

R22-series Lightweight Battery Provisions Kit Instructions

Kit provides instruction to replace RHC p/n B237-6 (12V, 24 AH) battery with Concorde p/n RG-12LSA (12V, 11 AH) battery (not included in kit). Lightweight battery is not sold nor installed by RHC.

NOTE

Visit www.robinsonheli.com to verify kit instructions are current revision. Review instructions before installation; contact RHC Technical Support with questions. Verify kit contents match list; contact RHC Customer Service if parts are missing or damaged.

NOTE

RG-12LSA battery requires increased periodic charging service.

ITEM	PART NUMBER	KIT CONTENTS	QTY
1	KI-245Instr.	Kit Instructions	1
2	B371-4	Spacer Assembly – Lightweight Battery	1

Kit Instructions

1. Remove battery per R22 Maintenance Manual (MM) § 33-10.
2. Verify battery box is clean and free of debris. Position B371-4 spacer assembly into battery box. Position lightweight battery (Concorde battery p/n RG-12LSA) on spacer assembly, terminals toward cable notches in box. Verify battery is properly seated.
3. Connect battery and install battery box cover per MM § 33-10.
4. Revise helicopter’s Weight and Balance Record in R22 Pilot’s Operating Handbook (POH) Section 6 to reflect this installation by incorporating the following data:

NOTE

Weight & balance information provided includes weight for Concorde battery p/n RG-12LSA .

- a. Aft battery installation (R22 Alpha, Beta, & Beta II models):

Remove:

Item	Weight	Long. Arm	Long. Moment	Lat. Arm	Lat. Moment
B237-6 Battery	-23.5 lb	100.5 in.	-2361.8 in.-lb	-14.4 in.	+338.4 in.-lb

Install:

Item	Weight	Long. Arm	Long. Moment	Lat. Arm	Lat. Moment
KI-245 Lightweight Battery Provisions Kit, plus RG-12LSA	+13.3 lb	100.5 in.	+1336.7 in.-lb	-14.4 in.	-191.5 in.-lb

Kit Instructions (continued)

4. b. Nose battery installation (R22 Standard, HP, Mariner, & Mariner II models):

Remove:

Item	Weight	Long. Arm	Long. Moment	Lat. Arm	Lat. Moment
B237-6 Battery	-23.5 lb	40.8 in.	-958.8 in.-lb	0 in.	0 in.-lb

Install:

Item	Weight	Long. Arm	Long. Moment	Lat. Arm	Lat. Moment
KI-245 Lightweight Battery Provisions Kit, plus RG-12LSA	+13.3 lb	40.8 in.	+542.6 in.-lb	0 in.	0 in.-lb

5. Make appropriate maintenance record entries.