

R44

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SERVICE LETTER SL-30

DATE: 20 July 2005

TO: R44 Owners, Operators, and Service Centers

SUBJECT: Crankshaft Replacement

ROTORCRAFT AFFECTED: R44 helicopters with engine serial numbers or crankshaft serial numbers listed in Lycoming Service Bulletin No. 566. See page 2.

BACKGROUND: Lycoming has identified certain crankshafts installed in O-540-F1B5 engines that must be replaced.

COMPLIANCE INFORMATION:

Lycoming Service Bulletin No. 566 (available at www.lycoming.textron.com) requires that affected engines be returned to the Lycoming factory for crankshaft replacement. To minimize helicopter down time, the following two options are also available:

1. For helicopters outside the United States, the crankshaft may be replaced at select repair facilities specifically approved by Lycoming. Contact Lycoming for prior approval to be eligible for reimbursement.
2. An overhauled exchange engine may be purchased from RHC. RHC overhauled engines include oil cooler, oil lines, and cooling panel build-up. List price is US \$27,100 plus \$11,400 core charge. Upon return to RHC of an acceptable core engine with a crankshaft affected by Lycoming SB 566, RHC will issue a refund in the amount of \$15,000 which includes core credit. An additional \$1500 credit will be issued if the core is received by RHC within 30 days after the date RHC ships the overhauled engine. Contact RHC Customer Service to request an overhauled exchange engine.

RHC records indicate that the following R44 helicopter serial numbers have affected engines. Confirm effectivity using aircraft records and Lycoming SB 566 instructions.

R44	ENGINE	R44	ENGINE	R44	ENGINE	R44	ENGINE
0358	L-25185-40A	0750	L-25518-40A	0803	L-25629-40A	0864	L-25698-40A
0600	L-25513-40A	0751	L-25558-40A	0804	L-25630-40A	0865	L-25705-40A
0650	L-25452-40A	0752	L-25563-40A	0805	L-25634-40A	0866	L-25706-40A
0662	L-25463-40A	0753	L-25565-40A	0806	L-25633-40A	0868	L-25700-40A
0663	L-25468-40A	0754	L-25564-40A	0807	L-25636-40A	0869	L-25711-40A
0665	L-25467-40A	0755	L-25566-40A	0808	L-25631-40A	0870	L-25709-40A
0669	L-25475-40A	0756	L-25567-40A	0809	L-25632-40A	0871	L-25693-40A
0671	L-25476-40A	0757	L-25569-40A	0810	L-25635-40A	0872	L-25708-40A
0676	L-25487-40A	0758	L-25571-40A	0812	L-25639-40A	0873	L-25712-40A
0684	L-25490-40A	0760	L-25573-40A	0813	L-25640-40A	0875	L-25715-40A
0687	L-25492-40A	0761	L-25572-40A	0815	L-25642-40A	0876	L-25707-40A
0688	L-25494-40A	0762	L-25574-40A	0817	L-25647-40A	0879	L-25725-40A
0692	L-25495-40A	0763	L-25557-40A	0818	L-25648-40A	0882	L-25723-40A
0693	L-25499-40A	0764	L-25568-40A	0819	L-25649-40A	0883	L-25727-40A
0694	L-25501-40A	0765	L-25575-40A	0820	L-25646-40A	0884	L-25628-40A
0696	L-25503-40A	0766	L-25578-40A	0822	L-25650-40A	0886	L-25743-40A
0697	L-25485-40A	0767	L-25579-40A	0823	L-25652-40A	0893	L-25737-40A
0701	L-25506-40A	0768	L-25585-40A	0825	L-25655-40A	0894	L-25745-40A
0702	L-25510-40A	0769	L-25587-40A	0827	L-25654-40A	0899	L-25738-40A
0706	L-25511-40A	0770	L-25588-40A	0828	L-25658-40A	0906	L-25746-40A
0710	L-25515-40A	0772	L-25596-40A	0829	L-25620-40A	0908	L-25752-40A
0711	L-25517-40A	0773	L-25592-40A	0831	L-25667-40A	0910	L-25754-40A
0712	L-25519-40A	0774	L-25591-40A	0832	L-25672-40A	0915	L-25755-40A
0713	L-25520-40A	0775	L-25586-40A	0833	L-25666-40A	0923	L-25774-40A
0715	L-25522-40A	0776	L-25593-40A	0836	L-25637-40A	0924	L-25775-40A
0716	L-25523-40A	0777	L-25595-40A	0837	L-25668-40A	0928	L-25784-40A
0717	L-25524-40A	0778	L-25598-40A	0838	L-25678-40A	0933	L-25794-40A
0718	L-25525-40A	0779	L-25594-40A	0839	L-25665-40A	0935	L-25798-40A
0720	L-25526-40A	0780	L-25601-40A	0840	L-25674-40A	0936	L-25797-40A
0721	L-25528-40A	0781	L-25599-40A	0841	L-25673-40A	0939	L-25779-40A
0722	L-25531-40A	0782	L-25602-40A	0842	L-25676-40A	0942	L-25781-40A
0725	L-25535-40A	0783	L-25603-40A	0844	L-25681-40A	0943	L-25783-40A
0726	L-25534-40A	0784	L-25600-40A	0845	L-25675-40A	0944	L-25786-40A
0732	L-25540-40A	0785	L-25604-40A	0846	L-25680-40A	0947	L-25792-40A
0733	L-25542-40A	0786	L-25605-40A	0847	L-25687-40A	0952	L-25805-40A
0734	L-25543-40A	0787	L-25606-40A	0848	L-25689-40A	0971	L-25826-40A
0735	L-25545-40A	0788	L-25607-40A	0849	L-25671-40A	0972	L-25827-40A
0736	L-25547-40A	0789	L-25609-40A	0850	L-25670-40A	0982	L-25837-40A
0737	L-25544-40A	0790	L-25619-40A	0852	L-25690-40A	0983	L-25838-40A
0738	L-25546-40A	0791	L-25615-40A	0853	L-25684-40A	0988	L-25843-40A
0739	L-25548-40A	0792	L-25622-40A	0854	L-25683-40A	0989	L-25844-40A
0740	L-25551-40A	0793	L-25623-40A	0855	L-25686-40A	0990	L-25685-40A
0741	L-25550-40A	0794	L-25624-40A	0856	L-25688-40A	0991	L-25846-40A
0742	L-25552-40A	0795	L-25613-40A	0857	L-25692-40A	0996	L-25849-40A
0743	L-25549-40A	0796	L-25616-40A	0858	L-25697-40A	0998	L-25852-40A
0744	L-25553-40A	0797	L-25618-40A	0859	L-25701-40A	1001	L-25859-40A
0745	L-25554-40A	0798	L-25617-40A	0860	L-25691-40A	1009	L-25865-40A
0746	L-25556-40A	0799	L-25614-40A	0861	L-25699-40A	1010	L-25867-40A
0747	L-25555-40A	0800	L-25625-40A	0862	L-25702-40A	1172	L-26041-40A
0748	L-25559-40A	0801	L-25645-40A	0863	L-25704-40A	1198	L-25527-40A