicopters: - up to S/N 60.04.07 (for modification) - all helicopters (for updating manuals)	14.02.2013		P, E
64.	BS-60-13-64	1. One-time inspection of fire detector connectors and their moisture protection. 2. Update of operation and maintenance manuals.	PZL SW-4 helicopters: - up to S/N 60.04.07 (for modification) - all helicopters (for updating manuals)	17.04.2013		P, E
65.	BO-60-13-65 Mandatory AD No. 2014-0140R1	Replacement of lugs, TLH48-1-105, in hydraulic drag dampers, TLH48-1, of main rotor hub.	All production batches of lugs, TLH48-1-105 of hydraulic drag dampers, TLH48-1	22.01.2014	Revision 2 28.11.2014	P, E
66.	BI-60-13-66 AD No. 2014-0054	Updating the following manuals: 1. Flight Manual, Doc. No. AE-60.01.04.1 RFM; 2. Maintenance Manual, Doc. No. AE 60.01.04.0 MM; 3. Illustrated Parts Catalog, Doc. No. AE 60.02.02.0 IKCR and AE 60.02.02.0 IPC.	All PZL SW-4 helicopters	19.09.2013		P, E
67.	BO-60-14-67 Mandatory AD No. 2014-0029-E	Rework of T7 wiring harness installation.	PZL SW-4 helicopters up to S/N 60.04.07	24.01.2014		P, E
68.	BS-60-14-68	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	23.09.2014		P, E
69.	BO-60-14-69 Mandatory AD No. 2014-0163	Inspection of TR blade attachment bolts P/N 60.02.610.03.00 or 60.02.610.03.01 and tail rotor pins P/N 60.02.610.04.00 for corrosion.	Tail Rotors from S/N 01.006	08.07.2014		P, E
70.	BK-60-14-70	Changing location of torque sensor from engine accessory gearbox case to firewall.	PZL SW-4 helicopters up to S/N 60.04.07	13.11.2014		P, E
71.	Reserved					

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Item	Bulletin No.	Subject	Effectivity	Date of approved	Revision number and its approval date	Language version
72.	BO-60-14-72 Mandatory AD No. 2014-0268	Inspection of bearings P/N 30.39.731.00.02 in swashplate pitch links.	PZL SW-4 helicopters up to S/N 60.04.07	28.11.2014		P, E
73.	BE-60-15-73	Updating Maintenance Manual, Doc. No. AE 60.01.04.0 MM.	All PZL SW-4 helicopters	25.06.2015		P, E
74.	BE-60-15-74	Updating the operation and maintenance documentation.	All PZL SW-4 helicopters	18.01.2016		P, E
75.	BK,E-60-16-75	1. Upgrading the helicopter. 2. Updating the operational documentation.	PZL SW-4 helicopters: - S/N 60.04.04 - in scope of upgrading; - all helicopters - in scope of documentation updating	22.01.2016		P, E
76.	BE-60-16-76	Updating Operation and Maintenance Manuals.	All PZL SW-4 helicopters	03.06.2016		P, E
77.	BO-60-16-77 Mandatory AD No. 2016-0099	Inspection of tail rotor blades P/N 60.02.680.00.01 for corrosion inside feathering hinge case.	All tail rotor blades	11.05.2016	Revision 1 16.05.2016	P, E
78.	BO-60-16-78 Mandatory AD No. 2016-0191-E	One-time inspection of pane seals installation in all door windows used as emergency exits.	All PZL SW-4 helicopters up to S/N 60.04.09	20.09.2016		P, E
79.	BE-60-16-79	Updating Operation and Maintenance Manuals.	All PZL SW-4 helicopters	23.12.2016		P, E
80.	BO-60-16-80 Mandatory AD No. 2016-0245-E	Inspection of tail rotor blade pitch arm, P/N 60.02.600.01.02.	All PZL SW-4 helicopters	28.11.2016		P, E
81.	BI-60-17-81	Information on incident that occurred due to maintenance activity accomplished inconsistently with a required procedure.	All PZL SW-4 helicopters	08.05.2017	Revision 1 10.05.2017	P, E
82.	BK,E-60-18-82	1. Installation of single-arm local vibration absorbers in four absorbers configuration 2. Update of helicopter manuals	PZL SW-4 helicopters: - Up to S/N 60.04.06, except S/N 60.04.04 – for modification - All – for update of manuals	23.01.2018		P, E

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83.	BE-60-18-83	Updating Rotorcraft Flight Manual, Document AE-60.01.04.1 RFM	All PZL SW-4 helicopters	11.01.2018		P, E
84.	BK-60-17-84	SL 40 Comm Transceiver and LUN 1216.A8 Turn Indicator installation.	PZL SW-4 helicopters S/N 60.04.08, 60.04.09, 60.04.10	05.09.2017		P, E
85.	BO-60-18-85 Mandatory AD No. 2018-0025	<ol style="list-style-type: none"> 1. Change to power-off V_{NE} limits 2. Installation of power-on and power-off V_{NE} placards in air-crew compartment 3. Updating Rotorcraft Flight Manual, Document AE-60.01.04.1 RFM 	PZL SW-4 helicopters up to S/N 60.04.09 inclusive	12.01.2018		P, E
86.	BS-60-18-86	<ol style="list-style-type: none"> 1. Adapting helicopters for operation in accordance with new re-issue of the RFM. 2. Introducing Rotorcraft Flight Manual, Document AE-60.01.04.1 RFM Reissue 1, Revision 0. 3. Updating helicopter manuals. 	PZL SW-4 helicopters S/N 60.01.04, 60.03.22, 60.04.04, 60.04.07	08.03.2018		P, E