



☐ URGENT

☐ ROUTINE

☐ MANDATORY

☒ INFORMATIONAL

OK 12-4-74

# Service Bulletin

DATE 18 November 1974

NUMBER 2939 40002

ATTENTION: SERVICE MANAGER AND OWNERS

GROUP

39

**DESCRIPTION** This Service Bulletin modifies the domestic battery charging input and ground circuitry by replacement of the converter fuse with a brass conducting link (slug) and installation of a 40 ampere circuit breaker (thermal-reset type) in the battery ground line. This modification minimizes the affects of high current spikes emmiting from the converter during APU starting or stopping.

SUBJECT

MODIFICATION OF  
DOMESTIC BATTERY  
CHARGING AND  
GROUND CIRCUITRY

**COMPLIANCE** Dealers should comply with this bulletin prior to delivery of coach to owner. Present owners should return coach to dealer for this modification as soon as practicable.

MODEL (S)  
AFFECTED

00001 to 00645  
2900R  
MOTOR HOME  
AND  
2900C  
CLUB COACHES

**MANPOWER** Estimated accomplishment time for one mechanic is one hour.

**WARRANTY REIMBURSEMENT** FMC Motor Coach Division will allow a maximum of one labor hour and reimbursement for Kit 5106857-R001 on a properly submitted Warranty Claim (Form RVD 69) for this modification. Authorization for dealers to proceed must be obtained from the Motor Coach Division Service Department prior to performing the work.

(Factory Use Only)  
Information  
added to:

## KIT CONTENTS (5106857-R001)

OWNER MANUAL (S)

ITEM NO.

MCD P/N

QTY PER  
COACH

SERVICE MANUAL (S)

PARTS MANUAL (S)

WARRANTY MANUAL (S)

OTHER

- |                               |                      |   |
|-------------------------------|----------------------|---|
| 1. Link, conducting           | 5106857              | 1 |
| 2. Circuit breaker (40amp)    | M-15258              | 1 |
| 3. Nut (CB stud)              | M-17172              | 2 |
| 4. Lockwasher (CB stud)       | M-17171              | 2 |
| 5. Screw (CB attach)          | M-14251              | 2 |
| 6. Nut (CB attach screw)      | M-17052              | 2 |
| 7. Lockwasher (CB attach nut) | M-17047              | 2 |
| 8. Screw (Gnd cable attach)   | M-18061              | 1 |
| 9. Nut (Gnd attach screw)     | M-17040 (or M-17070) | 1 |
| 10. Lockwasher (Gnd nut)      | M-17144              | 1 |
| 11. Cable assy (batt-to-CB)   | 5106858-01           | 1 |
| 12. Cable assy (CB-to-gnd)    | 5106858-02           | 1 |

ECHLIN # CB 6378



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<u>ACCOMPLISHMENT INSTRUCTIONS</u>  1. Remove AC power from coach (APU inoperative and service line disconnected). Turn off all DC operated domestic components and position the refrigerator thermostat knob to the "OFF" position.  2. Replace converter 50 ampere fuse with conducting link (item 1) as follows:  <u>a.</u> Gain access to converter bus fuse clips by opening the hinged access door on the front of the converter.  <u>b.</u> Locate and remove 50 amp fuse (largest fuse in converter).  <u>c.</u> Insert conducting link (Item 1) in fuse-holder clips then solder in place at both upper and lower clip.  <u>d.</u> Close converter access door.  3. Modify the forward domestic battery ground lead as follows:  <u>a.</u> Remove access cover from domestic battery compartment.  <u>b.</u> Loosen cable clamp nut and using a screw type cable puller, disconnect existing ground lead from forward battery negative terminal and cut off at opposite end at the ground screw on the inboard wall of the battery compartment; discard lead.  NOTE Do not remove the smaller white lead (refrigator ground) from the ground screw; retighten ground screw/nut with white lead remaining connected.  <u>c.</u> See Figure 1. Install circuit breaker as shown with the copper terminal stud out-board, on forward wall of compartment by attaching through existing vent slot with two screws (item 5), two lockwashers (item 7) and two nuts (item 6).		SUBJECT
		MODEL (S) AFFECTED
		(Factory Use Only) Information added to:
		OWNER MANUAL (S)
		SERVICE MANUAL (S)
		PARTS MANUAL (S)
		WARRANTY MANUAL (S)
		OTHER



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FIGURE 1. MODIFICATION OF DOMESTIC BATTERY GROUND LEAD





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<p><u>d.</u> Drill 1/4 inch diameter hole in forward wall of battery compartment about 4 inches to the inboard and slightly lower than circuit breaker. Grind or sand off area around hole to insure good ground connection for next step.</p> <p><u>e.</u> Attach the 1/4 inch ID ring end of cable assembly (item 12) to mount hole drilled in previous step, with screw (item 8), lockwasher (item 10) and nut (item 9).</p>	SUBJECT
<p><u>f.</u> Attach opposite end of cable (item 12) to inboard terminal stud of circuit breaker with lockwasher (item 4) and nut (item 3).</p> <p><u>g.</u> Attach the ring end of cable assembly (item 11) to the outboard (copper) terminal stud of the circuit breaker with lockwasher (item 4) and nut (item 3).</p>	MODEL (S) AFFECTED
<p><u>h.</u> Install cable (item 11) terminal clamp on negative post of the forward battery and tighten clamp nut.</p>	(Factory Use Only) Information added to:
<p><u>i.</u> Coat cable clamp with light mineral grease.</p>	OWNER MANUAL (S)
<p><u>j.</u> Install cover over battery compartment.</p>	SERVICE MANUAL (S)
<p><u>k.</u> Start APU to energize the system and check that components in the affected circuit operate.</p>	PARTS MANUAL (S)
<p style="text-align: center;">CAUTION</p> <p>If domestic batteries have been left disconnected for an extensive period and AC power has not been applied during the interval, the refrigerator warms up to a point where it will draw excessive DC current when initially energized by the reconnected batteries. To prevent excessive battery drain due to the above reason, after modification is completed, apply AC power to the coach then position refrigerator thermostat to the number "3" setting and operate until the unit cycles off. Setting the refrigerator thermostat</p>	WARRANTY MANUAL (S)
	OTHER



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Motor Coach Division  
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ATTENTION: SERVICE MANAGER	GROUP
<p style="text-align: center;">CAUTION (CONT.)</p> <p>to "3" and driving the coach for approximately two hours immediately following reconnection of the domestic batteries will also prevent excessive battery drain, as the automotive alternator will then be providing the refrigerator operating voltage.</p> <p style="text-align: center;"><i>Max L. Snavely</i> MAX L. SNAVELY Service Manager</p>	SUBJECT
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	OTHER