

Required Equipment List Garmin G1000

Diamond Model DA 40

Garmin Ltd. or its subsidiaries
c/o Garmin International, Inc.
1200 E. 151st Street
Olathe, KS 66062

Dwg. Number:
005-00149-28 Rev. F

STC No. SA01254WI

DER Review Required

	Approvals	Date
Drawn	RBS	2/25/04
Checked	BJB	2/25/04
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Rev.	Date	Description of Change	ECO #
A	2/25/2004	Initial Release	----
B	3/11/2004	Incorporated part number changes, added options.	24965
C	4/29/2004	Updated part number information.	25458
D	6/11/2004	Updated part number information.	26202
E	6/17/2004	Changed quantity of 682-00002-00 from 2 to 5.	26294
F	8/24/2004	Changed Code Loader Card dash number to -04.	27109

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1 PARTS LIST

For a complete list of parts required to complete the installation, refer to the PARTS LIST on sheet 3 of Garmin drawing 005-00149-01, G1000 Install in Diamond DA40, listed on the 005-C0004-00 Master Drawing List. These parts consist of the hardware, parts, discrete components, wire, equipment and other items associated with the installation of the G1000 in the DA 40.

2 REQUIRED DOCUMENTATION

The following table lists the documents to operate and maintain the aircraft. These documents must be procured from Garmin.

DESCRIPTION	GARMIN PART NUMBER	REVISION
Airplane Flight Manual Supplement G1000 Integrated Avionics System in a Diamond Model DA 40	190-00303-02	Reference Supplemental Type Certificate
G1000 Cockpit Reference Guide for the Diamond Model DA 40	190-00324-00	Revision 2 or later
G1000 Maintenance Manual Diamond DA 40	190-00303-03	Reference Master Drawing List 005-C0004-00

3 REQUIRED EQUIPMENT AND SOFTWARE

The following table lists the Line Replaceable Units (LRU) to be procured from Garmin. The table shows the LRU part numbers to be ordered and the Code Loader Card part number to be procured. The table also shows the compatible software part number for each LRU part number. If applicable, a software version is also shown in the table. Note that two display units and two avionics integration units are required. The software part numbers and versions are contained on the code loader code. The code loader card is required for loading the software for each unit, reference the 190-00303-06 G1000 Post Installation Checkout – Diamond DA 40, listed on the 005-C0004-00 Master Drawing List, for the software loading procedure.

DESCRIPTION	LRU PART NUMBER	CODE LOADER PART NUMBER	SOFTWARE PART NUMBER	SOFTWARE VERSION
GTX 33 MODE S TRANSPONDER	011-00779-00	010-00369-04	006-B0172-XX	3.06
GEA 71 ENGINE AIRFRAME UNIT	011-00831-00		006-B0193-01	2.03
GDC 74A AIR DATA COMPUTER	011-00882-00		006-B0261-01	2.03
			006-C0055-00	1.05
GMU 44 MAGNETOMETER	011-00870-00		006-B0224-00	2.01
			006-C0048-00	2.00
GDU 1040 DISPLAY UNIT, PFD	011-00972-00		006-B0319-05	2.02
GDU 1040 DISPLAY UNIT, MFD	011-00972-00		006-B0319-05	2.02
GIA 63 AVIONICS INTEGRATION UNIT NO. 1	011-00781-00		006-B0190-07	2.02
			006-B0093-XX	3.01
GIA 63 AVIONICS INTEGRATION UNIT NO. 2	011-00781-00		006-B0190-07	2.02
			006-B0093-XX	3.01
GRS 77 ATTITUDE HEADING REFERENCE UNIT	011-00868-00	006-B0223-00	2.01	
		006-C0049-00	2.00	
GMA 1347 AUDIO PANEL	011-00809-00	006-B0203-02	2.03	

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4 REQUIRED EQUIPMENT

The following table lists all of the additional equipment required for installation of the G1000 avionics system on the DA 40. Procure the parts listed in the table from the vendor specified in the last column.

QTY	DESCRIPTION	PART NUMBER	VENDOR
1	TACH SENSOR	494-00024-00	GARMIN INTERNATIONAL 1200 E 151 ST OLATHE, KS USA 66062 TEL: 913-397-8200 FAX: 913-3978282 www.garmin.com
1	ALTERNATOR CURRENT SENSOR	494-00025-00	
4	CYLINDER HEAD TEMP SENSOR	494-00026-01	
4	EXHAUST GAS TEMP SENSOR	494-00026-00	
5	VOLTAGE SUPPRESSOR	682-00002-00	
1	REMOTE AVIONICS ENCLOSURE	011-01015-00	
1	GTP 59 OAT PROBE	011-00978-00	
2	CDU FAN	013-00102-00	
1	OIL PRESSURE SENSOR	IPT-20RT1-1000-100G	KULITE SEMICONDUCTOR PRODUCTS, INC. 889 NORTH MAIZE ROAD SUITE 101 WICHITA, KS 67212 U.S.A. TEL: 316-773-6194 FAX: 316-773-1115 www.kulite.com
1	FUEL PRESSURE SENSOR	IPT-20RT1-1000-100G	
1	MANIFOLD PRESSURE SENSOR	APT-151B-1000-20A	
1	OIL PRESSURE HOSE	AE3660001E0112	EATON AEROSPACE AEROQUIP ENGINEERED SYSTEMS DIVISION TO LOCATE AN AUTHORIZED AEROQUIP DEALER, GO TO THE FOLLOWING WEB SITE https://fluidpower.eaton.com/CO_FindUs.asp OR www.aeroquip.com
1	FUEL PRESSURE HOSE	AE3660001E0066	
1	MANIFOLD PRESSURE HOSE	AE3660121B0195	
1	VOR/LOC/GS DIPLEXER	CI-1125	DIAMOND AIRCRAFT TEL: (519) 457-4051 FAX: (800) 934 3519 or (519) 457-4045 www.diamondair.com
1	FUEL FLOW SENSOR	680501-1(29.8)	SHADIN COMPANY INCORPORATED 6831 OXFORD STREET ST. LOUIS PARK, MN 55426-4412 U.S.A. TEL: (952)927-6500 FAX: (952)924-1111 www.shadin.com
1	OIL TEMPERATURE SENSOR	MS28034-1	NORWICH AERO PRODUCTS, INC. 50 O'HARA DRIVE NORWICH, NY 13815 U.S.A. TEL: (607) 336-7636 FAX: (607) 336-2610 www.norwichaero.com

5 OPTIONS

The optional terrain cards are listed in the table below. Procure the cards listed in the table from Garmin. The installation requires two (2) terrain cards, one for each GDU 1040 display unit. The cards are installed in the lower slot of the GDU 1040 display units.

QTY	DESCRIPTION	PART NUMBER
2	GDU 10XX Terrain Data Base Card	010-00330-40

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