

Service Bulletin

Maintenance of Way Equipment

Date: 11.01.2021

RRP Service Bulletin No: RRP SB371

Title: Ignition Switch Heat Shrink Kit

Rating:



ALERT
(Potential Problem)



INFORMATION
(Action Is Optional)



DIRECTIVE
(Action Is Required)



PRODUCT IMPROVEMENT
(Enhance Product)

Product Series: Advanced Tie Plate Inserter [ATPI], Dual Anchor Adjuster [DAA], Dual Anchor Spreader [DAS], Dual Anchor Spreader Plate [DASP], Dual Clip Applicator [DCA]

Serial No:

ATPI's

ATPI-002-17	915574	UPRR	RLPI-1701
ATPI-003-17	915574	UPRR	RLPI-1702
ATPI-004-17	915574	UPRR	RLPI-1703
ATPI-005-17	915574	UPRR	RLPI-1704
ATPI-006-17	915574	UPRR	RLPI-1705
ATPI-007-17	915574	UPRR	RLPI-1706
ATPI-011	915574	UPRR	RLPI-1801
ATPI-012	915574	UPRR	RLPI-1802
ATPI-013	915574	UPRR	RLPI-1803

ATPI-008	933574	CP	5014-19
ATPI-009	935574	CN	438-61
ATPI-010	935574	CN	438-62

ATPI-014	932574	BNSF	X3800191
ATPI-015	932574	BNSF	X3800192
ATPI-016	932574	BNSF	X3800193
ATPI-017	932574	BNSF	X3800194

APTI-045	932587	BNSF	X3800196
APTI-046	932587	BNSF	X3800197
APTI-047	932587	BNSF	X3800198
APTI-048	932587	BNSF	X3800199
APTI-049	932587	BNSF	X3800200
APTI-050	932587	BNSF	X3800195

ATPI-030	935588	CN-W	CN43867
ATPI-031	935588	CN-W	CN43868
APTI-042	935588	CN-W	CN43869
ATPI-043	935588	CN-W	CN43870
APTI-051	945588	CN-S	CN43871
APTI-052	945588	CN-S	CN43872

ATPI-027/036	933588	CP	5014-21
APTI-028/037	933588	CP	5014-22
ATPI-029/038	933588	CP	5014-23
APTI-032	933588	CP	7014-14
ATPI-033/035	933588	CP	5014-20

ATPI-023	931588	UPRR	RLPI-1901
ATPI-024	931588	UPRR	RLPI-1902
ATPI-025	931588	UPRR	RLPI-1903
ATPI-026	931588	UPRR	RLPI-1904

ATPI-034	932587	RELAM
ATPI-041	932587	RELAM

APTI-044	932587	RELAM
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Dual Anchor Adjuster [DAA]

DAA-355	931583	UPRR	AASQ-1901
DAA-356	931583	UPRR	AASQ-1902
DAA-357	931583	UPRR	AASQ-1903
DAA-358	931583	UPRR	AASQ-1904
DAA-360	913583	UPRR	AASQ-2002
DAA-363	931583	UPRR	AASQ-2101
DAA-364	913583	UPRR	AASQ-2102

DAA-359	913583	CP RAIL	8010-01
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Dual Anchor Spreader [DAS]

DAS-275	931584	UPRR	AASP-1901
DAS-276	931584	UPRR	AASP-1902
DAS-282	931584	UPRR	AASP-2001
DAS-297	931584	UPRR	AASP+2101
DAS-298	931584	UPRR	

DAS-283	931584	CP RAIL	5013-18
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Dual Anchor Spreader Plate [DASP]

DASP-270	935582	CN-W	CN64084
DASP-277	935582	CN-W	CN64085
DASP-284	935582	CN-W	CN64094
DASP-285	935582	CN-W	CN64095
DASP-286	935582	CN-W	CN64096
DASP-287	935582	CN-W	CN64097
DASP-294	935582	CN-W	CN64092
DASP-295	935582	CN-W	CN64093

DASP-280	955582	CN-E	CN64080
DASP-281	955582	CN-E	CN64081
DASP-288	955582	CN-E	CN64090
DASP-291	955582	CN-E	CN64087

DASP-278	945582	CN-S	CN64082
DASP-279	945582	CN-S	CN64083
DASP-289	945582	CN-S	CN64091
DASP-290	945582	CN-S	CN64086
DASP-292	945582	CN-S	CN64088
DASP-293	945582	CN-S	CN64089
DASP-296	945582	CN-S	CN64098

Dual Clip Applicator [DCA]

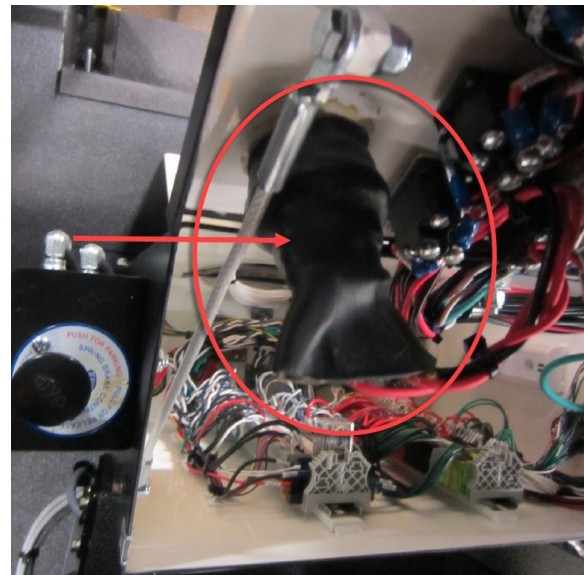
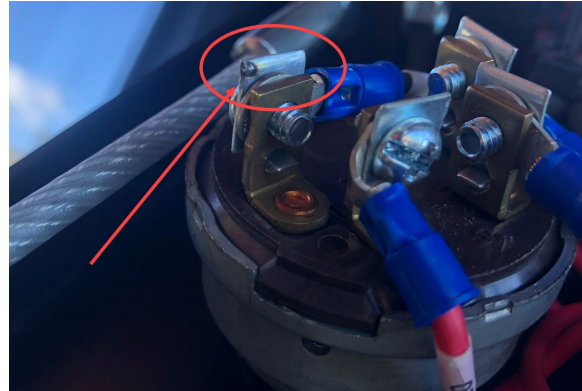
DCA-158	931571	UPRR	ECAM-1801
DCA-159	931571	UPRR	ECAM-1802
DCA-160	931571	UPRR	ECAM-1803
DCA-161	931585	UPRR	ECAM-1901
DCA-162	931585	UPRR	ECAM-1902
DCA-163	931585	UPRR	ECAM-1903
DCA-164	931585	UPRR	ECAM-1904

Summary: The ignition switch may short out due to the terminals being too close to the left control box housing. The switch may also loosen causing the terminals to rotate and contact the left control box housing, causing a short.

Action: Install heat shrink over the ignition switch to prevent the terminals from making contact with the left control box housing. Refer to the instructions on the following pages for details on installing the heat shrink.

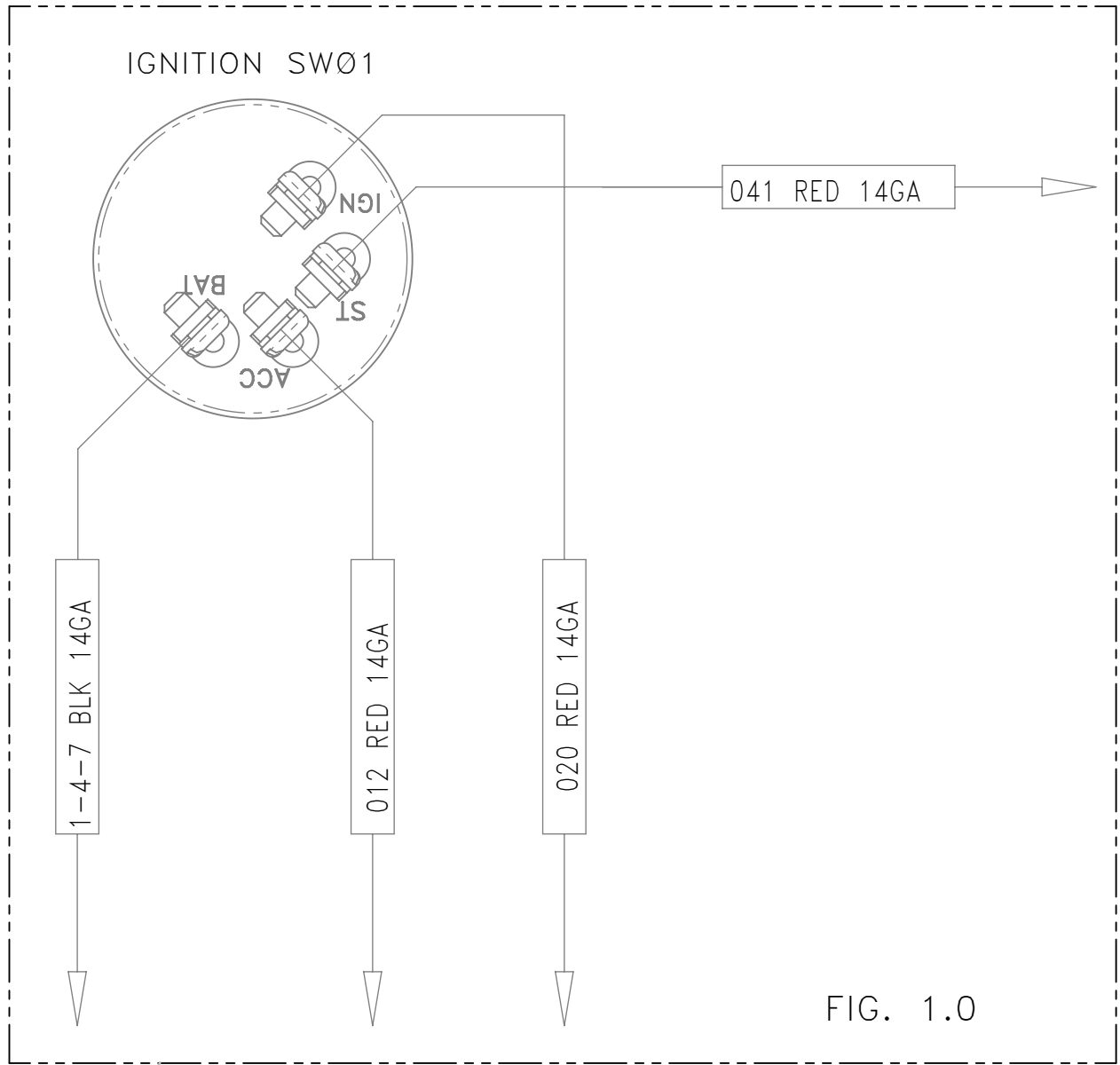
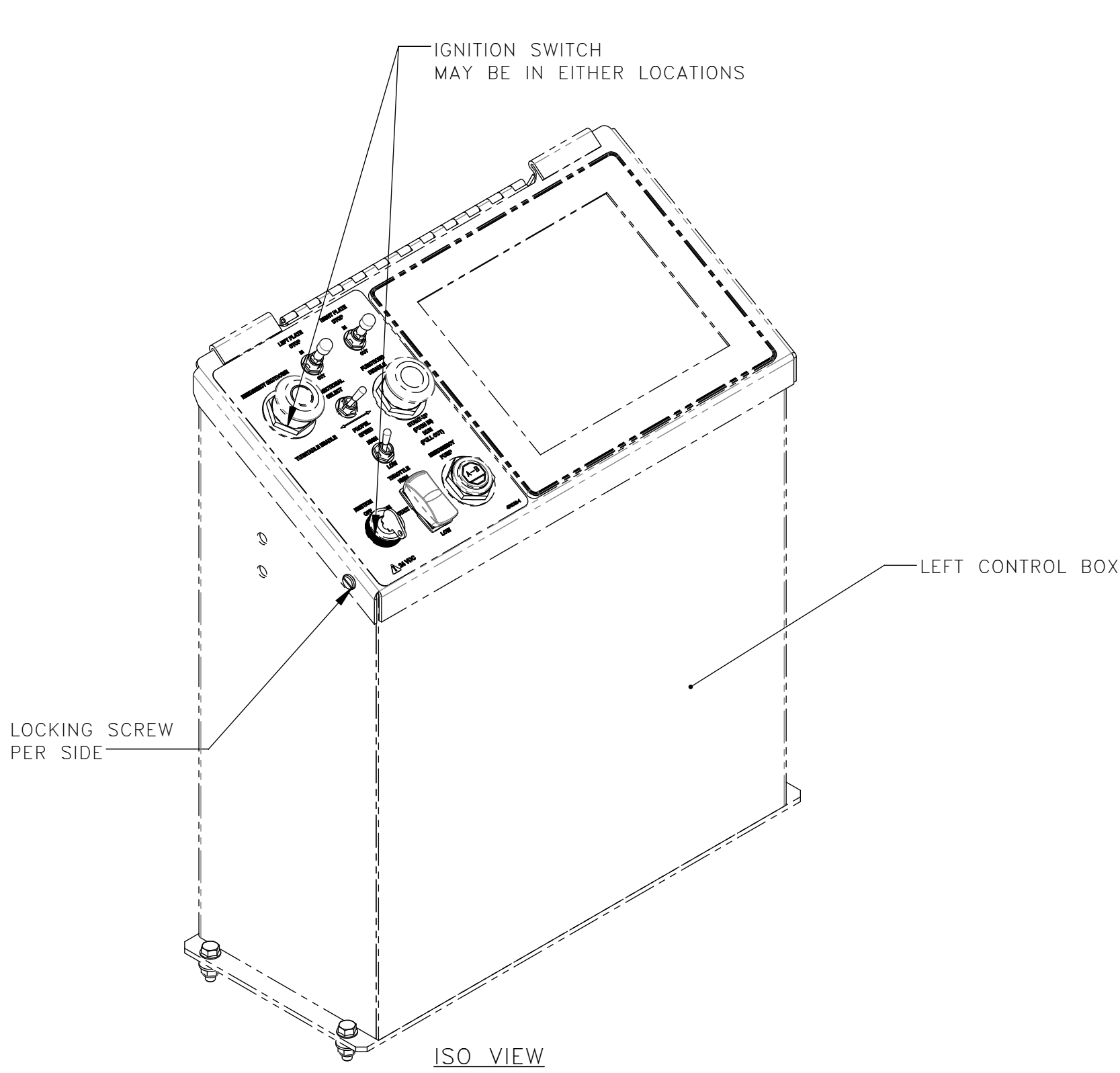


Ignition Switch Without Heat Shrink.



Ignition Switch With Heat Shrink.

Completion / Resolution: Continue with normal machine operation after installing the heat shrink.



THESE INSTRUCTIONS ARE FOR KIT 79312Z.

REMOVAL:

1. POWER OFF MACHINE AND TAG OUT BEFORE PERFORMING CONVERSION.
2. OPEN LEFT CONTROL BOX (IGNITION SWITCH MAY BE EITHER LOCATIONS SEE ISO VIEW).
3. DISCONNECT WIRES FROM IGNITION SWITCH TERMINALS.

INSTALLATION:

1. INSERT SHRINK TUBING ITEM ① OVER WIRES DISCONNECTED FROM IGNITION SWITCH (VIEW 1).
2. REATTACH WIRES TO TERMINALS (SEE VIEW 2 & FIG 1.0).
3. SLIDE TUBING UNTIL OVER SWITCH BODY UNTIL TOUCHING BACKSIDE OF LID (SEE VIEW 3).
4. <PARA >HEAT THE TUBING (ITEM 1) WITH A HEAT GUN OR BUTANE TORCH BACK AND FORTH (SEE FIG 2.0).
CAUTION: DO NOT TO MELT SURROUNDING COMPONENTS.
5. LET THE TUBING COOL (ABOUT 5 MIN.) ONCE IT'S COOL TO THE TOUCH, YOU CAN HANDLE AND BEND WIRING SLIGHTLY SO LID CLOSES.
6. CLOSE AND LOCK WITH COVER SCREWS (SEE ISO VIEW).

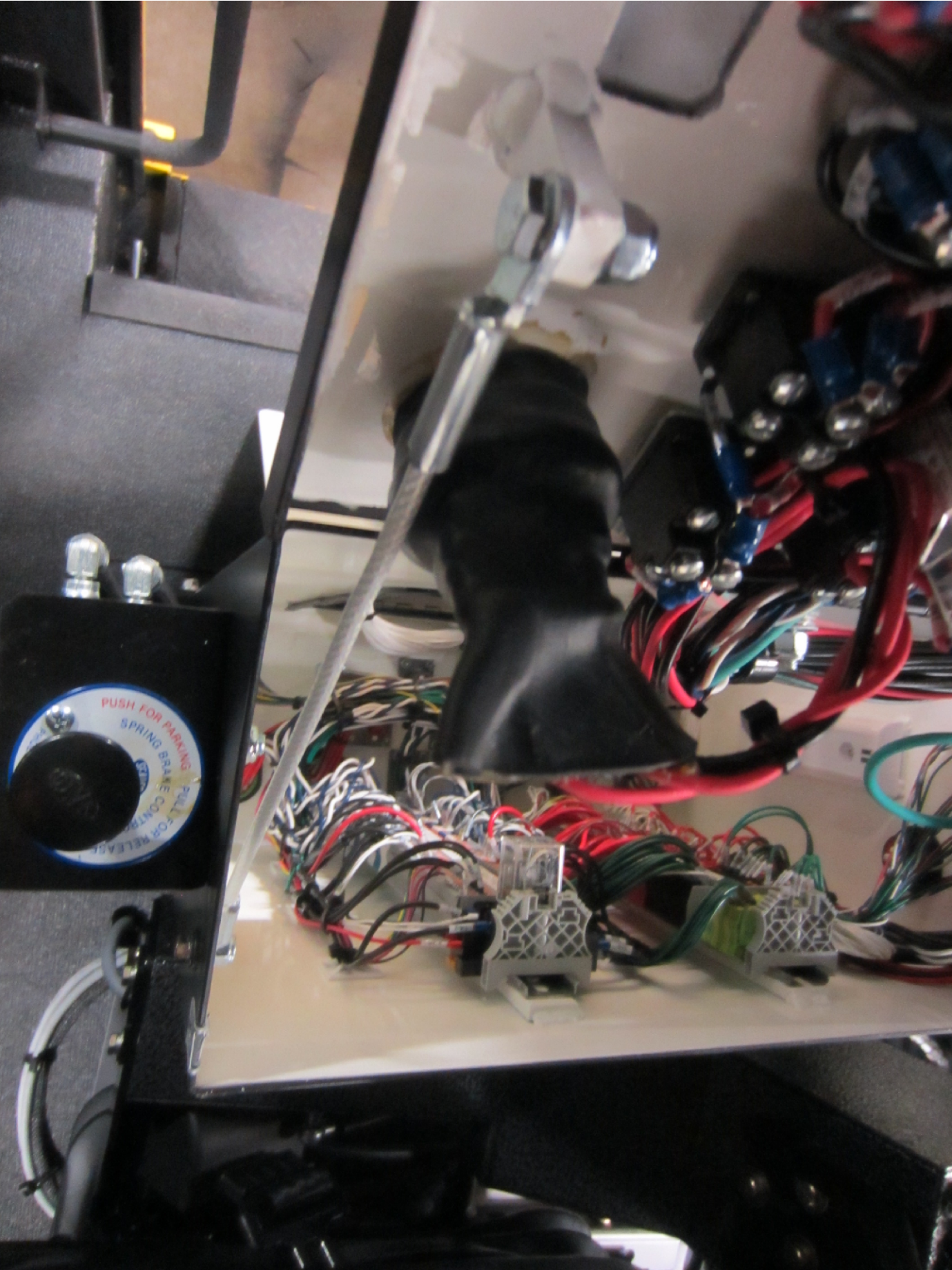
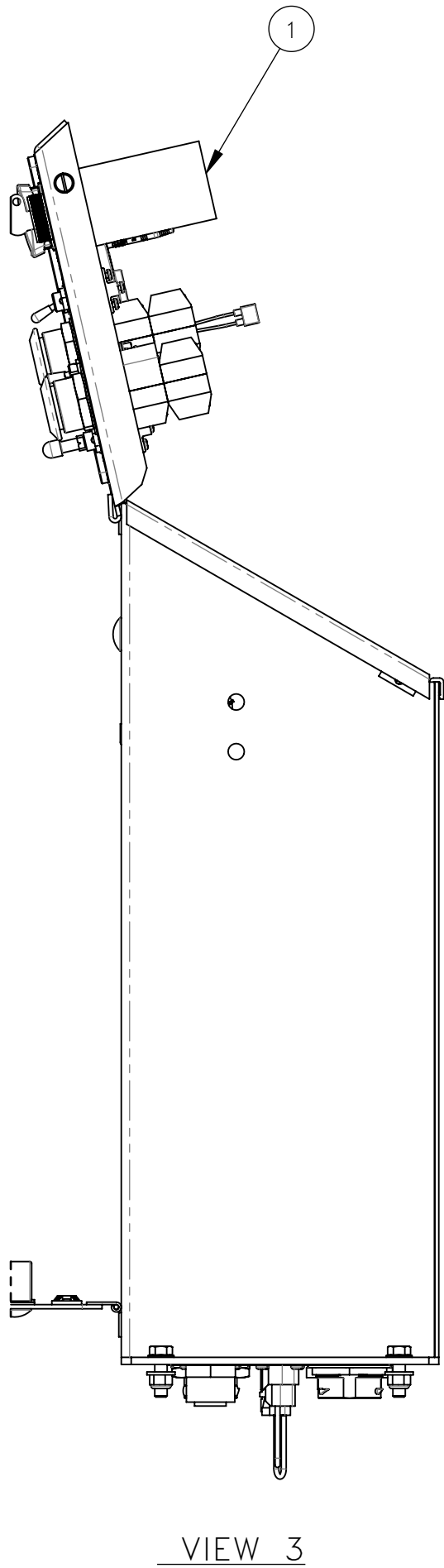
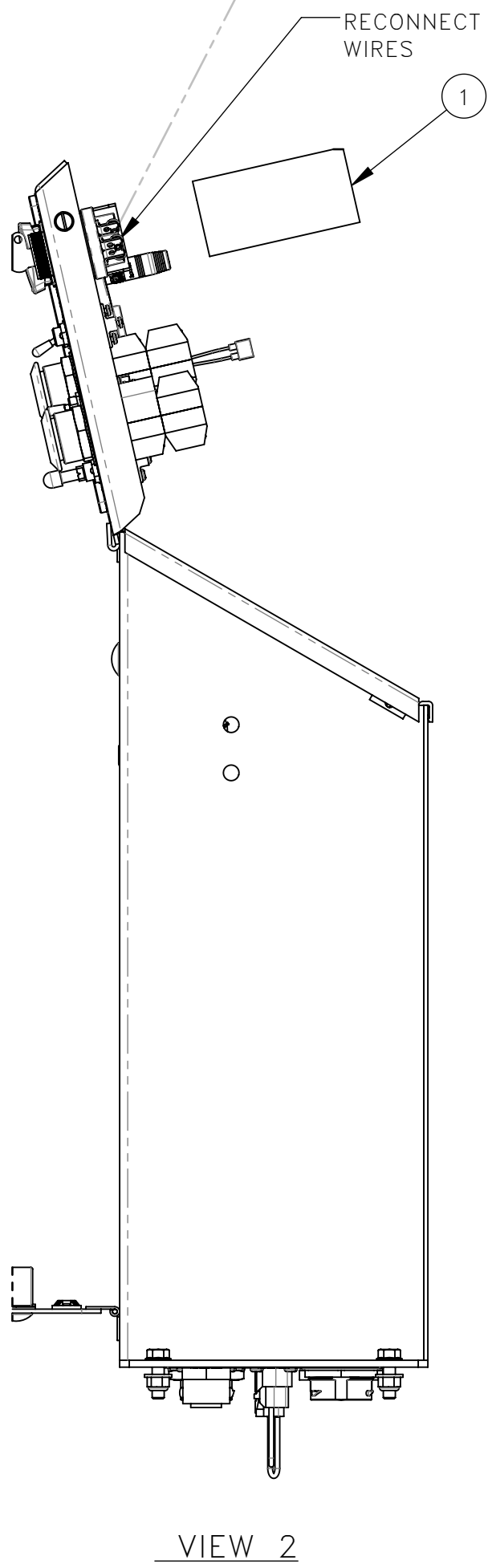
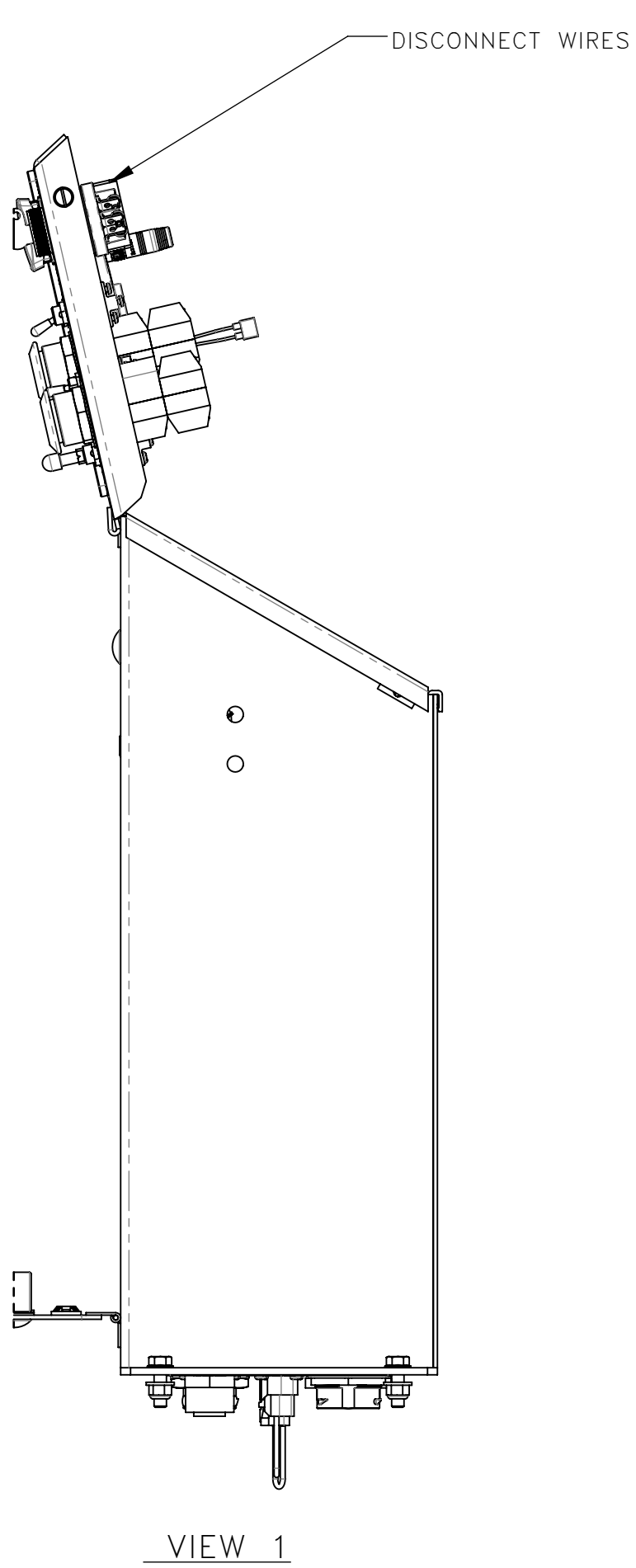


FIG. 2.0

USED ON:
ATPI'S:
930587, 932586, 932587, 931588, 933588, 935588
COMBO'S:
931583, 931584, 931585, 933583, 930582, 935582, 945582

NO.	QTY	DESCRIPTION	PART NO.
1	REF	TUBING, HEAT SHRINK W/ ADHESIVE	322999

REV	EN	DESCRIPTION		DATE	DRN
1	5984	NEW RELEASE		9-21	PR
DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED					
LINEAR		.XX=±.03	.XXX=±.010		
ANGULAR		X°=±1°	X.X°=±.5°		
SURFACE FINISH NOT TO EXCEED 125/			SMOOTH ALL SHARP EDGES CLEAN ALL WELDS		
THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS					
RACINE RAILROAD PRODUCTS RACINE, WISCONSIN USA					
DESCRIPTION					
INSTRUCTIONS, IGNITION SWITCH HEAT SHRINK KIT					
MATERIAL					
REFERENCE					
USED ON 793127			SCALE 8:1	DATE 10-28-21	
DRN PR	CHK	APP	JOB NO RD150003	SHEET 1 OF 1	
DWG SIZE		CATALOG	DWG NO		
D		A	800368		