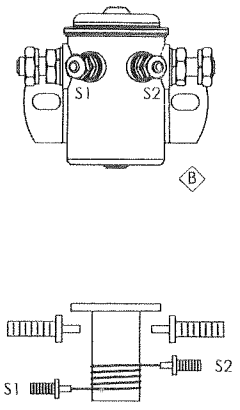
INSTALLATION INSTRUCTIONS:

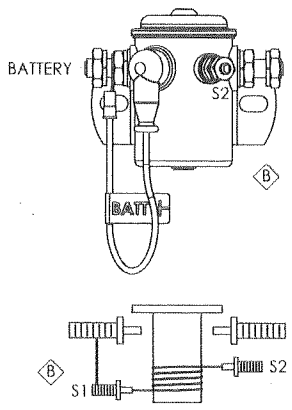
1. REMOVE WIRES AND ATTACHING HARDWARE FROM OLD CONTACTOR
2. (E) REMOVE THE OLD CONTACTOR AND MOUNT THE NEW CONTACTOR IN ITS PLACE USING NEW OR EXISTING MOUNTING HARDWARE. FOR STARTER CONTACTOR INSTALLATION, ENSURE THAT THE GROUND (GND) WIRE IS ATTACHED TO THE CONTACTOR MOUNTING STUD/BOLT TO PROVIDE A SUITABLE GROUND PATH.
3. (B) IN SOME OLDER INSTALLATIONS, THE RING TERMINALS ON THE LARGE WIRES MAY BE TOO SMALL TO FIT ON THE LARGE TERMINALS OF THE NEW CONTACTOR. IN THIS CASE, REPLACE THE OLD RING TERMINALS WITH THE CORRECT SIZE.
4. (B) SLIP THE RING TERMINAL OF THE NEGATIVE SWITCHING CIRCUIT WIRE ONTO THE "S" TERMINAL OF THE NEW CONTACTOR AND SECURE WITH PROVIDED HARDWARE. TORQUE TO 20 IN-LBS.
5. (B) SLIP THE RING TERMINALS OF THE LOAD AND BATTERY WIRES ONTO THE RESPECTIVE TERMINALS OF THE NEW CONTACTOR. FOR MASTER (BATTERY) CONTACTOR INSTALLATION, ENSURE THAT THE WIRE FROM THE BATTERY + TERMINAL IS ATTACHED TO THE CONTACTOR TERMINAL LABELED "BATTERY". SECURE THE WIRES WITH THE HARDWARE PROVIDED AND TORQUE THE NUTS TO 40 IN-LBS: **ALWAYS BACKING UP THE NUT CLOSE TO THE CONTACTOR BODY WITH A WRENCH WHILE TIGHTENING THE OUTER NUT.**
6. (B) WHEN REPLACING A MASTER CONTACTOR THAT IS A 4-TERMINAL DESIGN WITH THE STS-M12 OR STS-M24, REMOVE THE PRE-INSTALLED JUMPER FROM THE STS-M12 OR STS-M24 AND INSTALL THE NEW CONTACTOR USING THE SAME SWITCHING CIRCUIT CONFIGURATION OF THE REPLACED CONTACTOR.
7. (E) WHEN REPLACING A STARTER CONTACTOR THAT IS A 4-TERMINAL DESIGN WITH THE STS-S12 OR STS-S24, REMOVE THE PRE-INSTALLED JUMPER FROM THE STS-S12 OR STS-S24 AND INSTALL THE NEW CONTACTOR USING THE SAME SWITCHING CIRCUIT CONFIGURATION OF THE REPLACED CONTACTOR.
8. (D) FOR CONTINUED AIRWORTHINESS: NO PERIODIC INSPECTION OR MAINTENANCE IS REQUIRED.

REVISIONS				
REV.	ECN	DESCRIPTION	APPROVED	DATE
A	123726	1) TITLEBLOCK AND FORMAT WAS SKYTEC, 2) DESCRIPTION WAS "SOLENOID.", 3) REMOVED LABEL GRAPHIC, 4) MADE CONTINUED AIRWORTHINESS INSTRUCTIONS INTO NOTE 7	OKQ	11/14/16
B	125481	1) UPDATED VIEWS OF CONTACTORS, 2) REVISED STEPS 3-6, (3) UPDATED STS-M12 AND STS-M24 SCHEMATIC	LWE	10/10/17
C	947	1) TITLEBLOCK AND FORMAT WAS HET	RSHall AS	12/15/17
D	948	1) REVISED NOTE 7	RSHall AS	12/22/17
E	970	1) UPDATED VIEWS OF STARTER CONTACTORS 2) REVISED STEP 2, ADDED NEW STEP 7, STEP 8 WAS 7 3) UPDATED STS-S12 AND STS-S24 SCHEMATIC	RSHall AP	10/15/18

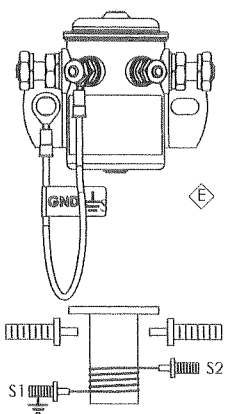
STS-A12 / STS-A24



STS-M12 / STS-M24



STS-S12 / STS-S24



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CONTACTORS			
P/N	VOLTAGE	DUTY	APPLICATION
STS-A12	12	CONTINUOUS	GEN. SWITCH
STS-A24	24	CONTINUOUS	GEN. SWITCH
STS-M12	12	CONTINUOUS	BATTERY MASTER
STS-M24	24	CONTINUOUS	BATTERY MASTER
STS-S12	12	INTERMITTENT	STARTER
STS-S24	24	INTERMITTENT	STARTER

APPLICATION: SEE PMA LISTING

Lamar Technologies LLC
14900 40TH AVENUE NE
MARYSVILLE, WA 98271

CONTACTOR INSTALLATION INSTRUCTIONS

DRAWN	OKQ	11/14/16
CHECK	K.NORD	11/14/16
APPR	K.NORD	11/14/16

SIZE: B | CAGE CODE: 3RCD2 | DWG NO: ST80001 | REV: E
SIMILAR PART: N/A | SCALE: 1:2 | SHEET 1 OF 1