

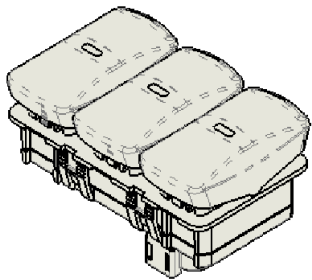
REPLACING THE E33 SWITCHES ON THE SPIKE RECLAIMER

DWG NO
800337

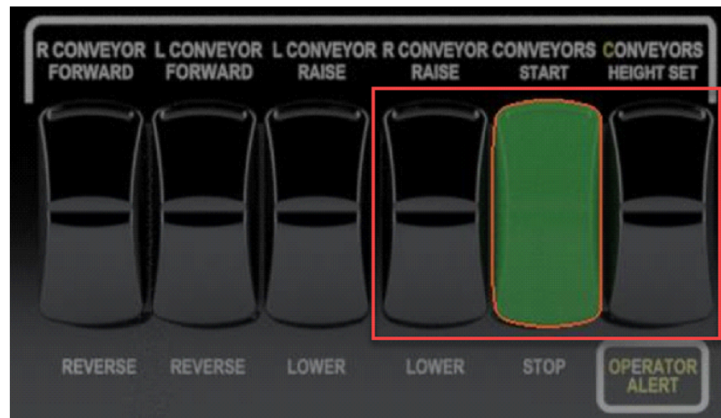
NOTE: THERE ARE THREE DIFFERENT E33 SWITCHES USED ON THE SPIKE RECLAIMER: 473914, 473915, AND 474307. EACH SWITCH AS A DESIGNATED LOCATION. DO NOT SUBSTITUTE THE SWITCHES WITH ONE ANOTHER.

473914 MODULE, 3 SWITCH MASTER [USED ON 793093]

1. DISCONNECT THE E33 HARNESS FROM THE BACK OF THE SWITCH.
2. REMOVE THE BAD E33 SWITCH.
3. REPLACE WITH THE 473914 E33 SWITCH. SEE SHEET 4 FOR ASSIGNING THE SWITCH.
4. RECONNECT THE E33 HARNESS.
5. RETURN THE BAD E33 SWITCH TO RACINE RAILROAD.



473914 E33 SWITCH



473914 E33 SWITCH LOCATION

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ NOT TO EXCEED ✓ 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, E33 SWITCH INSTALL:
TOWD

MATERIAL

REFERENCE

USED ON		SCALE	DATE
793501		4:1	10-15-20
DRN	CHK	APP	JOB NO
KW			RD180001
			SHEET
			1 OF 7
DWG SIZE	CATALOG	DWG NO	
A	N	800337	

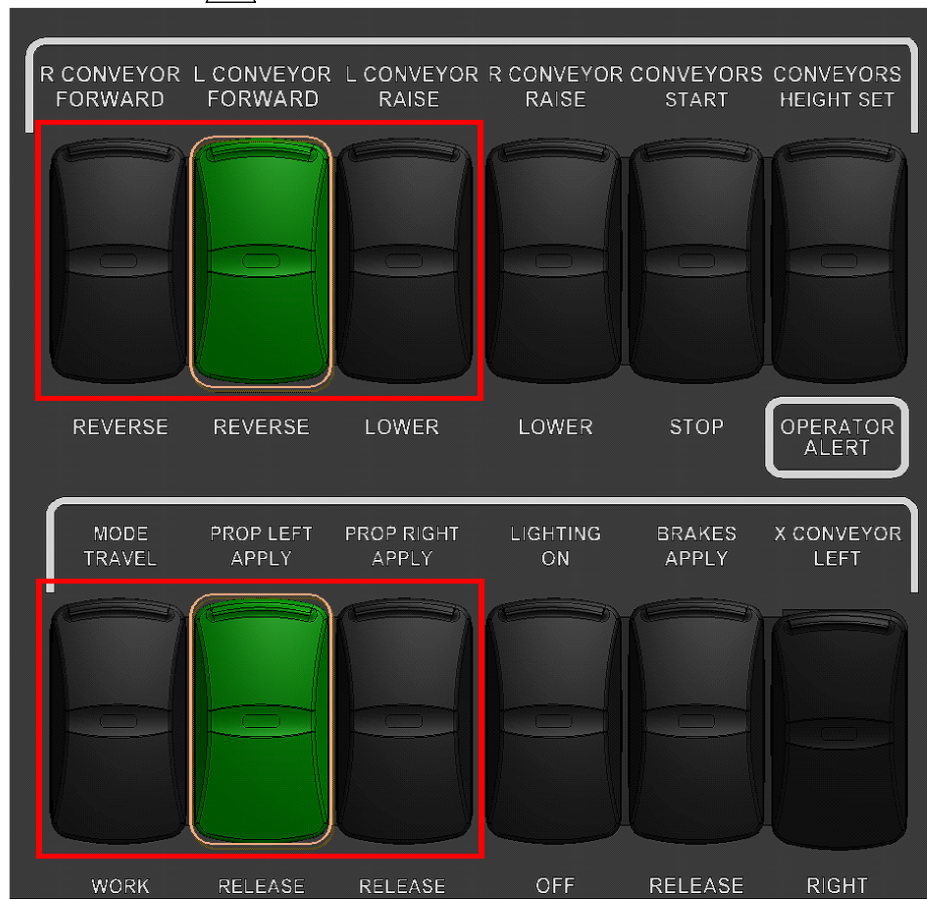
473915 MODULE, 3 SWITCH EXPANSION [USED ON 793092]

1. DISCONNECT THE E33 HARNESS FROM THE BACK OF THE SWITCH.
2. REMOVE EITHER BAD E33 SWITCH.
3. REPLACE WITH THE 473915 E33 SWITCH. SEE SHEET 4 FOR ASSIGNING THE SWITCH.
4. RECONNECT THE E33 HARNESS.
5. RETURN THE BAD E33 SWITCH TO RACINE RAILROAD.

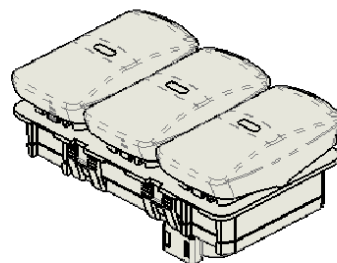
DWG NO

800337

2 2X 473915 E33 SWITCH LOCATIONS



2



473915 E33 SWITCH

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ NOT TO EXCEED ✓ 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, E33 SWITCH
INSTALL: TOWD

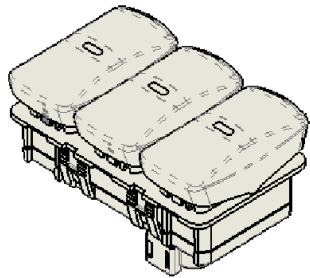
MATERIAL

REFERENCE

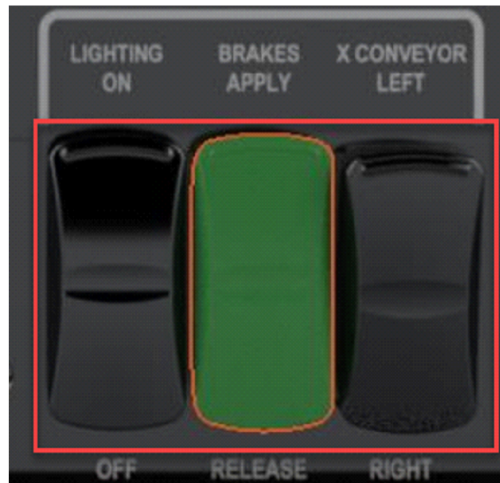
USED ON	793501	SCALE	4:1	DATE	10-15-20
DRN	KW	CHK	APP	JOB NO	RD180001
				SHEET	2 OF 7
DWG SIZE	A	CATALOG	N	DWG NO	800337

474307 MODULE, 3 SWITCH EXPANSION [USED ON 793091]

1. DISCONNECT THE E33 HARNESS FROM THE BACK OF THE SWITCH.
2. REMOVE THE BAD E33 SWITCH.
3. REPLACE WITH THE 474307 E33 SWITCH. SEE SHEET 4 FOR ASSIGNING THE SWITCH.
4. RECONNECT THE E33 HARNESS.
5. RETURN THE BAD E33 SWITCH TO RACINE RAILROAD.



474307 E33 SWITCH



474307 E33 SWITCH LOCATION

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ NOT TO EXCEED 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, E33 SWITCH
INSTALL: TOWD

MATERIAL

REFERENCE

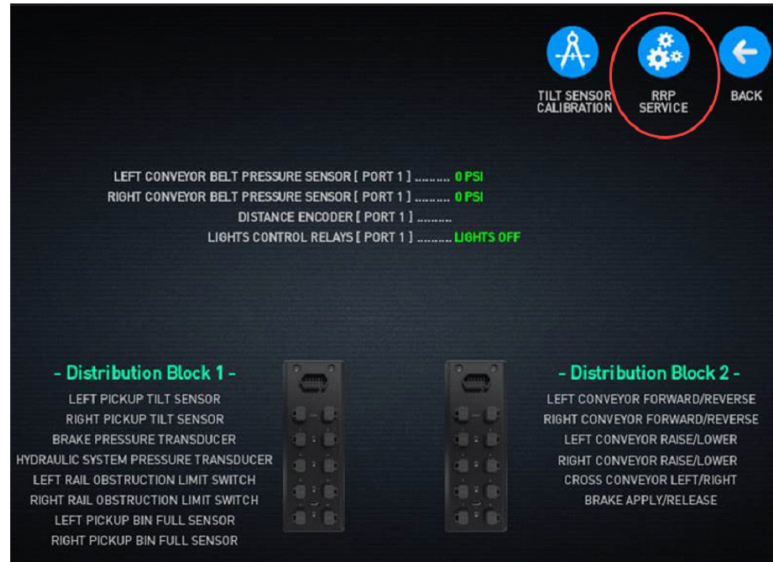
USED ON		SCALE	DATE
793501		4:1	10-15-20
DRN	CHK	APP	JOB NO
KW			RD180001
			SHEET
			3 OF 7
DWG SIZE	CATALOG	DWG NO	
A	N	800337	

HOW TO ASSIGN THE E33 SWITCH ON THE SPIKE RECLAIMER

DWG NO
800337

NOTE: THE FOLLOWING STEPS MUST BE FOLLOWED REGARDLESS OF WHAT E33 SWITCH WAS REPLACED.

1. GO TO MECHANIC SCREEN AND CLICK ON RRP SERVICE.



2. IN THE MAIN SCREEN, SELECT ADJUST.



REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ ✓ SMOOTH ALL SHARP EDGES
NOT TO EXCEED ✓ CLEAN ALL WELDS

THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS

RACINE RAILROAD PRODUCTS

RACINE, WISCONSIN USA

DESCRIPTION

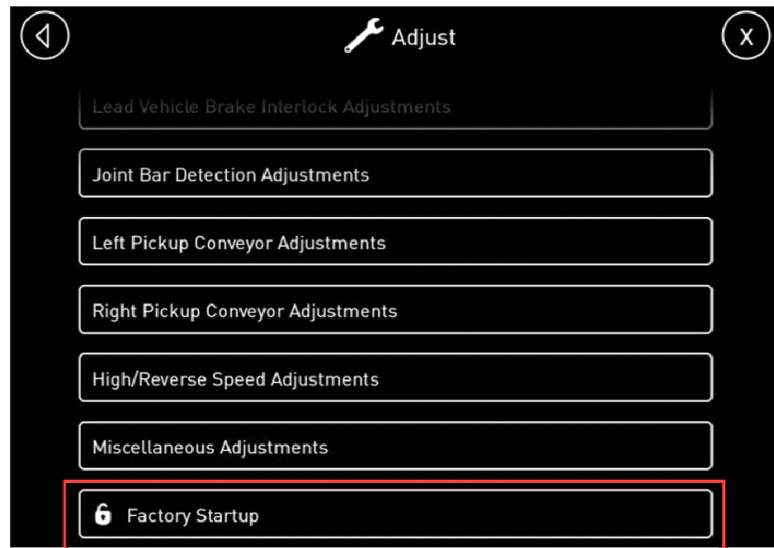
INSTRUCTIONS, E33 SWITCH
INSTALL: TOWD

MATERIAL

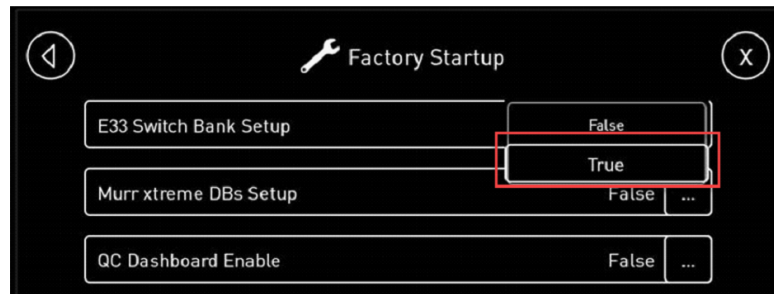
REFERENCE

USED ON		SCALE	DATE	
793501		4:1	10-15-20	
DRN	CHK	APP	JOB NO	SHEET
KW			RD180001	4 OF 7
DWG SIZE		CATALOG	DWG NO	
A		N	800337	

3. SCROLL TO **FACTORY STARTUP.**
4. ENTER PIN **1885** WHEN PROMPTED.



5. IN THE E33 SWITCH BANK SETUP OPTION SELECT **TRUE.**



DWG NO

800337

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ SMOOTH ALL SHARP EDGES
NOT TO EXCEED ✓ CLEAN ALL WELDS

THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS

RACINE RAILROAD PRODUCTS

RACINE, WISCONSIN USA

DESCRIPTION

INSTRUCTIONS, E33 SWITCH
INSTALL: TOWD

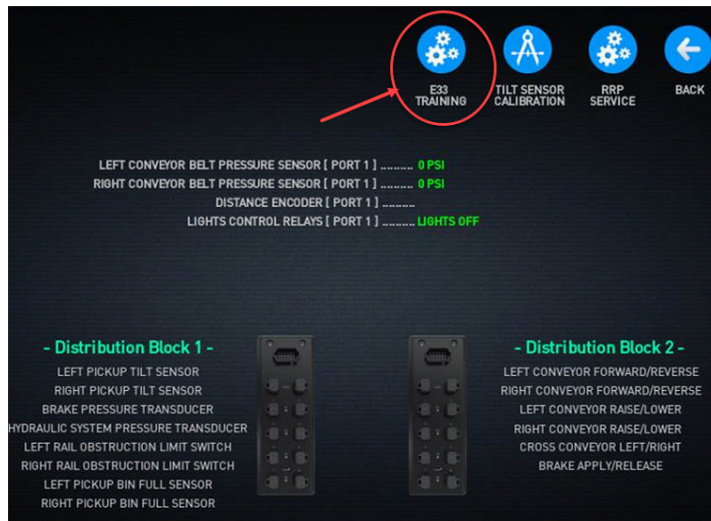
MATERIAL

REFERENCE

USED ON		SCALE	DATE
793501		4:1	10-15-20
DRN	CHK	APP	JOB NO
KW			RD180001
			SHEET
			5 OF 7
DWG SIZE	CATALOG	DWG NO	
A	N	800337	

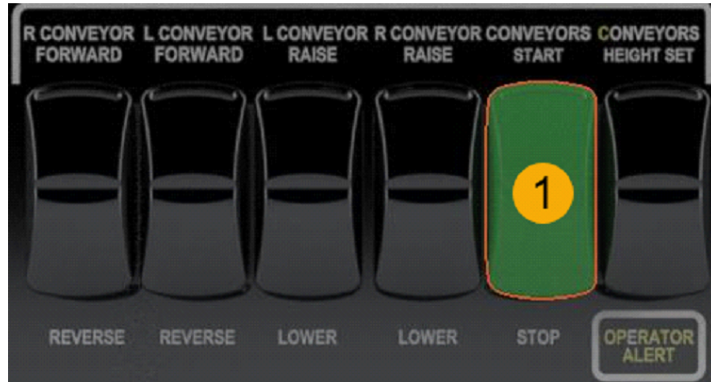
6. RETURN TO MECHANIC SCREEN.
7. PRESS AND HOLD THE **E33 TRAINING** BUTTON UNTIL YOU SEE E33 SWITCHES RESPOND WITH A LED FLASH.

NOTE: NOT ALL E33 BANK MIGHT FLASH. WHEN THE MASTER BANK STARTS TO FLASH STATES IT INDICATES THE E33 ARE IN TRAINING MODE.

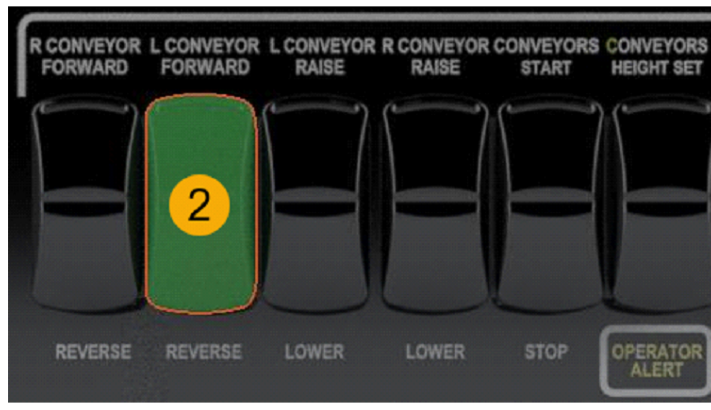


8. WITHIN 5 SECONDS PRESS THE FOLLOWING SWITCH BUTTONS IN THIS ORDER:

1. CONVEYORS START/STOP
2. L CONVEYOR FORWARD/REVERSE
3. BRAKES APPLY/RELEASE
4. PROP LEFT APPLY/RELEASE



L CONVEYOR FORWARD/REVERSE SWITCH



2

2

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ SMOOTH ALL SHARP EDGES
NOT TO EXCEED ✓ CLEAN ALL WELDS

THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS

RACINE RAILROAD PRODUCTS

RACINE, WISCONSIN USA

DESCRIPTION

INSTRUCTIONS, E33 SWITCH
INSTALL: TOWD

MATERIAL

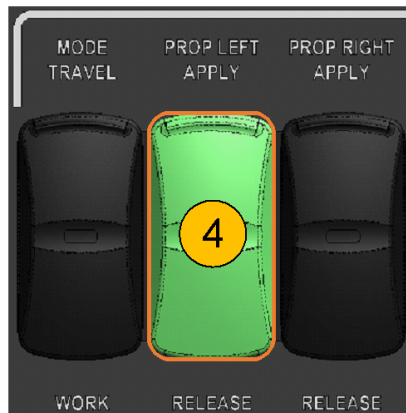
REFERENCE

USED ON		SCALE	DATE
793501		4:1	10-15-20
DRN	CHK	APP	JOB NO
KW			RD180001
			SHEET
			6 OF 7
DWG SIZE		CATALOG	DWG NO
A		N	800337

BRAKES APPLY/RELEASE SWITCH



PROP LEFT APPLY/RELEASE SWITCH 2



2

9. ONCE ALL 4 SWITCHES ARE PRESSED IN SEQUENCE STATED ABOVE, ALL THE BANKS WILL FLASH LEDS AT THE SAME TIME. THIS INDICATES THAT ALL BANKS HAVE BEEN TRAINED AND ASSIGNED.

10. CYCLE THE POWER AND TEST THE FUNCTIONS OF EACH E33 SWITCH.



CAUTION ANY OPTIONS ENABLED WITH THE *FACTORY SETUP* ADJUSTMENT GROUP WILL RESET TO *FALSE* OR DISABLE THE MACHINE WHEN POWER IS CYCLED.

REV	EN	DESCRIPTION	DATE	DRN
1	5344	NEW RELEASE	10-20	KW
2	5502	CHG 1X TO 2X 473915 MODULE USED ON 793092 (SHT 2), ADD PROP LEFT APPLY/RELEASE (SHT 6 & 7), CHG SWITCHES TO SWITCH BUTTONS (SHT 6), ALL 3 SWITCHES TO ALL 4 SWITCHES (SHT 7)	1-21	KPB

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010
ANGULAR	X°=±1°	X.X°=±.5°

SURFACE FINISH 125/ NOT TO EXCEED 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, E33 SWITCH
INSTALL: TOWD

MATERIAL

REFERENCE

USED ON		SCALE	DATE
793501		4:1	10-15-20
DRN	CHK	APP	JOB NO
KW			RD180001
DWG SIZE		CATALOG	DWG NO
A		N	800337