



9001706 CONTROL CONSOLE CONSR-USB

PARTS MANUAL

**Axion Ref. No.: 3041645
(Revision A)**

**Passenger Information System for Mass Transit Applications
Système d'information aux passagers pour le transport en commun**

Electronic Destination Sign Systems

9001706 CONTROL CONSOLE

CONSR-USB

PARTS MANUAL

**Axion Ref. No.: 3041645
(Revision A)**

2012

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List of revisions

REVISION	DATE	DESCRIPTION OF CHANGES
--	2011-04-19	Original
A	2012-02-29	• 2012 replaced by 2012 • 2.4 Wiring diagram corrected • 2.5 Parts List: ◦ Added missing callouts. ◦ 9001706 replaced by 9001706 – XXX. ◦ Added note to Remarks for adding of the option number. ◦ Deleted note for part #8102103 • 3.2 Electronic Module Removal and Replacement: ◦ Added programming procedure according to the console option.

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1. TECHNICAL DESCRIPTION



FUNCTIONS

- ⇒ Controls all signs installed on the vehicle
- ⇒ Management of public messages
- ⇒ Messages are selected by entering the route number
- ⇒ Portable Transfer Unit or USB transfer of Database
- ⇒ Control screen allows users to see the message being displayed
- ⇒ Self-diagnosis displayed on the control screen
- ⇒ Transfer of LED Test Messages to signs
- ⇒ Other available options :
 - Emergency - Distress button
 - Automatic routing
 - Power-off delay

FEATURES

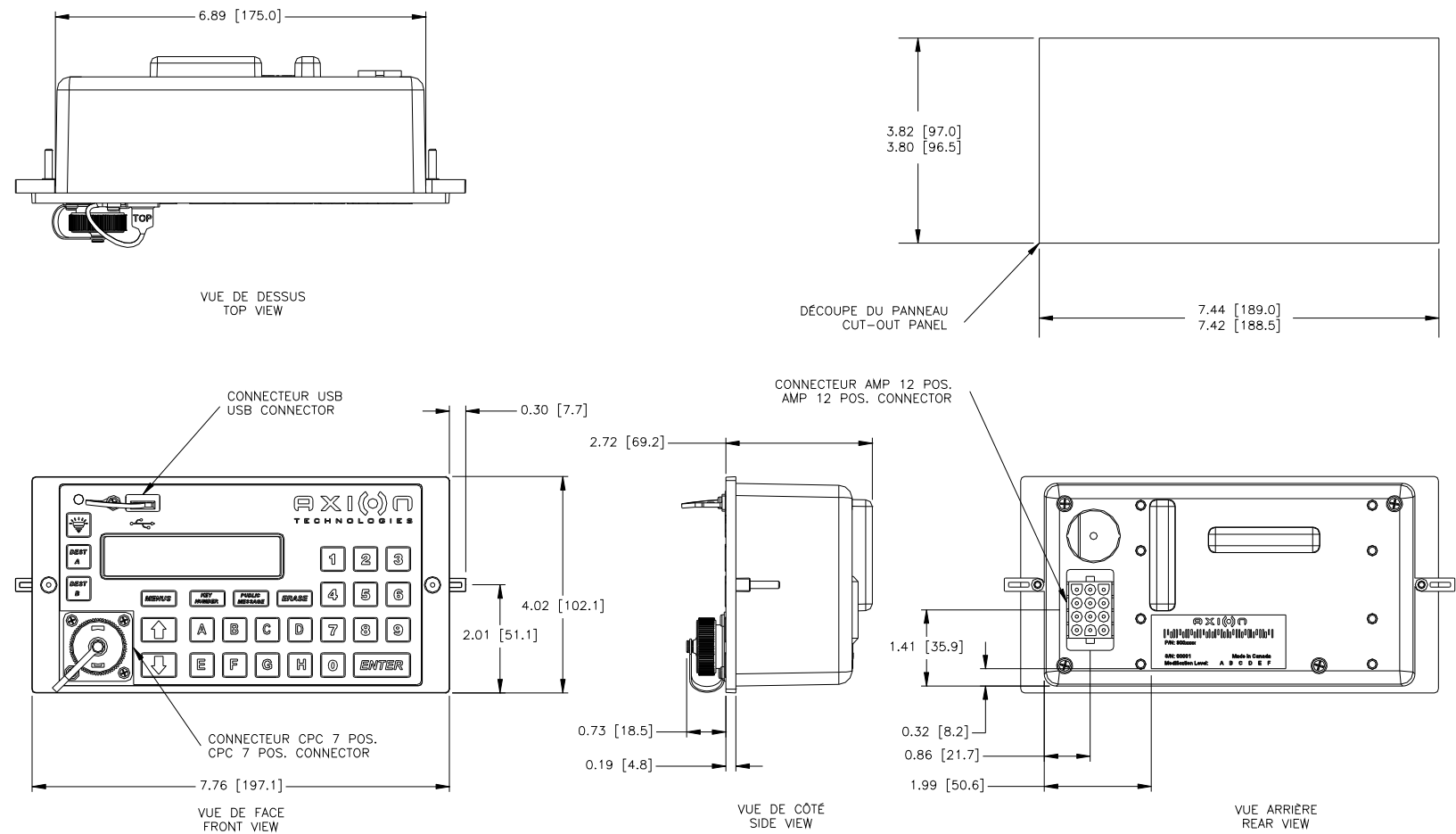
- ⇒ Number of signs managed: up to 9 per vehicle
- ⇒ Control screen: 2 x 20 digits, liquid crystal display (LCD) screen
- ⇒ Keyboard: Polycarbonate membrane, chemical resistant
- ⇒ Case material: Thermoformed ABS, Black
- ⇒ Voltage Range: 10 - 36 Vdc, 12 or 24 Vdc nominal voltage
- ⇒ Power consumption: 0,14 A

MECHANICAL FEATURES

- ⇒ Height: 10,16 cm (4,0 in)
- ⇒ Length: 19,69 cm (7,75 in)
- ⇒ Thickness: 6,91 cm (2,7 in)
- ⇒ Weight: 900 g (2 lb)

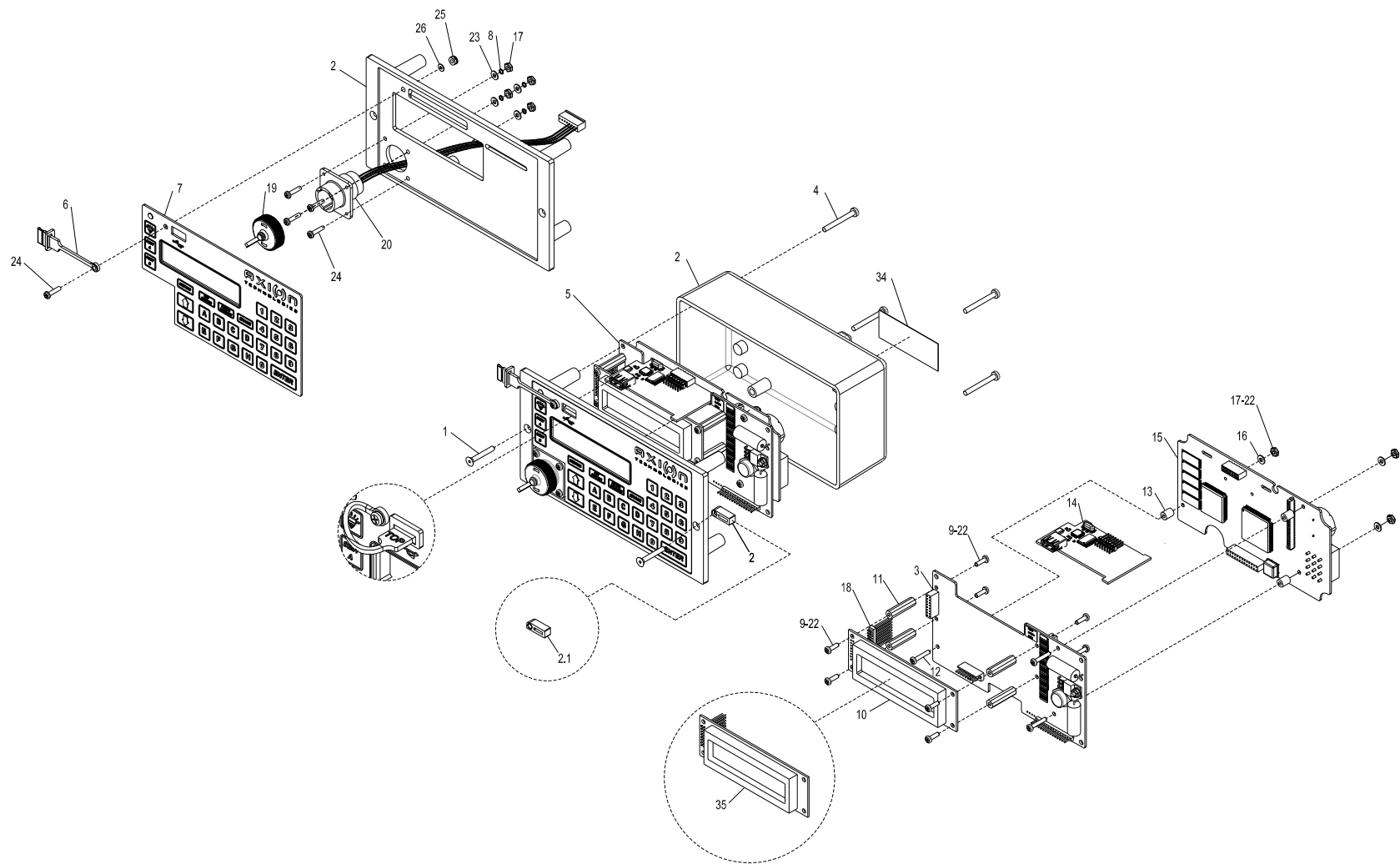
2. CONTROL CONSOLE DESCRIPTION

2.1. DIMENSIONS

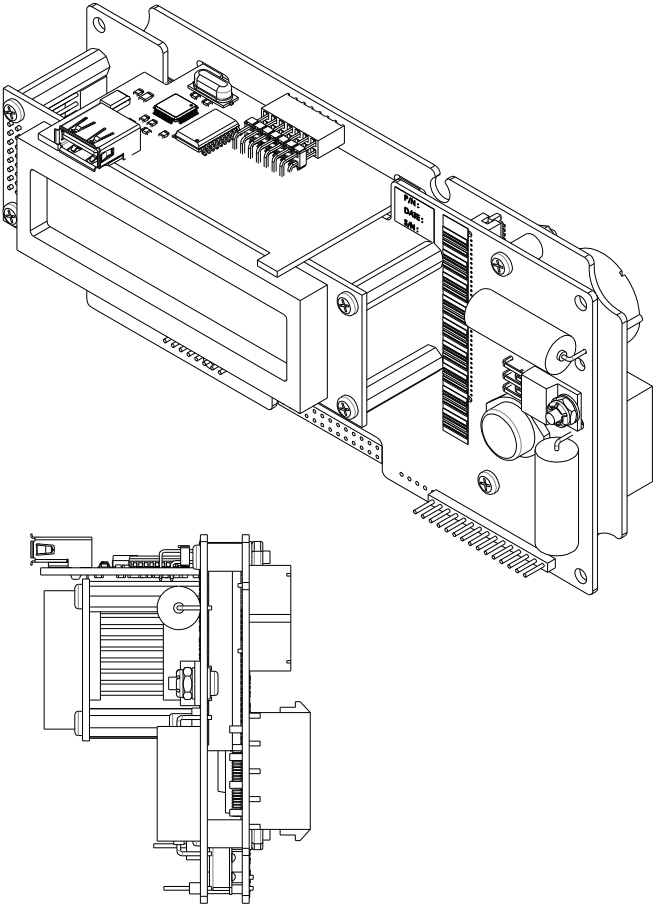
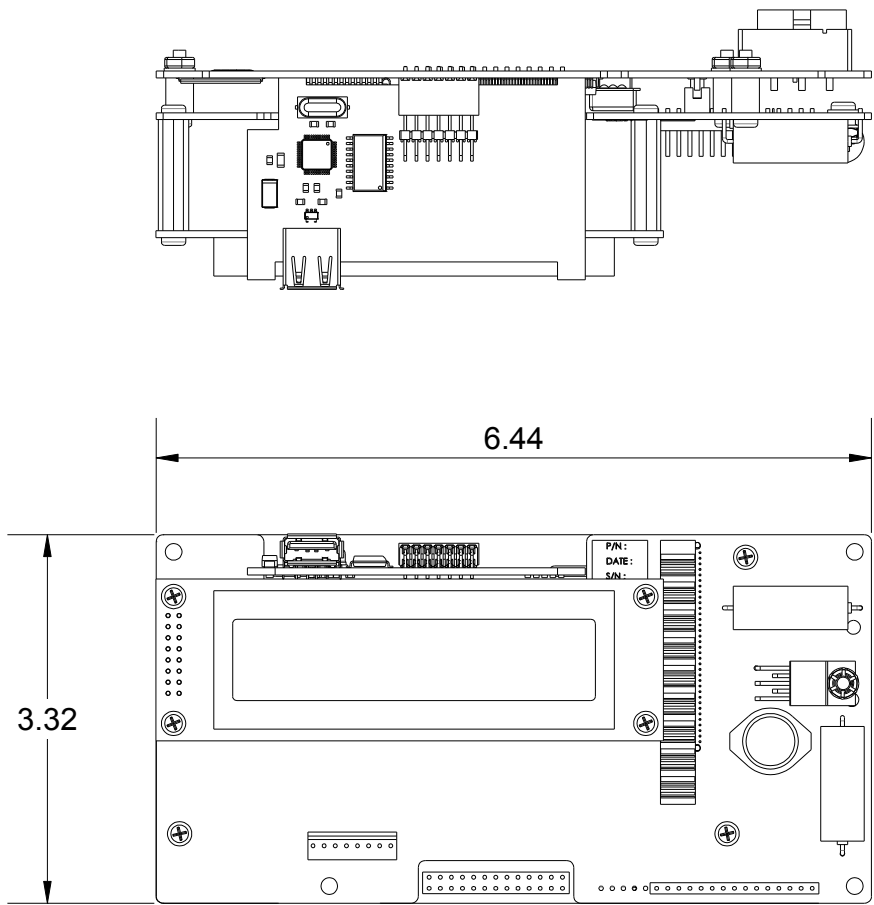


2.2. ASSEMBLY

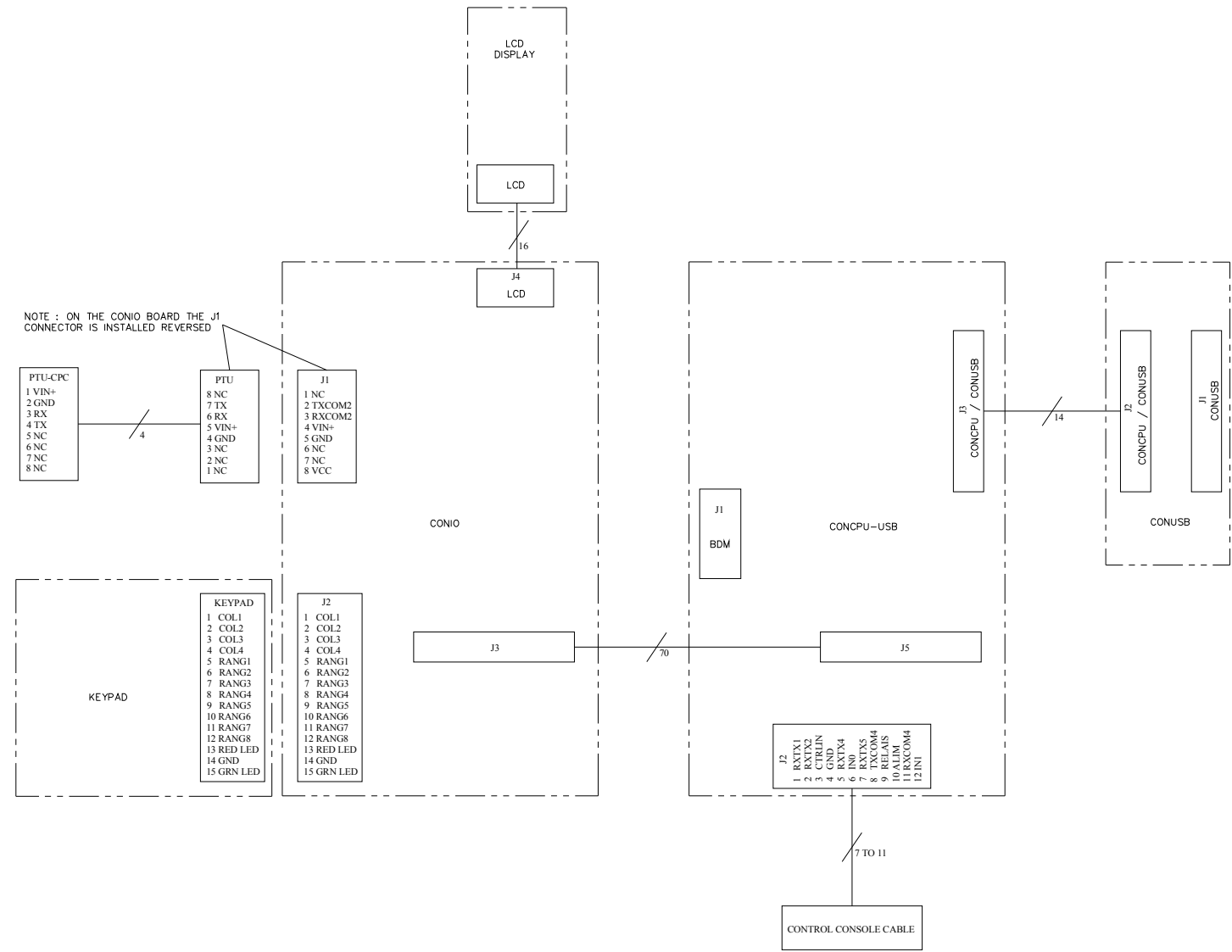
2.2.1. Exploded View



2.3. ELECTRONIC MODULE 8102108



2.4. WIRING DIAGRAM



2.5. PARTS LIST

NOTE

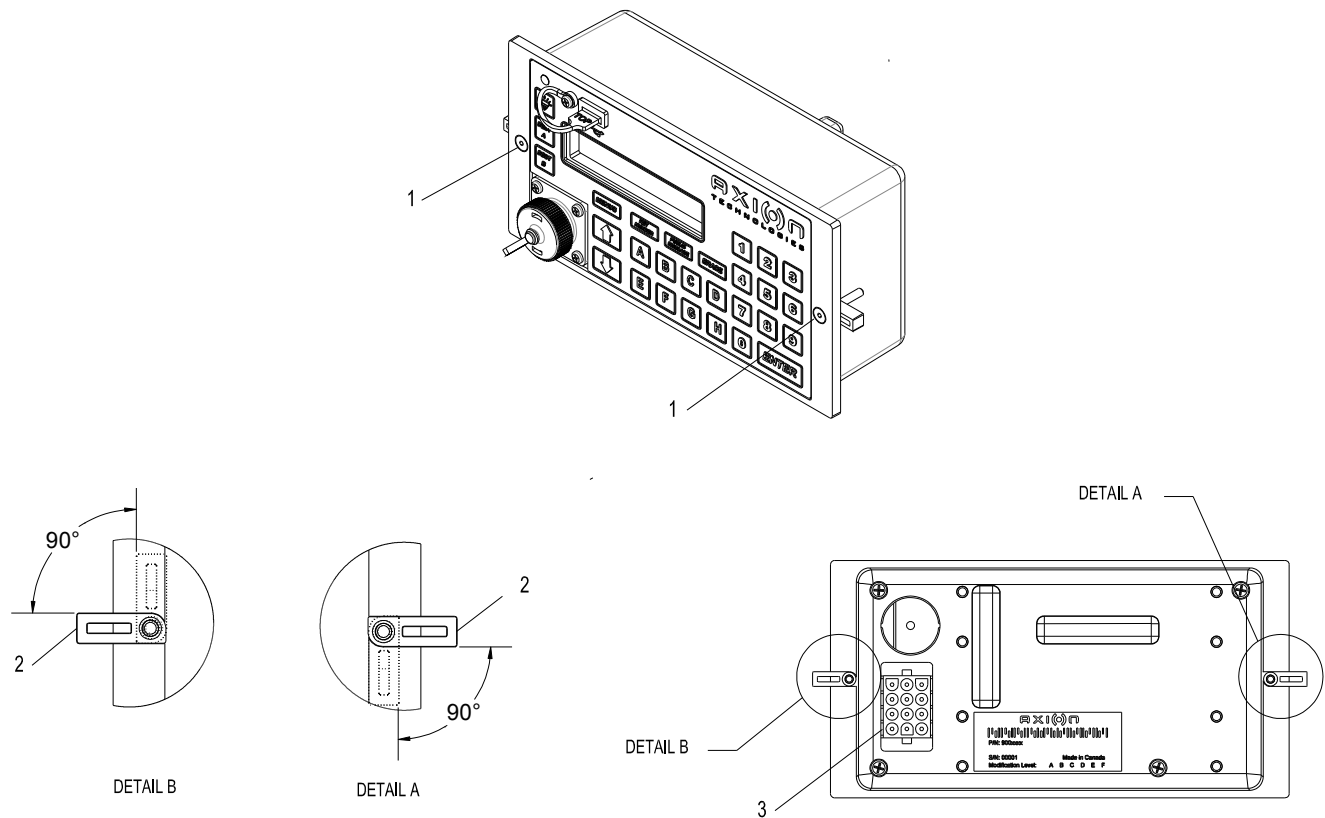
The following callouts correspond to superseded or unavailable items: 19, 21, 27, 28, 29, 30, 31, 32 et 33.

Item No.	Part No.	Qty ¹	Description	Manufacturer	Remarks
X	9001706 – XXX	1	Control console	AXION	Complete product – Specify option number on the serial number label when ordered.
XX	8300979	1	Control Console Casing	AXION	Includes following items : 1, 2, 4, 6, 7, 8, 17, 20, 23, 24, 25, and 26.
5	8102108	1	Complete Console Electronic Module	AXION	Includes following items: 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 22.
35	8101129	1	LCD 20X2 ASSY	AXION	Includes following items:10 and 18.
1	2826199	2	SCR ALL 6-32 1 STL BLK FL	3900-0617 M.LEMIEUX	
2	0400155	1	0000 CSL CSG ABS	AXION	
2.1	0400171	2	0000 RETAINING CLIP (CONSOLE)		
3	8100998	1	0675 CON IN/OUT 24V BD ASS'Y	AXION	
4	2826198	4	SCR PHI 6-32 1 1/4 STL BOXD PAN	632-1 1/4 DUFRESNE	
6	2100403	1	DUST CAP USB TYPE A	AXION	
7	0101208	1	0760 CSL KEYPAD PTU-USB	AXION	
8	2825180	4	SPRING WASH SZN #4	W-309 SPAENAU	
9	2825055	8	SCR PHI 4-40 3/8 STL/ZN PAN	385-282 SPAENAU	
10	2450850	1	LCD MODULE C 2X20 YEL LED B.L.	VB20201NY-LY HYUNDAI	
11	2826201	4	SPCR HEX 4-40 1 ALU	608-139 SPAENAU	
12	2825422	3	SCR PHI 4-40 5/8 STL/ZN PAN	385-078 SPAENAU	
13	2826200	3	SPCR #4 5/16 NYL	1125-4-N RAF	
14	8102101	1	0901 CON USB BD ASS'Y	AXION	
15	8102103	1	0675 CON CPU USB BD ASS	AXION	
16	2825235	3	FLAT WASHER NYL #4 1/4 1/16	3358 KEYSTONE	
17	2825819	7	NUT 4-40 STL/ZN	B-753 SPAENAU	
18	2101581	1	HEAD 016 STR P DUAL PCB SN	TSW-108-18-G-D SAMTEC	
20	8200571	1	0675 CONSOLE PTU HARNESS	AXION	

Item No.	Part No.	Qty ¹	Description	Manufacturer	Remarks
22	1600092	N/A	THREAD LOCKER GLUE REMOVABLE	242 LOCTITE	
23	2825578	4	FLAT WASHER SZN #4 5/16 1/32	W-277 SPAENAU	
24	2825027	5	SCR PHI 4-40 1/2 STL/ZN PAN	385-077 SPAENAU	
25	2825208	1	LOCKNUT 4-40 STL/ZN NYL	178-C01-1Y SPAENAU	
26	2827268	1	WASHER, FLAT, SST, NO 4, 0.250X0.031	98019A309 MMC	
34	8505101	1	0901 CONSOLE USB/WIFI STK ID	AXION	
¹ QTY UOM = EA unless specified					

3. REMOVAL AND REPLACEMENT PROCEDURES

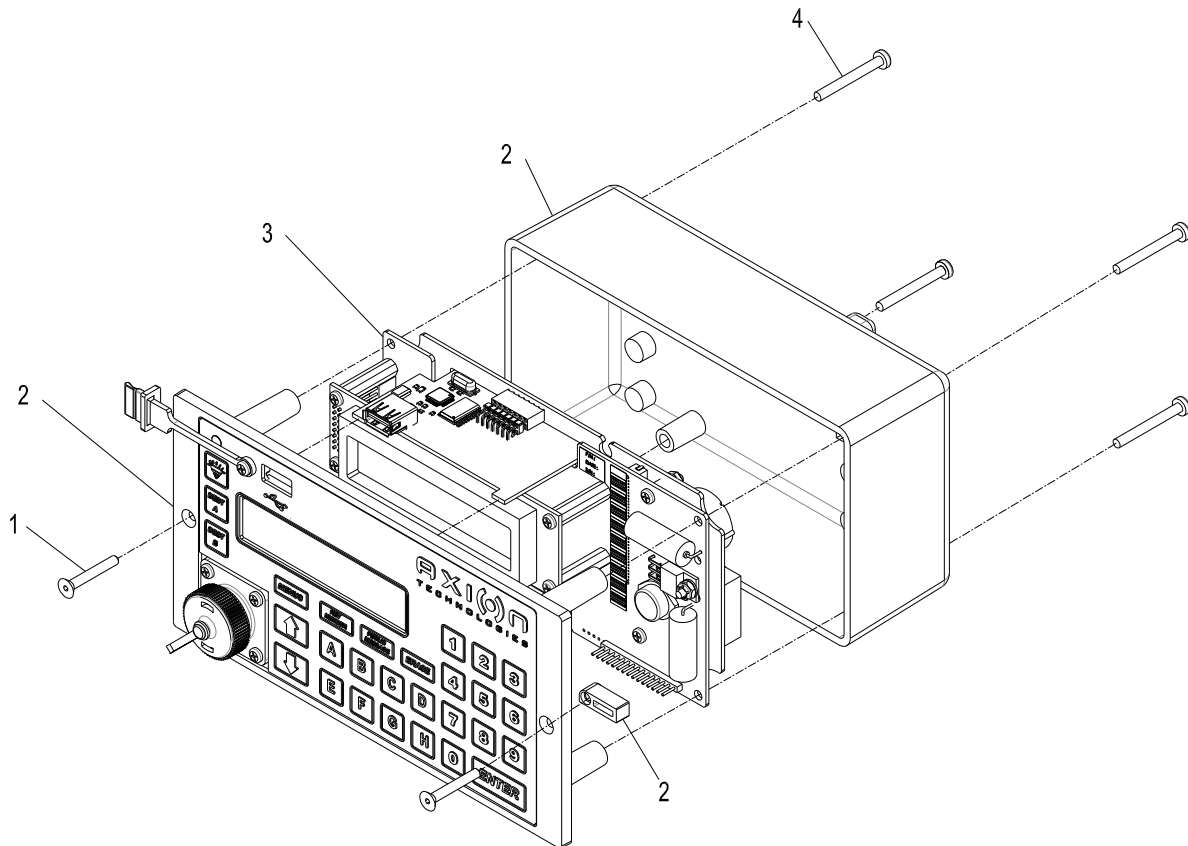
3.1. CONTROL CONSOLE REMOVAL AND REPLACEMENT



Procedure :

- Loosen screws (1) to tilt plastic clip (2) to 90°.
- Completely remove console from dash.
- Disconnect connector (3) from rear console.
- Reverse procedure to replace console.

3.2. ELECTRONIC MODULE REMOVAL AND REPLACEMENT



Procedure :

- Unscrew four screws (4).
- Pull apart casing (2).
- To disconnect front plate casing connectors, proceed as follows
 - Disconnect keypad connector from electronic module.
 - Disconnect PTU connector from electronic module.
- Remove defective module (3).
- Reverse procedure to replace module. Proceed as follows:
 - Reconnect keypad connector to J2 located on board #8100998.
 - Reconnect PTU connector to J1 located on board #8100998.
- Program according to your console option as follows:
 - Press MENUS key and enter password “1 2 3 4”.
 - Select menu 14.
 - Enter password “BAHG”.
 - Select item #3 “CONSOL OPTION” and press “ENTER”. At the prompt “ENTER OPTION NUMBER”, enter the three-digit number on the serial number label and press “Enter”.
 - Console reboots and displays the new option number.