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NUMERO DE CODE CTD: VOIR TABLEU.
[CTD PART NO.: SEE CHART.]

FOURNISSEUR: XX OU EQUIVALENT AGREE PAR LE SERVICE ENGINEERING.
[SUPPLIER: XX OR ENGINEERING APPROVED EQUIVALENT.]

NUMERO DE PIECE FOURNISSEUR: NUMERO DE CODE CTD.
[SUPPLIER PART NO.: SAME AS CTD PART NUMBER.]

INITIAL MODEL: VECTOR S15

SPECIFICATIONS:
[SPECIFICATIONS:]

1.0 APPLICATION SPECIFIQUE: EQUIPEMENT DE REFRIGERATION DE TRANSPORT.
[SPECIFIC APPLICATION: TRANSPORT REFRIGERATION EQUIPEMENT.]

2.0 MATIERE: PAPIER.
[MATERIALS: PAPER.]

3.0 EPAISSEUR: 80 GR/M2.
[THICKNESS: 80GR PER SQUARE METER.]

4.0 COULEUR MATIERE: BLANC.
[MATERIAL COLOR: WHITE.]

5.0 IMPRESSION: NOIRE EN RECTO VERSO.
[PRINTING: BLACK ON BOTH SIDES.]

6.0 PROPRETE: LE DOCUMENT DOIT ETRE PROPRE ET SANS CONTAMINANTS.
[CLEALINESS: THE DOCUMENT MUST BE CLEAN AND FREE OF CONTAMINANTS.]

7.0 MARQUAGE: LE NUMERO DE CODE CTD DOIT ETRE MARQUE SUR L'EMBALLAGE.
[MARKING: CTD PART NO. (SEE CHART) INCLUDING REVISION LETTER MUST BE MARKED ON SHIPPING CONTAINER. IN ADDITION, THE PART(S) SHIPPING CONTAINER(S) MUST BE MARKED IN ACCORDANCE WITH U.S. CODE OF FEDERAL REGULATION (CFR) 19-S, PARTS 134, COUNTRY OF ORIGIN MARKING REQUIREMENTS.]

8.0 EMBALLAGE: DOIT PROTEGER EFFICACEMENT LES PRODUITS CONTRE LES
POUSSIERES, L'HUMIDITE ET LES CHOCS DU AU TRANSPORT.
[PACKAGING: MUST BE ADEQUATE TO PROTECT PARTS FROM SHIPPING DAMAGE, DIRT AND CORROSIVE ELEMENTS.]

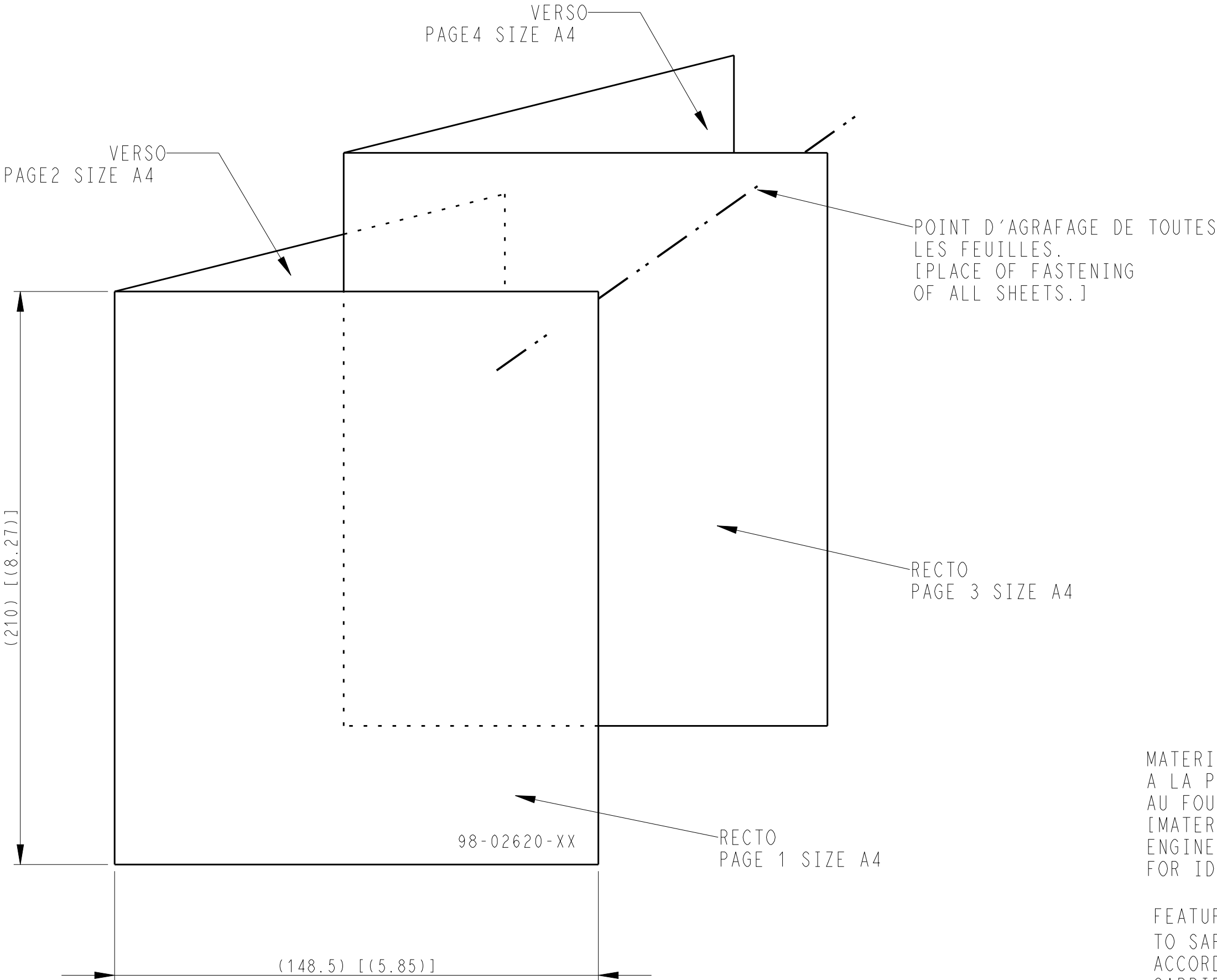
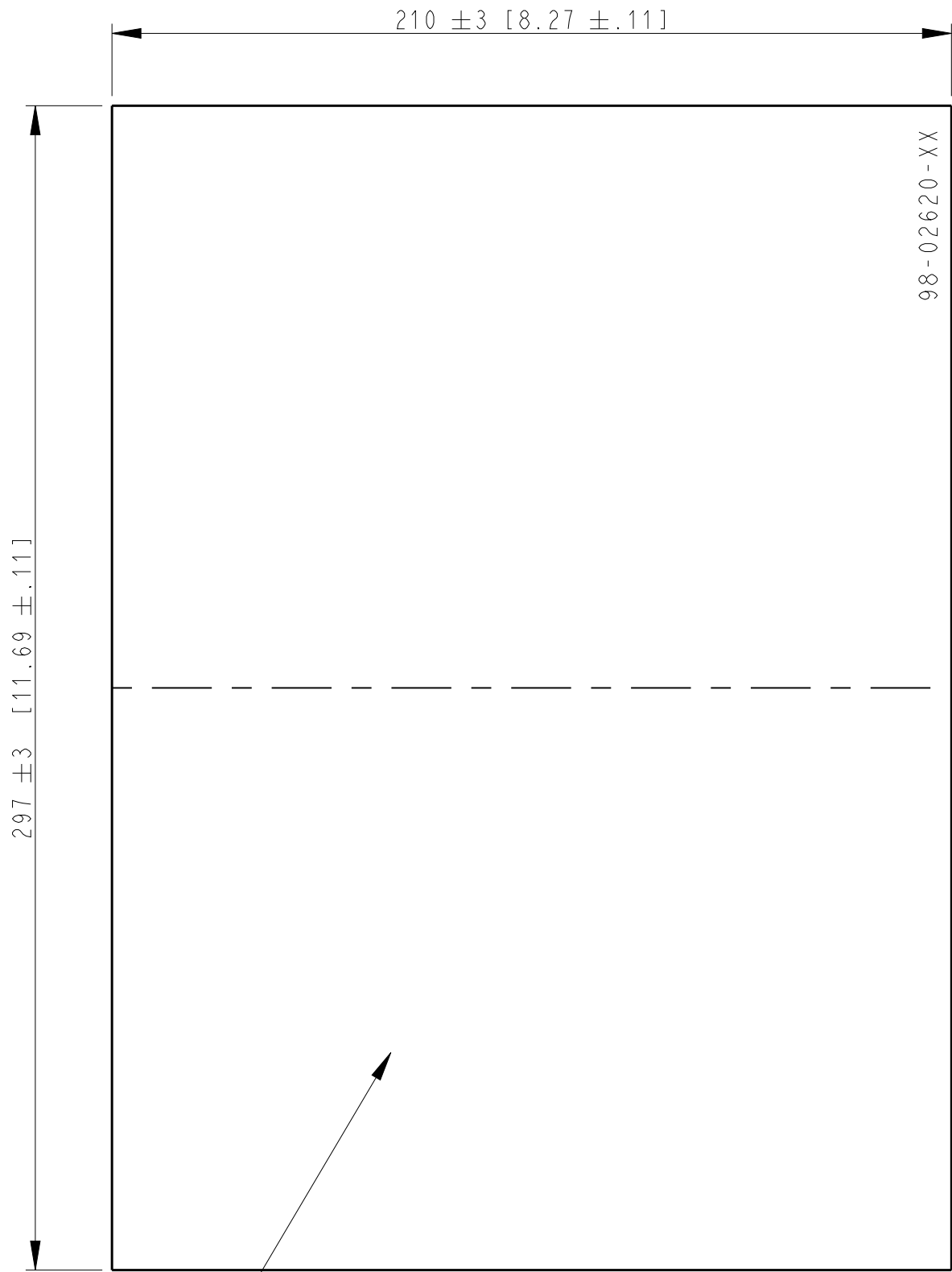
MATERIAUX DANGEREUX : IL EST DEMANDE AU FOURNISSEUR DE SE CONFORMER A LA PROCEDURE 57-00765 "MATERIAUX DANGEREUX, EXIGENCES APPLICABLES AU FOURNISSEUR POUR LEUR IDENTIFICATION ET LEUR ELIMINATION".
[MATERIAL OF CONCERN : THE SUPPLIER IS REQUIRED TO COMPLY WITH CTD ENGINEERING REQUIREMENT 57-00765, MATERIAL OF CONCERN, SUPPLIER CRITERIA FOR IDENTIFICATION & ELIMINATION.]

FEATURES IDENTIFIED WITH THE SYMBOL [AMC] HAVE BEEN IDENTIFIED AS CRITICAL TO SAFETY, FUNCTIONALITY, OR PRODUCIBILITY AND ARE TO BE MANAGED ACCORDING TO AN APPROVED ALTERNATE MEANS OF CONTROL AS DEFINED IN CARRIER REFRIGERATION ENGINEERING SUPPLIER REQUIREMENTS DOCUMENT 57-00869-00

CTD GLOBAL DESIGN & DRAFTING STANDARD 13.94 DESCRIBES ⊗, △ AND △ SYMBOLS AS DENOTING FEATURES CRITICAL WITH RESPECT TO FIT, FORM AND SIZE. THESE FEATURES MUST BE CONTROLLED PER REQUIREMENTS OF THE SUPPLIER QUALITY MANUAL AND / OR OPERATIONS PROCESS CERTIFICATION STANDARD WORK.

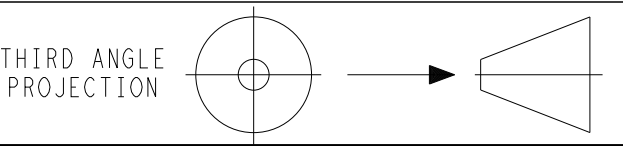
AUCUN CHANGEMENT DE LA PIECE DEFINIE DANS CE PLAN (SUR LA BASE D'UN ECHANTILLON QUALIFIE ET/OU DE SPECIFICATIONS DETAILLES, ARCHIVES AU BUREAU D'ETUDES DE CTD) NE PEUT ETRE AUTORISE SANS L'ACCORD DU SERVICES ACHATS DE CTD.)

NO DEVIATION FROM THE CONTRUCTION DEFINIED BY AN APPROVED SAMPLE AND/OR DETAILED SPECIFICATION (ON FILE IN CTD ENGINEERING DEPARTMENT) WILL BE MADE WITHOUT APPROVAL FROM CTD PURCHASING DEPARTMENT.)



PAGE DE GARDE, NE PAS IMPRIMER
[FRONT PAGE, DO NOT PRINT]

G	UPDATED INSTRUCTION. ADDED THIS SHEET.	12 MAR 2024	LT-VS			1179456
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS SHOWN ARE IN MILLIMETERS, WITH IMPERIAL CONVERSIONS IN [INCHES]

TITLE	INSTALLATION INSTRUCTION APX REMOTE DISPLAY PANEL	DRAWING NO.	98-02620	REV	6
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SUPERSEDES: _____

PART CLASSIFICATION: US EAR99

DRAWING CLASSIFICATION: US



98-02620



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CTD PART NUMBER	DESCRIPTION
98-02620-00	CON PANEL ICP SURF
98-02620-01	CON PANEL ICP FLUSH

APX REMOTE DISPLAY PANEL INSTALLATION INSTRUCTIONS

FOR MODEL VECTOR 1350 & SUPRA HE

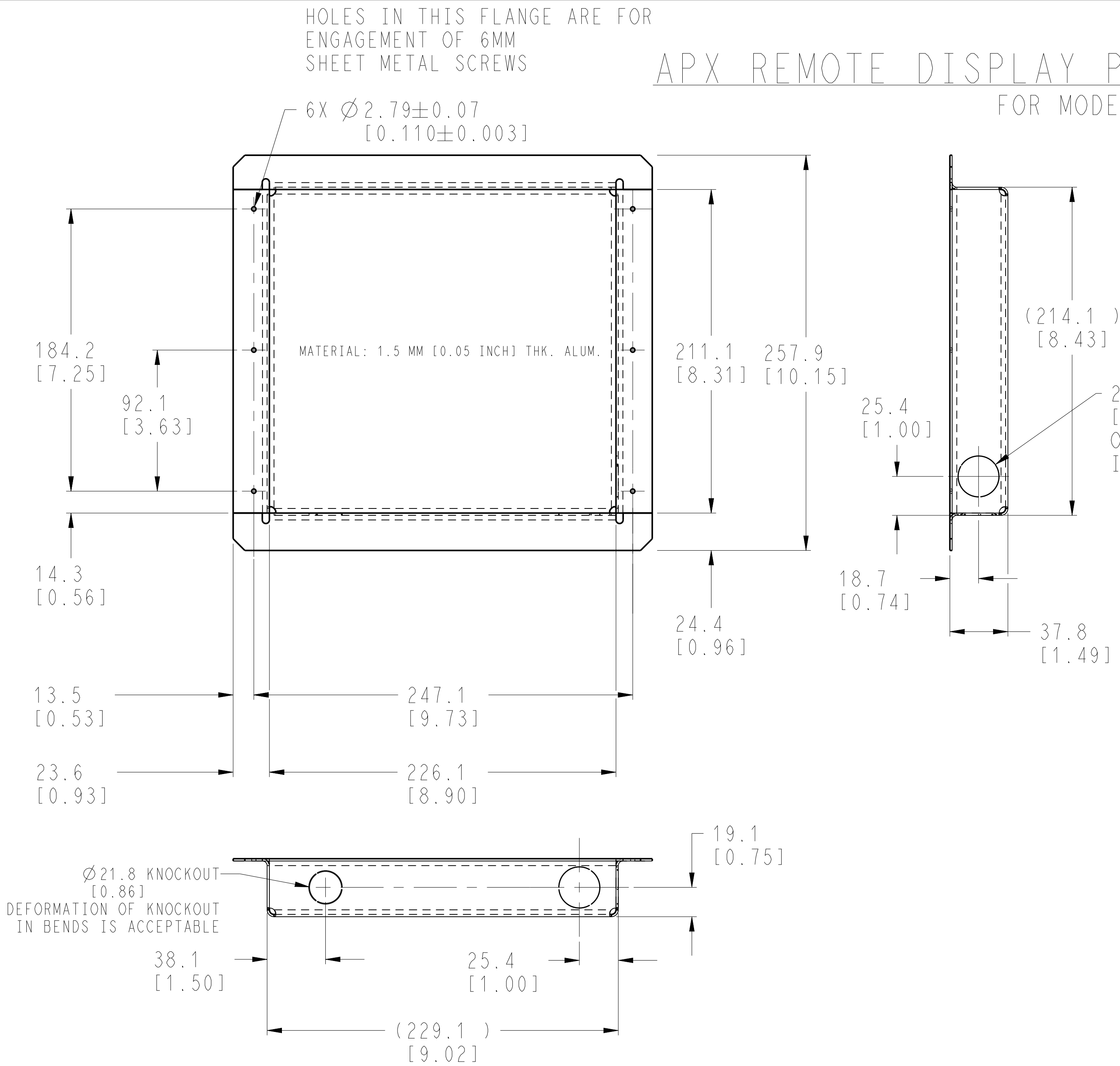


FIGURE 1 - FLUSH MOUNT REMOTE PANEL MOUNTING PATTERN

PANEL INSTALLATION:

- 1.0 PREPARATION; READ THIS ENTIRE NOTE BEFORE PROCEEDING - THE APX REMOTE PANEL CAN BE INSTALLED EITHER INSIDE OR OUTSIDE THE TRAILER. SELECT LOCATION FOR MOUNTING AND PREPARE THE SURFACE PER THE DIMENSIONS ABOVE. FOR TRAILER MANUFACTURER PREPARATION, FOR THE FLUSH MOUNT TYPE THERE IS ALSO A REAR PROTECTIVE COVER AVAILABLE FOR INSTALLATION BEFORE THE REMOTE PANEL IS INSTALLED (SEE FIGURE 3).

CAUTION
WHEN USING THE SHEETMETAL REAR COVER, CUT THE OPENING IN THE TRAILER WALL AS CLOSE TO THE DIMENSIONS REQUIRED AS POSSIBLE, OPENINGS THAT ARE TOO LARGE CAN CAUSE INADEQUATE WALL MATERIAL FOR THE PANEL MOUNTING SCREWS OR SEALING IT TO THE WALL. INSTALLATIONS NOT USING THE SHEETMETAL POCKET SHOWN HERE: AN OPENING SLIGHTLY SHORTER IN HEIGHT CAN BE USED. FOR BEST FIT AND PROPER SEALING ACROSS THE TOP OF THE REMOTE PANEL, USE THE REMOTE PANEL AS A TEMPLATE BY LOCATING IT IN THE CUT OPENING AS HIGH AS IT WILL GO, THEN MARKING THROUGH THE MOUNTING HOLES ONTO THE WALL FOR DRILLING.

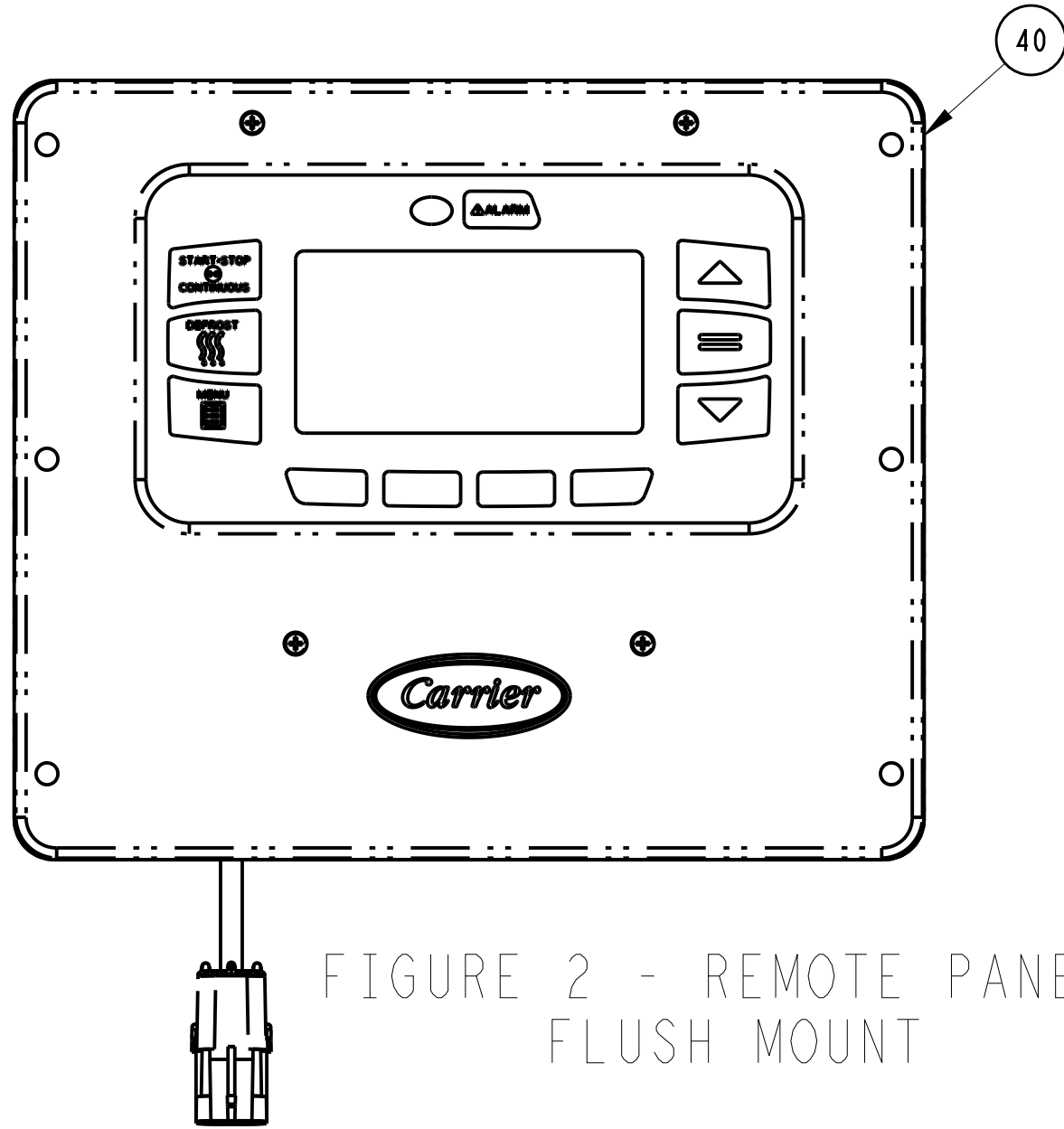


FIGURE 2 - REMOTE PANEL
FLUSH MOUNT

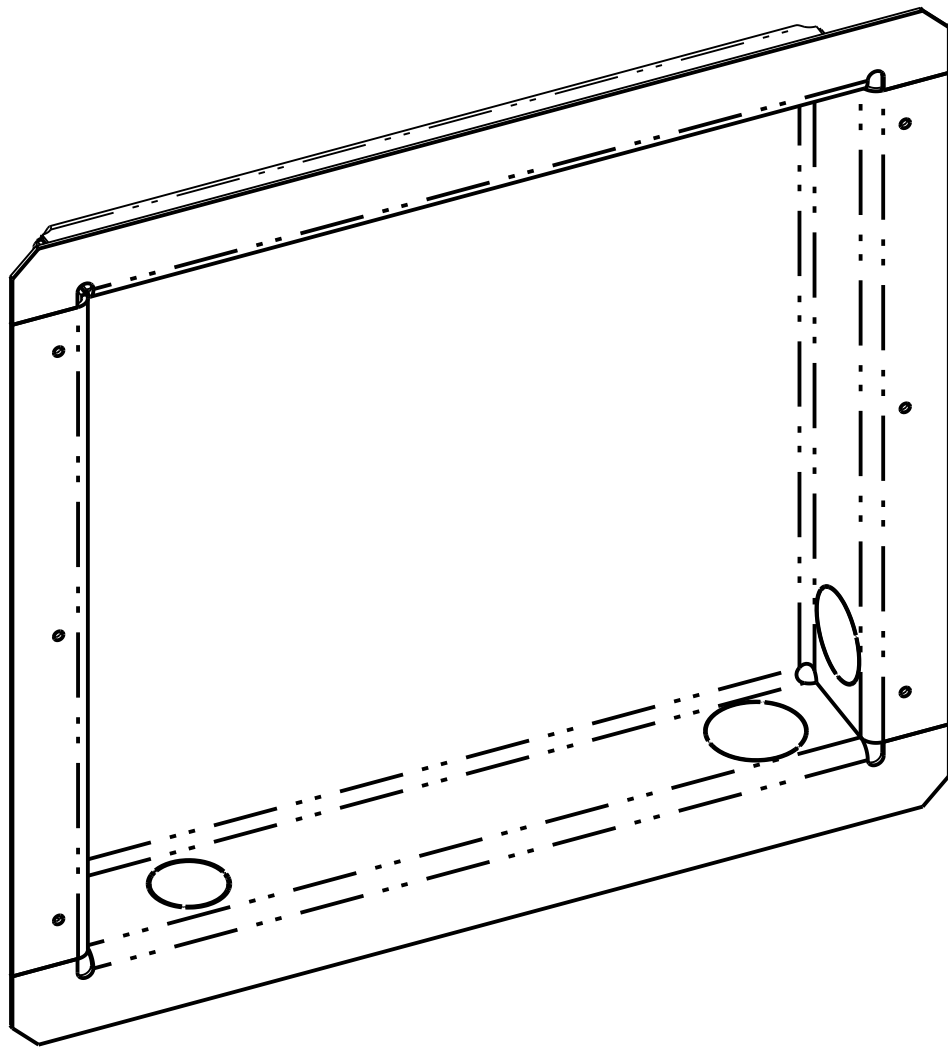


FIGURE 3 - REAR PROTECTIVE COVER
(PART NO. 68-17569-00)

- 2.0 DRAIN TUBE - ROUTE A 12.7mm PVC DRAIN TUBE FROM THE BOTTOM OF THE REMOTE PANEL CUT-OUT AREA DOWN OUT OF THE BOTTOM OF THE TRAILER. IF THE SHEETMETAL POCKET (CTD P/N 68-17569-00) IS USED INSIDE THE WALL, A 21.8mm DIA. KNOCKOUT IS PROVIDED IN THE LOWER LEFT BOTTOM OF THE POCKET FOR A 12.7mm CONDUIT FITTING & NUT. THE FITTING THREADED LENGTH INTO THE POCKET SHOULD BE SHORTENED TO ASSURE REASONABLE WATER DRAINAGE.

CAUTION
DO NOT TIE WRAP OR SECURE WIRING OR CABLES TO FUEL LINES OR HIGH VOLTAGE WIRING (VECTOR MODELS). FIRE OR ELECTRICAL SHOCK CAN OCCUR.

CAUTION
WHEN INSTALLING CABLE BETWEEN TRAILER UNIT AND REMOTE PANEL, ROUTE IN CONDUIT, OR SECURE CABLE WITH TIE WRAPS, ETC. TO AVOID CHAFING, PINCH POINTS, AND ROAD DEBRIS. ALWAYS USE RUBBER GROMMETS TO PROTECT BARE CABLES THROUGH METAL HOLES.

CAUTION
DO NOT ROUTE THE CABLE THROUGH THE EVAPORATOR POD EITHER BY DRILLING OR DISRUPTING THE WIRING GROMMET THROUGH THE POD. THE WIRING CONSISTS OF BOTH HIGH AND LOW VOLTAGE WIRING, WHICH IS UNPROTECTED WITHIN THE GROMMET TO ASSURE SEALING AROUND THE WIRES. FIRE OR ELECTRICAL SHOCK CAN OCCUR.

- 3.0 CONDUIT ROUTING - THE CABLE IS 12.7mm DIA, USE 12.7mm CONDUIT OR LARGER. ROUTE IT FROM EITHER THE BOTTOM OR SIDE OF THE REMOTE PANEL CUT-OUT AREA ALONG INSIDE THE TRAILER WALL (TRAILER OEM) TO AND THROUGH THE FRONT WALL OF THE TRAILER OR OUT THE BOTTOM AND UNDER THE TRAILER TO THE FRONT WALL. THE REMOTE PANEL CONNECTOR AT THE UNIT IS AT THE LOWER ROADSIDE, BEHIND THE MAIN DISPLAY IF THE SHEETMETAL POCKET IS USED INSIDE THE WALL, TWO 26.9mm DIA. KNOCKOUTS ARE PROVIDED IN THE LOWER RIGHT SIDE AND BOTTOM OF THE POCKET FOR A 19mm CONDUIT, FITTING AND NUT.

- 3.1 THE CONTROL PANEL CABLE, AT THE REMOTE PANEL END, SHALL BE SECURED A MAXIMUM DISTANCE OF 50MM AWAY FROM THE CONNECTOR. THIS FIRST CABLE TIE- DOWN AFTER THE CONNECTOR JUNCTION WILL PROVIDE APPROPRIATE VIBRATION SUPPORT.

- 4.0 CABLE ROUTING - ONE END OF THE CABLE HAS 2 - 2-PIN CONNECTORS, THOSE CONNECTORS MUST BE AT THE TRAILER UNIT END OF THE CABLE. SO ROUTE THE CABLE BLUNT END FROM TRAILER FRONT FACE TO THE REMOTE PANEL OPENING.

- 4.1 THE INSTALLER SHALL TAKE APPROPRIATE MEASURES TO PROVIDE PROTECTION FOR THE CABLING FROM UV EXPOSURE AND PHYSICAL DAMAGE. THIS INCLUDES WIRING ATTACHED TO THE DISPLAY.

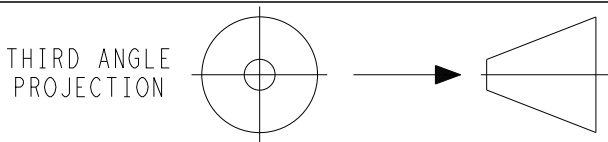
- 5.0 CUT THE CABLE TO LENGTH WITH 305MM OR SO EXTRA. STRIP THE CABLE CASING BACK SO THAT THE (4) WIRES MARKINGS ARE VISIBLE. NOTE THAT THE CABLE CONTAINS 2 TWISTED PAIRS, BOTH CONTAINING A BLACK AND A WHITE WIRE, SO FOLLOW THE MARKINGS ON THE WIRES AND TAKE CARE NOT TO MIX UP THE WIRES WHILE TERMINATING. FOLLOWING THE WIRE CHART ON SHEET 2, TERMINATE THE WIRES AND INSTALL THE 4-PIN CONNECTOR.

CAUTION
REMOTE PANEL MUST BE INSTALLED USING A QUALITY SEALANT BETWEEN IT AND THE TRAILER WALL TO ASSURE NO MOISTURE CAN PENETRATE INTO THE WALL CAVITY.

- 6.0 LAY THE REMOTE PANEL DOWN ON A FLAT SURFACE, FACE DOWN. APPLY A BEAD OF QUALITY SILICONE SEALANT (SIKAFLEX 221 IS RECOMMENDED) AROUND THE PERIPHERY OF THE BACK OF THE FACE PLATE AND MOUNTING HOLES, FOR SEALING TO WALL.
- 7.0 CONNECT THE CABLE CONNECTOR TO THE REMOTE PANEL CONNECTOR, AND INSTALL THE PANEL INTO THE TRAILER WALL; THE REMOTE PANEL SHOULD BE SECURED IN ITS MOUNTED POSITION WITH (6) 6MM SELF TAPPING STAINLESS STEEL SCREWS.
- 8.0 ONCE INSTALLED, CLEAN AROUND PERIPHERY OF THE REMOTE PANEL TO REMOVE ANY EXCESS SEALANT, WHILE ASSURING THE EDGE SEAM TO THE MOUNTING SURFACE IS SEALED COMPLETELY AROUND THE PANEL EDGES.

SHEET INDEX	REV	6	E	F	G	F
	SHEET	1	2	3	4	5

G	ADDED BARCODE. UPDATED SHEET INDEX. SEE SHEET 4.	12 MAR 2024	LT-VS			1179456
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



UNLESS OTHERWISE SPECIFIED ALL
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WITH IMPERIAL CONVERSIONS IN [INCHES]

TITLE
INSTALLATION INSTRUCTION
APX REMOTE DISPLAY PANEL

DRAWING NO.
98-02620

REV
6

SHEET 1 OF 5

SUPERSEDES:

PART CLASSIFICATION: US EAR99

DRAWING CLASSIFICATION: US EAR99

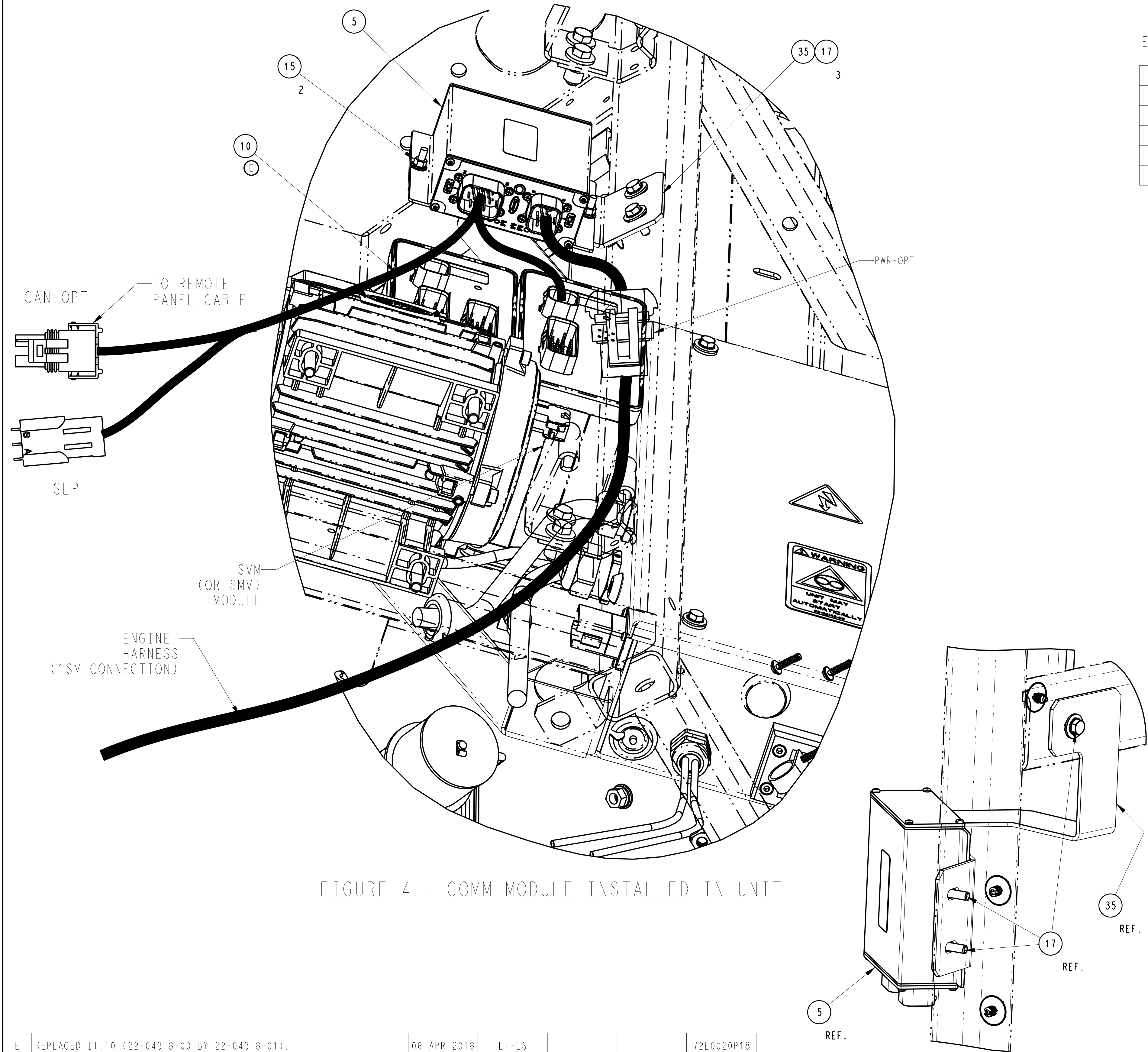


FIGURE 4 - COMM MODULE INSTALLED IN UNIT

EXTENSION CABLE CONNECTIONS:

CABLE CONNECTIONS: PANEL END		
4-PIN CONN.	COLOR/MARKING	DESCR.
A	BLK1	CAN--
B	WHT1	CAN+
C	BLK2	PWR--
D	WHT2	PWR+

CABLE CONNECTIONS: REFER UNIT END		
2; 2-PIN CONNS	COLOR/MARKING	DESCR.
3RPA	BLK1	CAN--
3RPB	WHT1	CAN+
6RPA	BLK2	PWR--
6RPB	WHT2	PWR+

COMM MODULE INSTALLATION:



CAUTION
DO NOT TIE WRAP OR SECURE WIRING OR CABLES TO FUEL LINES OR HIGH VOLTAGE WIRING. FIRE OR ELECTRICAL SHOCK CAN OCCUR.

- 1.0 ASSURE UNIT SROS SWITCH IS OFF AND DISCONNECT NEGATIVE BATTERY CABLE BEFORE PROCEEDING.
- 2.0 INSTALL THE COMM MODULE TO THE 2 STUDS ON ITS BRACKET USING THE WASHERS & LOCKNUTS PROVIDED. TORQUE TO 4.5 N-m.
- 3.0 UNPLUG ALL CONNECTORS FROM THE SVM (OR SMV) STEPPER MODULE. THEN REMOVE THE 3 SCREWS MOUNTING THE MODULE & MOVE THE MODULE AWAY FROM ITS MOUNTING BRACKET.
- 4.0 LOCATE THE COMM MODULE BRACKET(PROVIDED) AND THE 3 ATTACHMENT LOCATIONS ON THE FRAME. ATTACH THE BRACKET TO THE FRAME WITH THE 3 M6 SCREWS (PROVIDED). TORQUE THE M6 SCREWS TO 9N-M.

NOTE: REINSTALLING THE SCREWS, ESPECIALLY THE TOP ONE, CAN BE DIFFICULT. SOME TIPS: INSTALL THE BOTTOM SCREWS FIRST. USE A LONG EXTENSION TO START THE TOP SCREW. REMOVE THE DISPLAY MODULE FOR MORE ACCESS.

NOTE: WHEN INSTALLING CONNECTORS, APPY CONTACT LUBRICANT ACROSS CONNECTOR CONTACT SURFACE TO PREVENT MOISTURE INGRESSION.

- 5.0 REINSTALL THE 35 PIN CONNECTOR(S) TO THE SVM, BUT THE 8-PIN 1SVM CONNECTOR NOW GETS INSTALLED INSTEAD INTO THE COMM MODULE AT THE 1CM CONNECTION.
- 6.0 INSTALL THE ADHESIVE TAG (LABEL) INCLUDED IN THE KIT AROUND THE WIRE BUNDLE TO THE 8-PIN CONNECTOR NOW INSTALLED AT "1CM" 75-100mm. BACK FROM THE CONNECTOR.



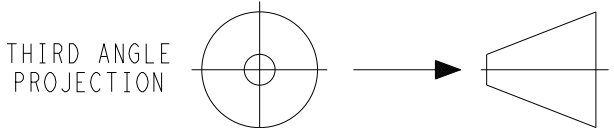
CAUTION
WHEN INSTALLING WIRING BETWEEN TRAILER UNIT AND REMOTE PANEL, ROUTE AND SECURE CABLE AND HARNESSING TO AVOID CHAFING, PINCH POINTS, AND ROAD DEBRIS. ALWAYS USE RUBBER GROMMETS TO PROTECT BARE CABLE THROUGH HOLES IN METAL .

- 7.0 INSTALL THE COMM MODULE SPLITTER HARNESS AS SHOWN IN FIGURE 4, BY PLUGGING ITS 14-PIN CONNECTOR INTO THE COMM MODULE AT 2CM, AND ITS 8-PIN CONNECTOR INTO THE SVM MODULE.
- 8.0 MAKE CABLE CONNECTIONS TO THE TRAILER UNIT IN THE ORDER PRESENTED HERE, SEE FIG. 5.
- 8.1 LOCATE THE 1RP CONNECTOR ON THE ENGINE HARNESS AND INSTALL IT TO ITS MATE ON THE REMOTE PANEL CABLE. SAVE THE CAP FROM THE ENGINE HARNESS CONNECTOR FOR POSSIBLE REUSE. IF THE 1RP CONNECTOR IS NOT AVAILABLE ON THE ENGINE HARNESS, YOU SHOULD HAVE RECEIVED ADDITIONAL KIT 76-00869 TO PROVIDE THIS CONNECTION.
- 8.2 INSTALL THE REMAINING 2 PIN CONNECTOR ON THE REMOTE PANEL CABLE TO ITS MATE ON THE COMM MODULE SPLITTER HARNESS.

9.0 NOTE: VERIFY ALL WIRE CONNECTIONS BEFORE RE-CONNECTING NEGATIVE BATTERY CABLE. FAILURE TO CONNECT WIRES CORRECTLY MAY CAUSE DAMAGE TO THE REMOTE PANEL, COMM MODULE OR OTHER COMPONENTS.

- 10.0 RE-CONNECT NEGATIVE BATTERY TERMINAL AND TEST OPERATION OF THE REMOTE PANEL BY TURNING ON THE TRAILER UNIT SROS SWITCH. THE REMOTE PANEL SHOULD ILLUMINATE ALONG WITH THE MAIN DISPLAY, AND THE UNIT ENGINE SHOULD START AFTER THE NORMAL DELAYS. IF THE UNIT WILL NOT START, THE CURRENT SYSTEM SOFTWARE VERSION SHOULD BE LOADED (WITH THE REMOTE PANEL CONNECTED). THE UNIT AND REMOTE PANEL SHOULD THEN OPERATE NORMALLY.

E	REPLACED IT.10 (22-04318-00 BY 22-04318-01).	06 APR 2018	LT-LS			72E0020P18
D	PICTORIALLY UPDATED IT.5 COMMUNICATION MODULE AND ADDED NOTE FOR APPLYING CONTACT LUBRICANT.	09 FEB 2016	ZMG			72N0224P16
B	IN THE NOTE : TRAILER UNIT WAS REEFER UNIT, 3 PLCS. ADDED "PWR-OPT" TO VIEW.	24 JUN 2014	LT-PT	PASCAL		72E0039P14
A	INITIAL RELEASE.	21 FEB 2014	LT-NM			72N0011P14
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



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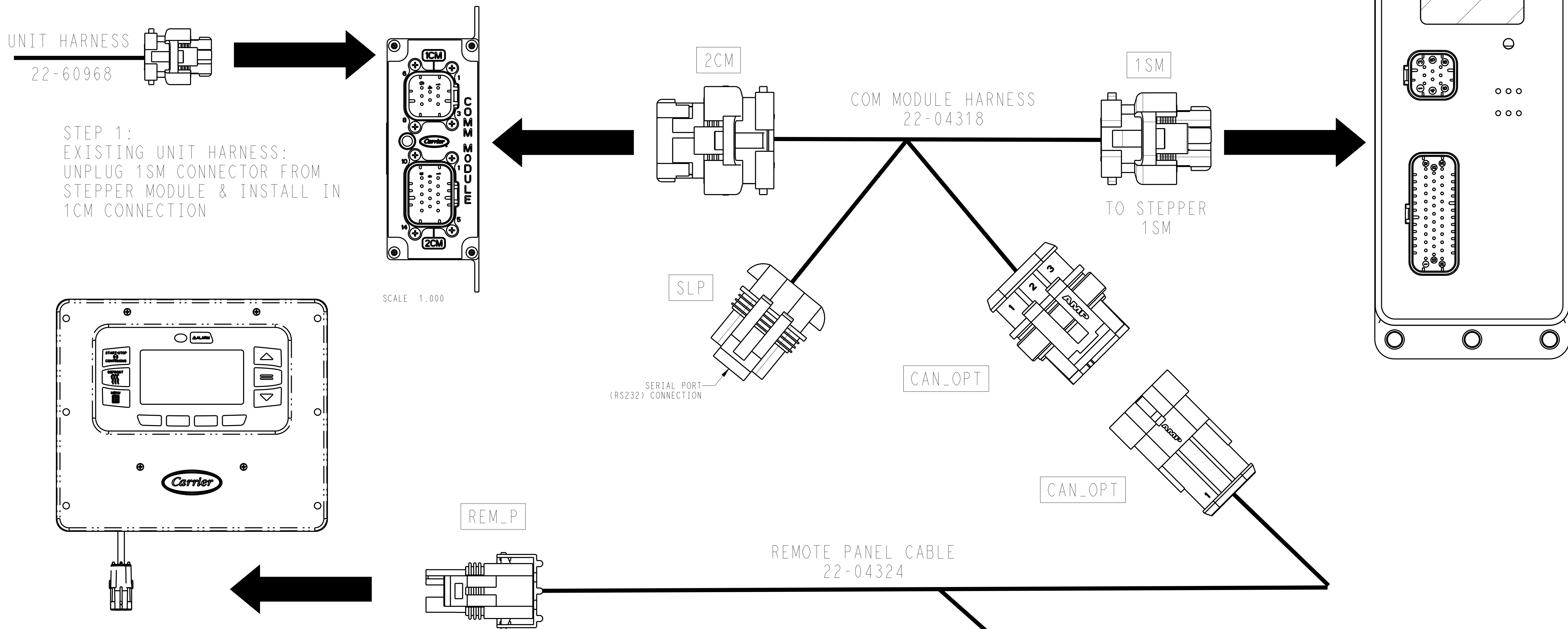
TITLE	INSTALLATION INSTRUCTION	DRAWING NO.	98-02620	REV	E
APX REMOTE DISPLAY PANEL		SHEET 2 OF			

SUPERSEDES: _____

PART CLASSIFICATION: US zeb.guest@carrier.utc.com

DRAWING CLASSIFICATION: US EAR99

FIGURE 5 - WIRING DIAGRAM



Ⓕ CASE 1 (INITIAL DESIGN) :
IF PWR OPT CONNECTOR (UNIT SIDE), CONNECT REM_P CONNECTOR AS DESCRIBED:

PWR-OPT CONNECTOR (UNIT SIDE)		
CAVITY	ADDRESS	WIRE COLOR
A	PCM-21/ PWR OPT A	GREEN
B	PCM-12/ PWR OPT B	WHITE

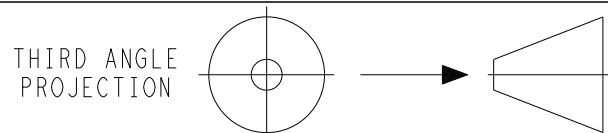
REM_P	
CAVITY	ADDRESS
A	REM_P-A/CAN_OPT-2
B	REM_P-B/CAN_OPT-1
C	REM_P-C/PWR_OPT-A
D	REM_P-D/PWR_OPT-B

Ⓕ CASE 2 (NEW DESIGN) :
IF PWR OPT CONNECTOR (UNIT SIDE), CONNECT REM_P CONNECTOR AS DESCRIBED:

PWR-OPT CONNECTOR (UNIT SIDE)		
CAVITY	ADDRESS	WIRE COLOR
A	PCM-12/ PWR OPT A	WHITE
B	PCM-21/ PWR OPT B	GREEN

REM_P	
CAVITY	ADDRESS
A	REM_P-A/CAN_OPT-2
B	REM_P-B/CAN_OPT-1
C	REM_P-C/PWR_OPT-B
D	REM_P-D/PWR_OPT-A

F	UPDATED NOTES & CHART.	13 JAN 2021	LT-AP			1139949
D	PICTORIALLY UPDATED IT.5 COMMUNICATION MODULE.	09 FEB 2016	ZMG			72N0224P16
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



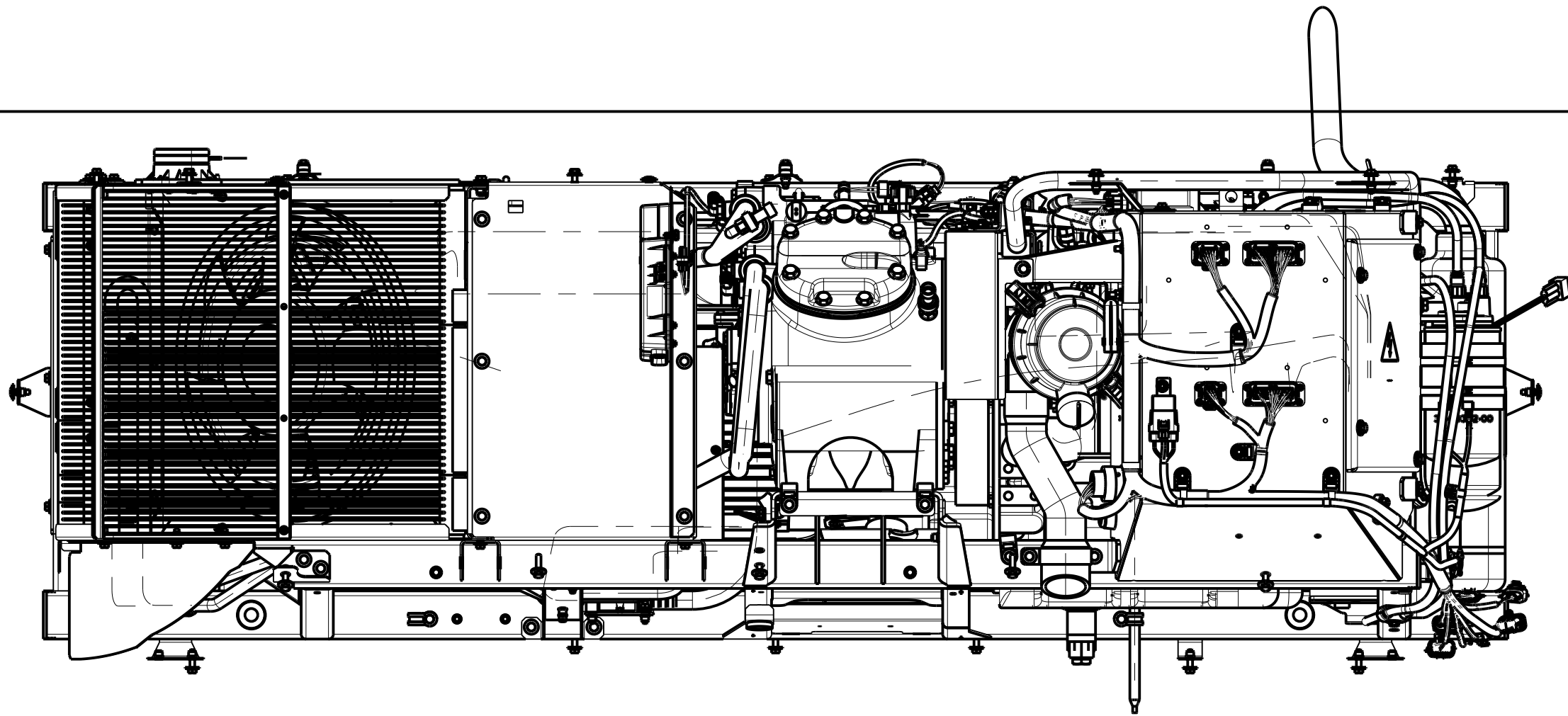
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TITLE	INSTALLATION INSTRUCTION APX REMOTE DISPLAY PANEL	DRAWING NO. 98-02620 SHEET 3 OF	REV F
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SUPERSEDES: _____

PART CLASSIFICATION: US EAR99

DRAWING CLASSIFICATION: US EAR99



SUPRA HE

INSTALLATION:

CAUTION
DO NOT TIE WRAP OR SECURE WIRING OR CABLES TO FUEL LINES OR HIGH
VOLTAGE WIRING. FIRE OR ELECTRICAL SHOCK CAN OCCUR.

1.0 BEFORE OPERATION, APPLY THE LOCK OUT/ TAG OUT PROCEDURE.

2.0 THIS KIT IS FOR SUPRA HE / S HE.

3.0 LOCATE THE PWR-OPT (2 PIN) AND CAN-OPT (3 PIN) CONNECTORS ON ENGINE
HARNESS PER DETAIL A.

NOTE: WHEN INSTALLING CONNECTORS, APPLY CONTACT LUBRICANT ACROSS
CONNECTOR CONTACT SURFACE TO PREVENT MOISTURE INGRESSION.

CAUTION
WHEN INSTALLING WIRING BETWEEN REEFER UNIT AND REMOTE PANEL, ROUTE
AND SECURE CABLE AND HARNESSING TO AVOID CHAFING, PINCH POINTS, AND
ROAD DEBRIS. ALWAYS USE RUBBER GROMMETS TO PROTECT BARE CABLE
THROUGH HOLES IN METAL.

5.0 INSTALL THE REMOTE PANEL EXTENSION HARNESS AS SHOWN IN DETAIL A.
PLUGGING ITS CAN-OPT (3 PIN) CONNECTOR INTO THE MATING REFRIGERATION
UNIT CAN-OPT (3 PIN) CONNECTOR. LOCATION SHOWN IN DETAIL A.

CAUTION
THE POLARITY OF THE 2 WAYS BATTERY GUARD (POWER SUPPLY) CONNECTOR ON THE CARRIER
UNIT MAY DIFFER FROM THE REMOTE PANEL HARNESS EXTENSION POLARITY. ALWAYS CHECK THE
POLARITY (+12V AND GROUND) ARE MATCHING BEFORE PLUGGING THE CONNECTORS AND TURNING
ON THE UNIT. REVERSE THE POLARITY ON THE REMOTE PANEL HARNESS EXTENSION SIDE IF REQUIRED.

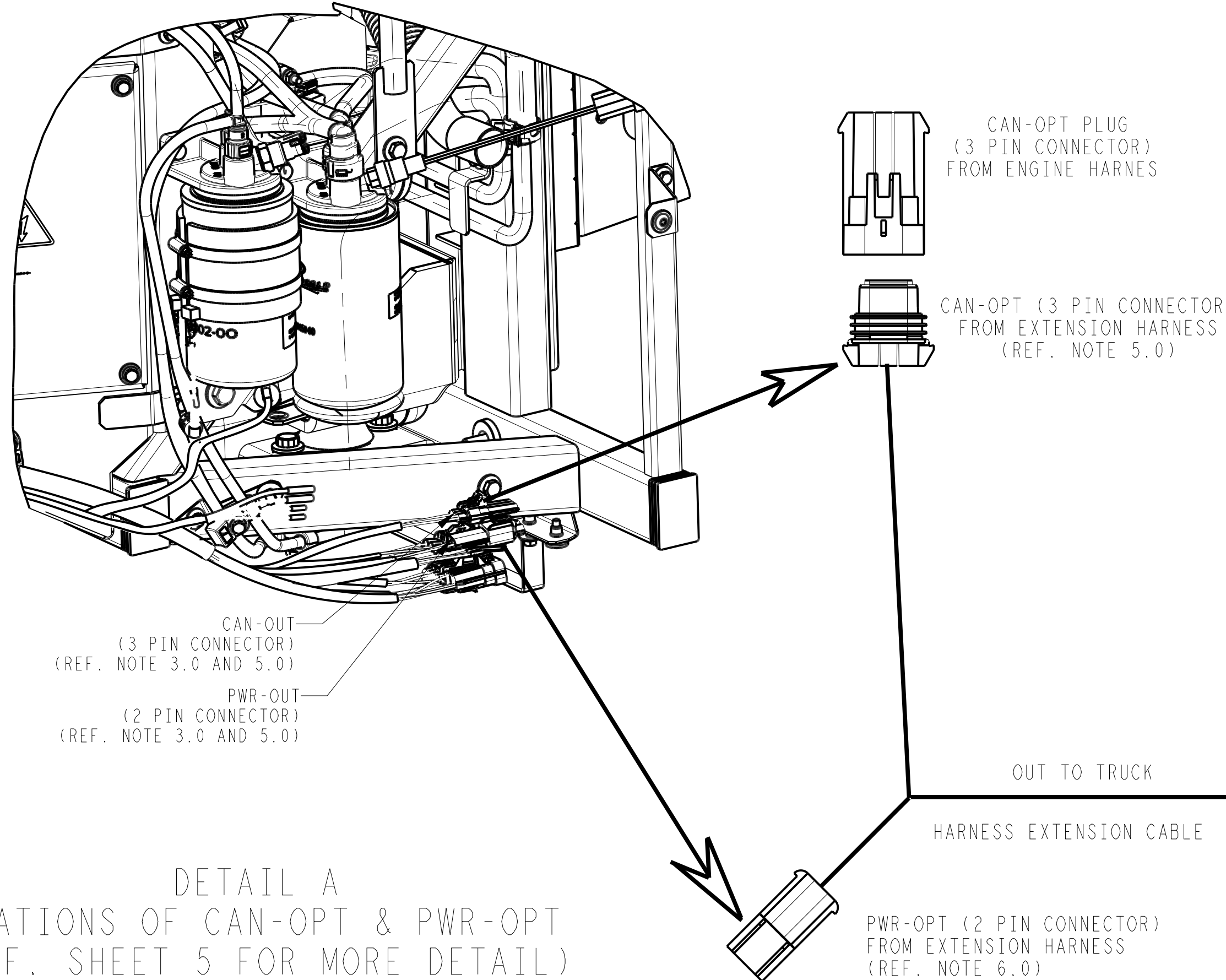
6.0 LOCATE THE PWR-OPT (2 PIN) CONNECTOR ON THE ENGINE HARNESS AND INSTALL IT
INTO ITS MATING (PWR-OPT) (2 PIN) CONNECTOR ON THE REMOTE PANEL HARNESS EXTENSION CABLE.

7.0 NOTE: VERIFY ALL WIRE CONNECTIONS BEFORE RE-CONNECTING NEGATIVE
BATTERY CABLE. FAILURE TO CONNECT WIRES CORRECTLY MAY CAUSE
DAMAGE TO THE REMOTE PANEL OR OTHER COMPONENTS.

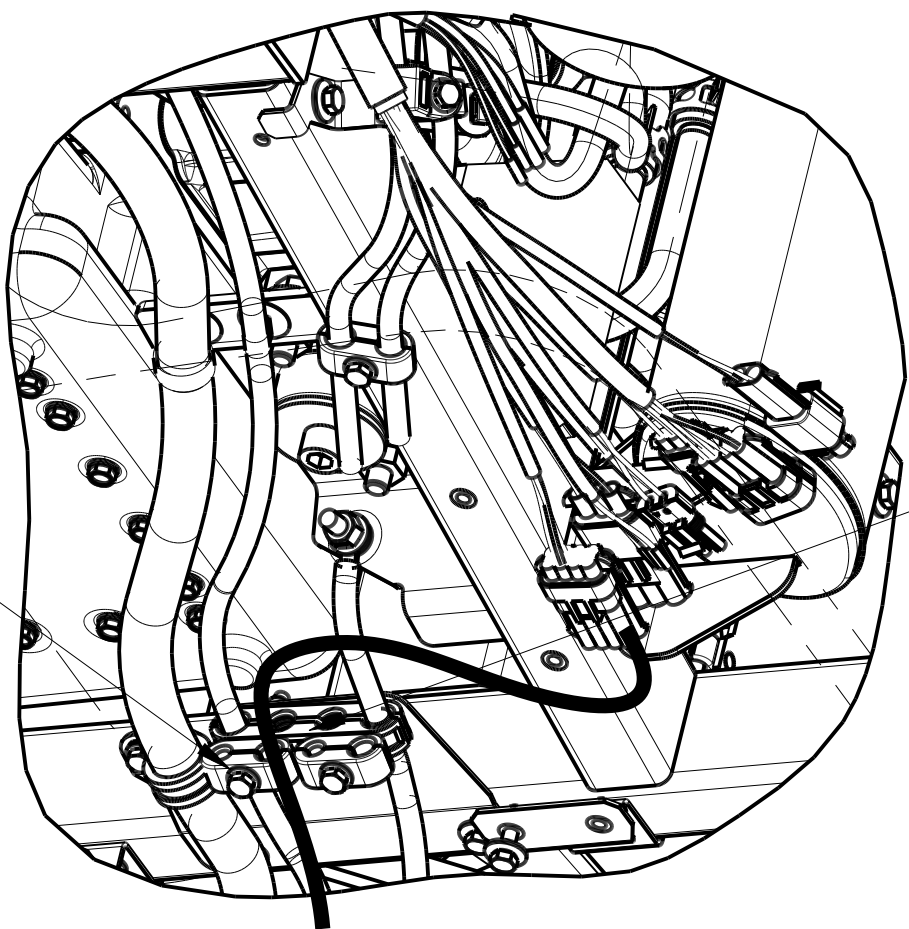
8.0 RE-CONNECT NEGATIVE BATTERY TERMINAL AND TEST OPERATION OF
THE REMOTE PANEL BY TURNING ON THE REEFER UNIT SROS SWITCH.
THE REMOTE PANEL SHOULD ILLUMINATE ALONG WITH THE MAIN DISPLAY,
AND THE UNIT ENGINE SHOULD START AFTER THE NORMAL DELAYS. IF THE
UNIT WILL NOT START, THE CURRENT SYSTEM SOFTWARE VERSION SHOULD
BE LOADED (WITH THE REMOTE PANEL CONNECTED). THE UNIT AND REMOTE
PANEL SHOULD THEN OPERATE NORMALLY.

9.0 THE CONFIGURATION "NUMBER OF REMOTE PANELS" HAS TO BE
CHANGED TO "1 REMOTE PANEL INSTALLED"

10.0 CAUTION: SOFTWARE UPDATE MAY BE REQUIRED. INCORRECT SOFTWARE VERSION WILL
RESULT IN ALARM A2000



DETAIL A
LOCATIONS OF CAN-OPT & PWR-OPT
(REF. SHEET 5 FOR MORE DETAIL)



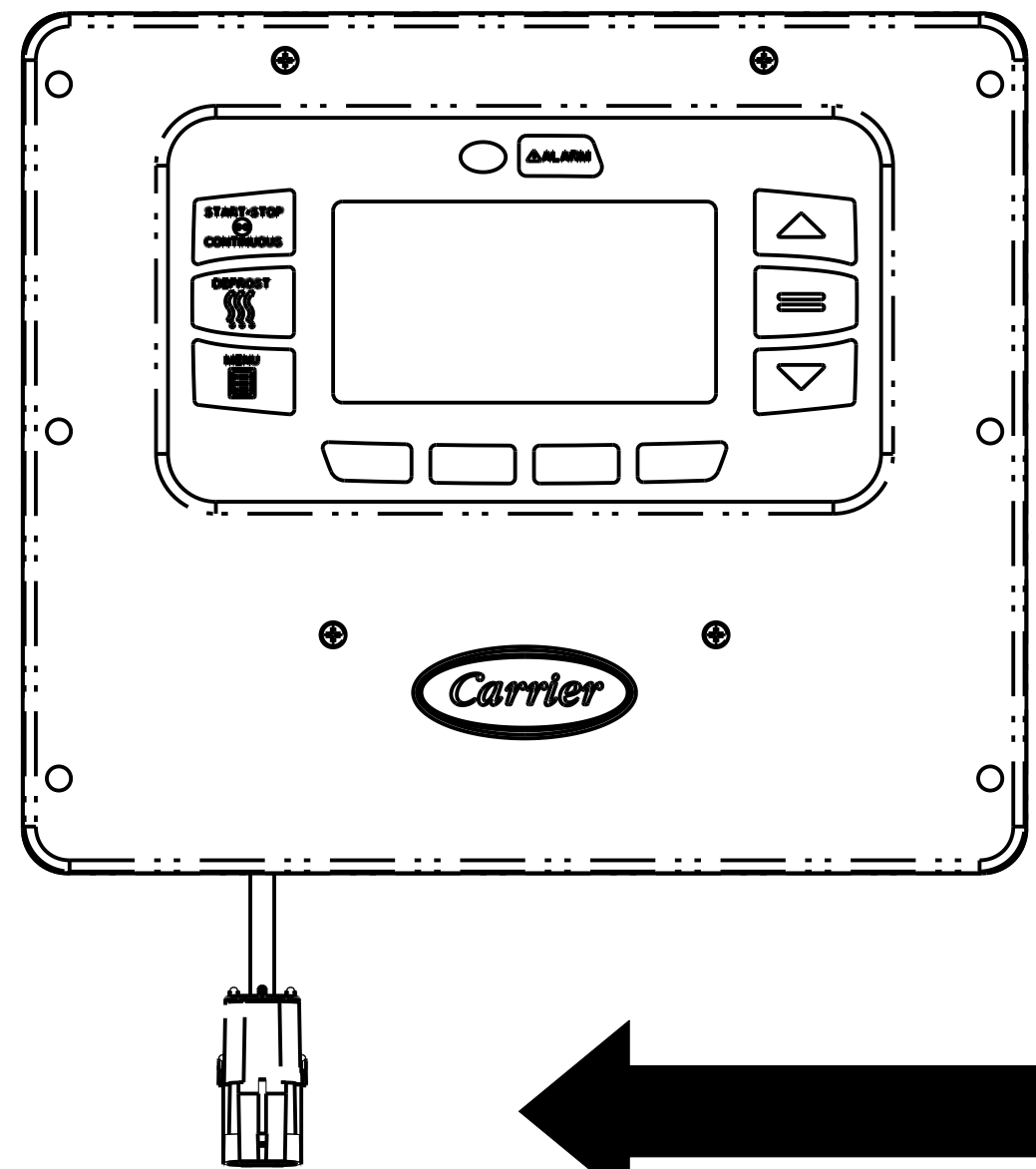
USE CLAMP AND
HARDWARE FROM KIT

CONTROL PANEL
CABLE HARNESS

TITLED DETAIL A VIEW TO SHOW THE
CONTROL PANEL HARNESS CONNECTION

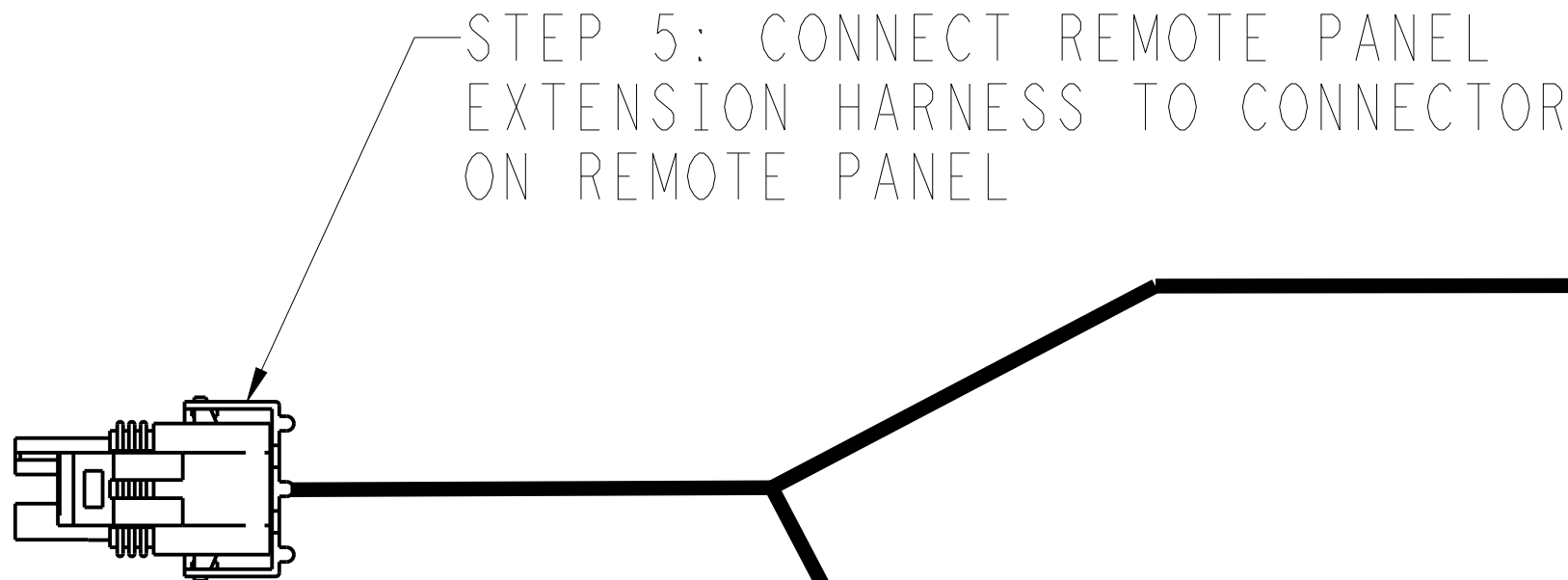
G	UPDATED NOTE 5.0.	12 MAR 2024	LT-VS			1179456	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS SHOWN ARE IN MILLIMETERS, WITH IMPERIAL CONVERSIONS IN [INCHES]	TITLE INSTALLATION INSTRUCTION APX REMOTE DISPLAY PANEL	DRAWING NO. 98-02620 SHEET 4 OF	REV G
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.					

SUPRA HE
CONNECTIONS TO REEFER UNIT



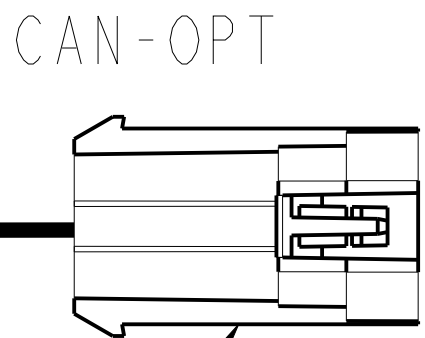
CABLE CONNECTIONS: PANEL END		
4-PIN CONN.	COLOR/MARKING	DESCR.
A	BLK1	CAN--
B	WHT1	CAN+
C	BLK2	PWR--
D	WHT2	PWR+

REM_P	
CAVITY	ADDRESS
A	REM_P-A/CAN_OPT-2
B	REM_P-B/CAN_OPT-1
C	REM_P-C/PWR_OPT-B
D	REM_P-D/PWR_OPT-A

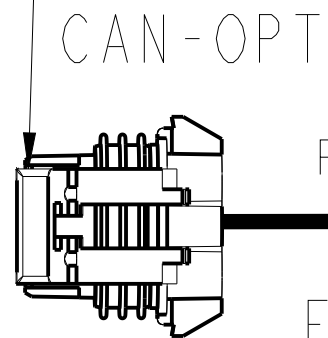


REMOTE PANEL
EXTENSION HARNESS

STEP 2: CONNECT REMOTE
PANEL EXTENSION
HARNESS TO ENGINE
HARNESS CAN-OPT.



CAN-OPT

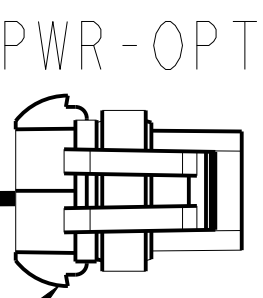


CAN-OPT

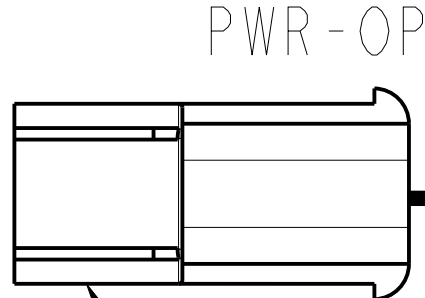
REF. SHEET 4 FOR UNIT LOCATION

ENGINE
HARNESS

PWR-OPT & CAN-OPT CONNECTORS
LOCATED ON ENGINE HARNESS.
SEE DETAIL A ON SHEET 4.



PWR-OPT



PWR-OPT

REF. SHEET 4 FOR UNIT LOCATION

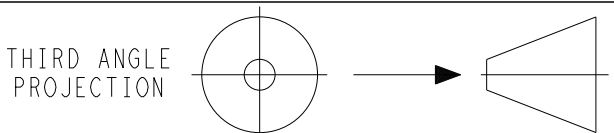
ENGINE
HARNESS

STEP 4: CONNECT REMOTE PANEL
EXTENSION HARNESS TO POWER
CONNECTION PWR-OPT FROM
ENGINE HARNESS

STEP 3: REMOVE TERMINATION
RESISTOR PLUG
FROM ENGINE HARNESS.
(TERMINATION PLUG WILL NO
LONGER BE NEEDED AFTER
INSTALLATION OF REMOTE PANEL)

FIGURE 6 - WIRING DIAGRAM

F	ADDED THIS SHEET.	13 JAN 2021	LT-AP			1139949
SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS SHOWN ARE IN MILLIMETERS,
WITH IMPERIAL CONVERSIONS IN [INCHES]

TITLE
INSTALLATION INSTRUCTION APX REMOTE DISPLAY PANEL

DRAWING NO.	REV
98-02620	F
SHEET 5 OF	

SUPERSEDES:

PART CLASSIFICATION: US EAR99

DRAWING CLASSIFICATION: US