

**TITLE**

ELECTRICAL POWER - CONTACTOR REPLACEMENT

**EFFECTIVITY**

All Cessna Multi Engine airplanes equipped with 12-volt and 24-volt contactors listed in this service letter.

**REASON**

To provide spares replacement for obsolete 12-volt and 24-volt contactors.

**DESCRIPTION**

To provide parts and instructions for replacement of obsolete 12-volt and 24-volt contactors with Lamar contactors.

**COMPLIANCE**

OPTIONAL. This service letter can be accomplished at the discretion of the owner.

**REFERENCES**

Applicable Cessna Airplane Maintenance/Service Manuals and Illustrated Parts Catalogs

Cessna Service Kit SK337-74 (or latest revision), 28-Volt Starter Contactor Replacement

Lamar Technologies LLC Service Information Letter LSI-017 Revision A (or latest Cessna-approved revision), Replacing the Cessna Contactors

Lamar Technologies LLC Service Information Letter LSI-018 Revision A (or latest Cessna-approved revision), Replacing the Cessna Contactors

**PUBLICATIONS AFFECTED**

Applicable Cessna Airplane Maintenance/Service Manuals and Illustrated Parts Catalogs

**ACCOMPLISHMENT INSTRUCTIONS**

Applicable Cessna Service Kit and/or Lamar Technologies Service Information Letter installation instructions are included with the contactor / contactor kits listed in the Material Information Section of this service letter when they are shipped from Cessna Service Parts and Programs.

April 4, 2013

MEL-24-02  
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**MATERIAL INFORMATION**

<b>NEW P/N</b>	<b>INSTALLATION INSTRUC- TIONS</b>	<b>KEY WORD</b>	<b>OLD P/N</b>	<b>INSTRUCTIONS/ DISPOSITION</b>
P52-0016	SK337-74	Contacto Kit, 24V Intermittent Duty	S1577-1, S1577A1, 8781-8	Discard
X61-0030	Not Required/ Direct Replacement	Contacto, 12V Intermittent Duty	S2103-1, S2103A1, 111-139D	Discard
P52-0033	LSI-018, Rev A	Contacto Kit, 12V Intermittent Duty	S1991-1, S1991A1, 111-138D, SAW4204-1, SAW4206-1	Discard
P52-0034	LSI-018, Rev A	Contacto Kit, 12V Continuous Duty	S1660-1, S1660A1, 8781-10	Discard
P52-0034-1	LSI-017, Rev A	Contacto Kit, 12V Continuous Duty	S1579-1, S1579-2, S1579A2/111-140D	Discard
P52-0035-1	LSI-017, Rev A	Contacto Kit, 24V Continuous Duty	S1580-1, S1580A1, 8781-9	Discard

**TITLE**

ELECTRICAL POWER - CONTACTOR REPLACEMENT

**TO:**

Cessna Multi Engine Owner

**REASON**

This owner advisory is to inform you that MEL-24-02 has been issued.

MEL-24-02 provides spares replacement for obsolete 12-volt and 24-volt contactors.

MEL-24-02 provides parts and instructions for replacement of obsolete 12-volt and 24-volt contactors with Lamar contactors.

**COMPLIANCE**

OPTIONAL. This service letter can be accomplished at the discretion of the owner.

**LABOR HOURS**

Not applicable

**WARRANTY**

Not Applicable

**NOTE:** As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the "Customer Access" link at [www.cessnasupport.com](http://www.cessnasupport.com) to register.

This owner advisory will not be mailed to airplane owners. It is provided as an attachment to this service letter.



**TITLE**

28-VOLT STARTER CONTACTOR REPLACEMENT

**EFFECTIVITY**

<u>Model</u>	<u>Year</u>	<u>Serial Numbers</u>
337	1965	337-0002 thru 337-0239
337A	1966	337-0240 thru 337-0305
337A	1966	337-0307 thru 337-0469
337A	1966	337-0471 thru 337-0525
337B/T337B	1967	337-0526 thru 337-0568
337B/T337B	1967	337-0570 thru 337-0755
337B/T337B		337-0001, 337-0470
337C/T337C	1968	337-0756 thru 337-0978
337D/T337D	1969	337-0979 thru 337-1193
337E/T337E	1970	33701194 thru 33701316
337F/T337F	1971	33701317 thru 33701398
T337F		33700569
337F	1972	33701399 thru 33701448
337F	1972	33701450 thru 33701462
337F		33700306
337G	1973	33701463 thru 33701550
337G	1974	33701551 thru 33701606
337G	1975	33701607 thru 33701671
337G	1976	33701672 thru 33701748
337G	1977	33701749 thru 33701815
337G		33701449
337H/T337H	1978	33701816 thru 33701853
337H/T337H	1978	33701855 thru 33701874
337H/T337H	1979	33701875 thru 33701908
337H/T337H		33701854
F337E/FT337E	1970	F33700001 thru F33700024

# SERVICE KIT

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**SK337-74**

F337E/FT337E	1971	F33700025 thru F33700045
F337E/FT337E	1972	F33700046 thru F33700055
F337G	1973	F33700056 thru F33700063
F337G	1974	F33700064 thru F33700071
F337G	1975	F33700072 thru F33700076
F337G	1976	F33700077 thru F33700079
F337G	1977	F33700080 thru F33700084
F337H	1978	F33700085 thru F33700086
FT337GP	1973	FP33700001 thru FP33700008
FT337GP	1974	FP33700009 thru FP33700013
FT337GP	1975	FP33700014 thru FP33700015
FT337GP	1976	FP33700016 thru FP33700017
FT337GP	1977	FP33700018 thru FP33700022
FT337HP	1978	FP33700023
P337H	1978	P3370293 thru P3370318
P337H	1979	P3370319 thru P3370341
T337G	1973	P3370001 thru P3370148
T337G	1974	P3370149 thru P3370193
T337G	1975	P3370194 thru P3370195
T337G	1975	P3370197 thru P3370225
T337G	1976	P3370226 thru P3370257
T337G	1977	P3370258 thru P3370292

## DESCRIPTION

To provide a spares replacement for the 28-volt starter contactor.

## APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

For Reims Aviation Airplanes: DGAC approval has not been obtained on technical data in this publication. The affected "F" model and serial number airplanes are included for informational purposes. DGAC approval must be obtained for Reims airplanes prior to installation.

## CHANGE IN WEIGHT AND BALANCE

Negligible

# SERVICE KIT

SK337-74

## MATERIAL INFORMATION

The parts below cover installation for one airplane.

NEW P/N	QUANTITY	DESCRIPTION	OLD P/N	DISPOSITION
SK337-74	1	Kit, consisting of the following parts:		
P52-0016	2	28-Volt Starter Contactor	S1577-1, S1577A1, 8781-8	Discard
	1	Instructions		

## ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
  - A. Make sure that all switches are in the OFF/NORM position.
  - B. Remove the upper left engine cowl.
  - C. Disconnect electrical power from the airplane.
    - (1) Disconnect the airplane battery.
    - (2) Disconnect external electrical power.
  - D. Attach maintenance warning tags to the battery and external power receptacle that have "**DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**" written on them.

**CAUTION:** Do not use the P52-0016 28-Volt Starter Contactor to replace contactors in the airplane other than those in the starter system. If you replace a contactor other than a starter contactor with the P52-0016 28-Volt Starter Contactor, damage to the equipment will occur.

2. Get access to the 28-volt starter contactors on the left side of the forward engine firewall. (Refer to the applicable sections of the Service Manual.)

**NOTE:** To find the contactors, you can follow the starter power cable from the starter to the contactor.

3. (Refer to Figure 1.) Remove and discard the 28-volt starter contactors. Keep the attaching hardware. (Refer to the applicable sections of the Service Manual.)
4. With the kept attaching hardware, install the two new P52-0016 28-Volt Starter Contactors. (Refer to the applicable sections of the Service Manual.)

**CAUTION:** Make sure that you install the wires to the same contactor mount bolts as shown in Figure 1. If you install the wires in a different configuration than the one shown in Figure 1, damage to the contactor and the equipment will occur.

- A. As you install each of the two contactors, install the loose end of the ground wire that is attached to the contactor under one of the contactor mount bolts to provide a ground for the contactor coil.

**CAUTION:** If the airplane has a diode wire, do not replace the diode wire with a standard ground wire. If you replace the diode wire with a standard ground wire, damage to the starter contactor will occur.

**CAUTION:** If the airplane has a diode wire, do not install the diode wire on the same connector stud with the ground wire. If you install the diode wire and the ground stud wire on the same connector stud, damage to the starter contactor will occur.

- B. If the airplane has a diode wire, install it on the new starter contactor. But, install it on a different connector stud than the one on which the ground stud wire is installed.

# SERVICE KIT

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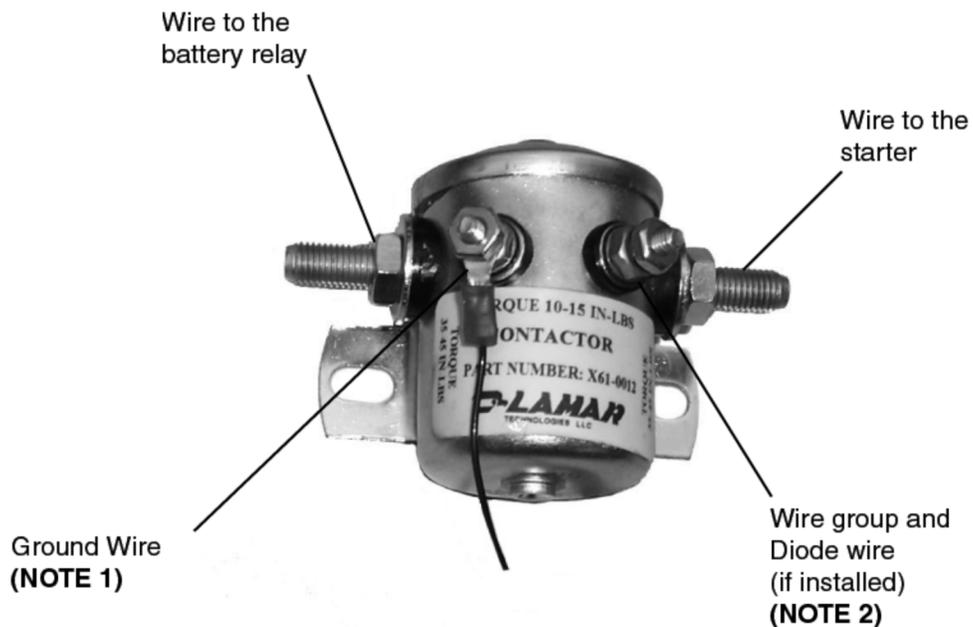
**SK337-74**

5. Install the upper left engine cowl.
6. Remove maintenance warning tags and connect the airplane battery.
7. Make an entry in the airplane logbook stating this service kit has been installed.

# SERVICE KIT

SK337-74

A61282



**NOTE 1:** Install the ground wire to this stud.

**NOTE 2:** Do not install the ground wire to this stud, or damage to the starter contactor will occur.

Figure 1. 28-Volt Starter Contactor Replacement (Sheet 1)



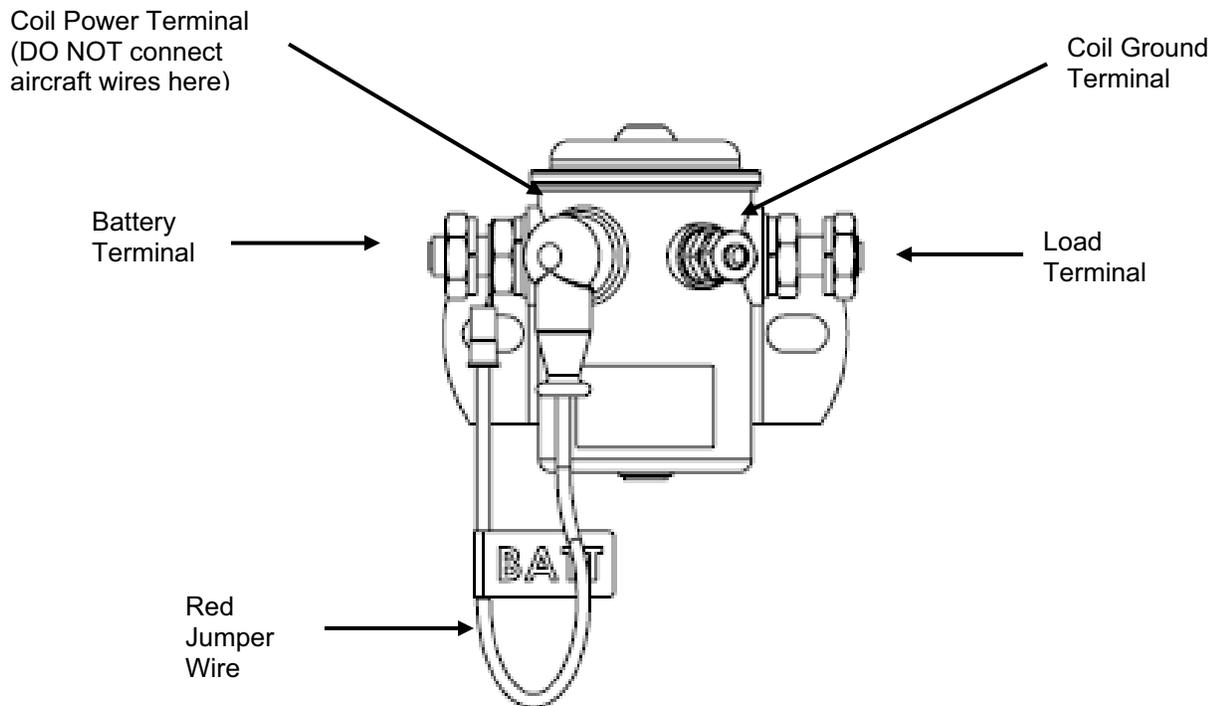
**SUBJECT:** This letter is to provide wiring installation instructions for Lamar P/N P52-0034-1 (12V Contactor kit) and Lamar P/N P52-0035-1 (24V Contactor kit) as a replacement for the Cessna P/N S1579 (12V) and S1580 (24V) contactors. These instructions shall be printed and distributed in the packaging with each contactor kit.

**REASON:** To provide clarification of contactor terminal definition for installing on aircraft.

**INFORMATION:** Reference Figure shown below. The Lamar contactor kit will come with a red jumper wire installed from the Battery Terminal to the Coil Power Terminal. This jumper shall convert a 4 terminal contactor for replacement of a 3 terminal contactor. 3 terminal contactors (S1579 and S1580) have this connection inside the contactor without a coil power terminal. Aircraft wiring must control (on or off) the contactor coil through the Coil Ground Terminal and not have any wires (except jumper) attached to the Coil Power Terminal.

For technical support call Cessna Customer Care at 316-517-5800

**FIGURE:**





**SUBJECT:** This letter is to provide wiring installation instructions for Lamar P/N P52-0033 (12V Intermittent Duty Contactor kit) and Lamar P/N P52-0034 (12V Continuous Duty Contactor kit) as a replacement for the Cessna P/N S1991 (Intermittent Duty) and S1660 (Continuous Duty) contactors. These instructions shall be printed and distributed in the packaging with each contactor kit.

**REASON:** To provide clarification of contactor terminal definition for installing on aircraft.

**INFORMATION:** Reference Figure shown below. The Lamar contactor kit will come with a black jumper wire with one end installed on the Coil Ground Terminal. This jumper when connected to the airframe ground (as shown) shall convert a 4 terminal contactor for replacement of a 3 terminal contactor. 3 terminal contactors (S1991 and S1660) have this connection inside the contactor without a Coil Ground Terminal. Aircraft wiring must control (on or off) the contactor coil through the Coil Power Terminal and not have any wires (except jumper) attached to the Coil Ground Terminal.

**For technical support call Cessna Customer Care at 316-517-5800**

**FIGURE:**

