



Gear Mesh SRV Kit Instructions
Part # 1031588-SRV
Installation Time – 3 Hours



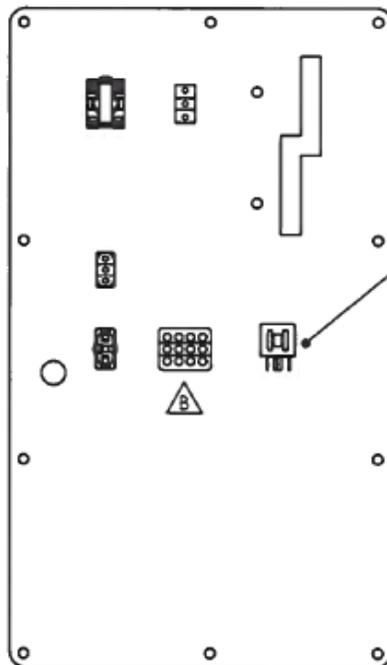
⚠ WARNING

2-SPEED GEARS ARE NOT PROPERLY ENGAGED
REPEAT 2-SPEED SHIFT CYCLE UNTIL LIGHT/BUZZER GOES OFF
NOTE: DESIRED GEAR SELECTION MAY REQUIRE MULTIPLE SHIFT CYCLES

1030451

INSTALLATION INSTRUCTIONS

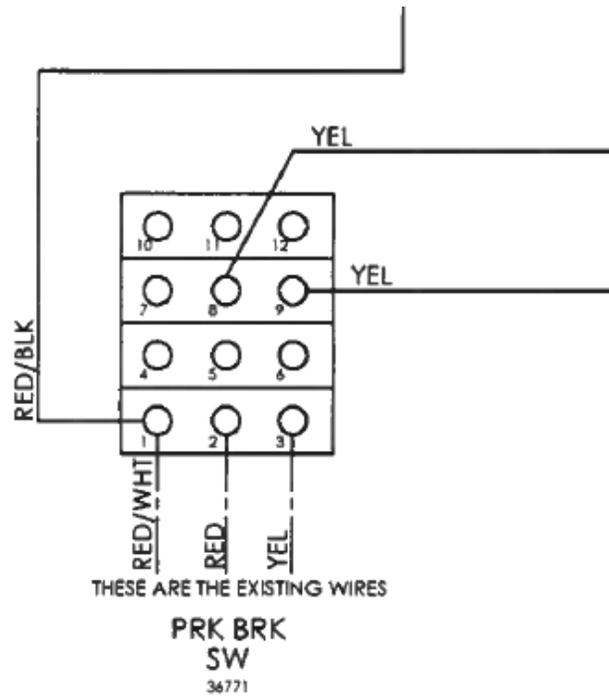
STEP 1 : PLACE RELAY ON LOWER PANEL BESIDE EXISTING PARK BRAKE SWITCH WITH 3M DOUBLE SIDED TAPE.



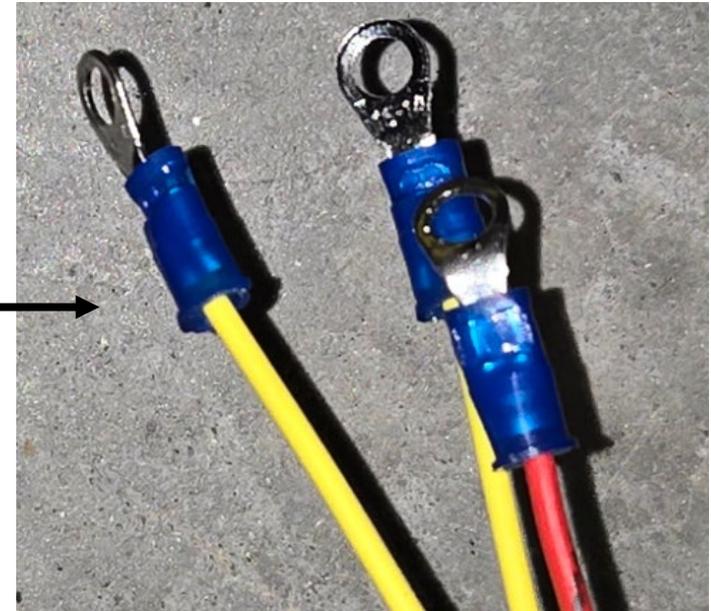
*INSTALLATION INSTRUCTION #1

MOUNT RELAY #36085 ON LOWER PANEL IN CAB USING
3M DOUBLE SIDED TAPE

STEP 2 : REMOVE EXISTING PARK BRAKE SWITCH AND REPLACE WITH PART # 36771 SWITCH. WIRE THE SWITCH TO THE SCHEMATIC PROVIDED.

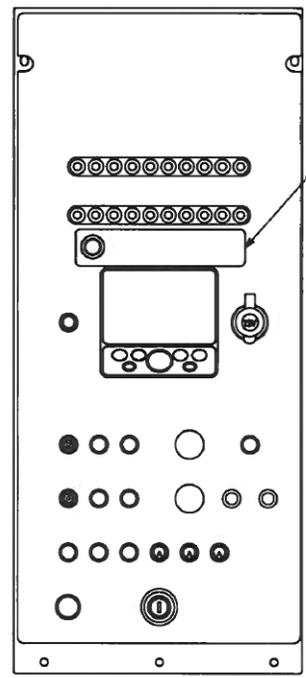


ON NEW HARNESS



STEP 3 : TAKE 1030451 DECAL AND PLACE IT ON DESIGNATED LOCATION SHOWN AND DRILL FOR BUZZER.

STEP 4 : MOUNT 36150 ALARM BUZZER INTO DRILLED HOLE ON UPPER CONTROL PANEL.

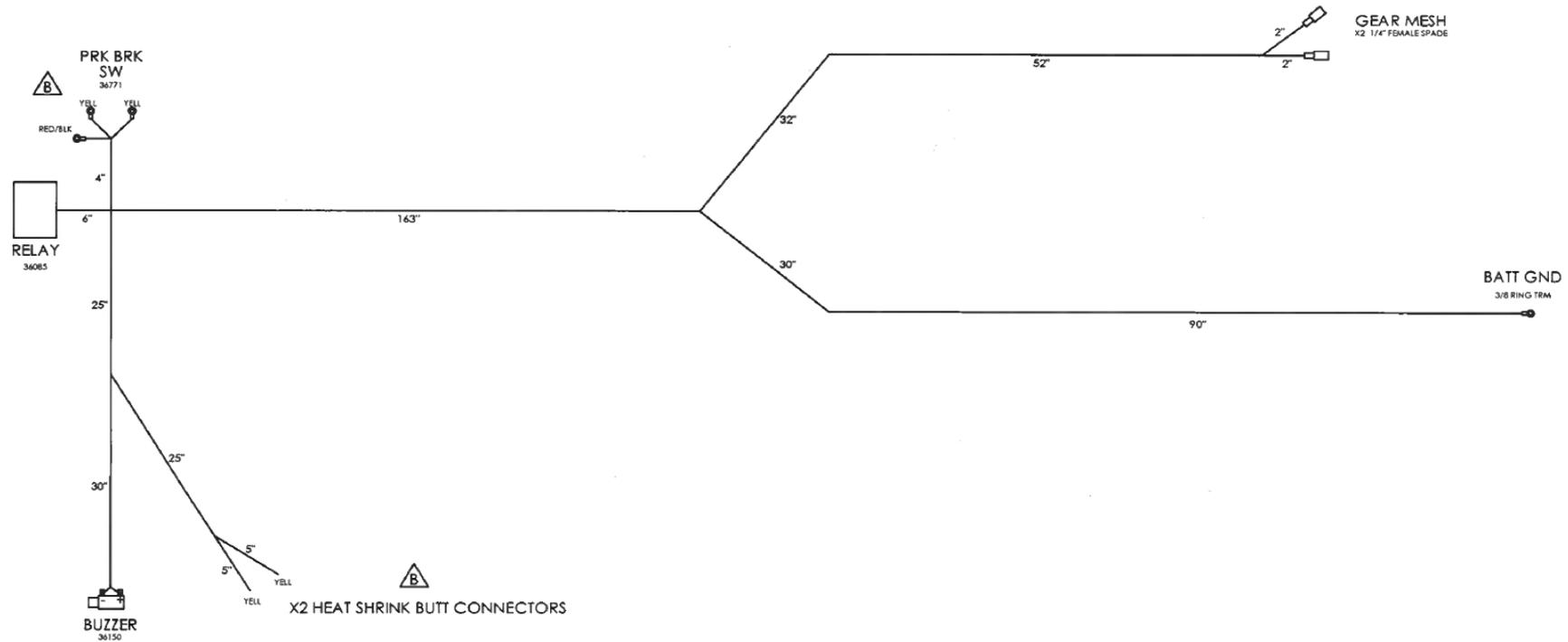


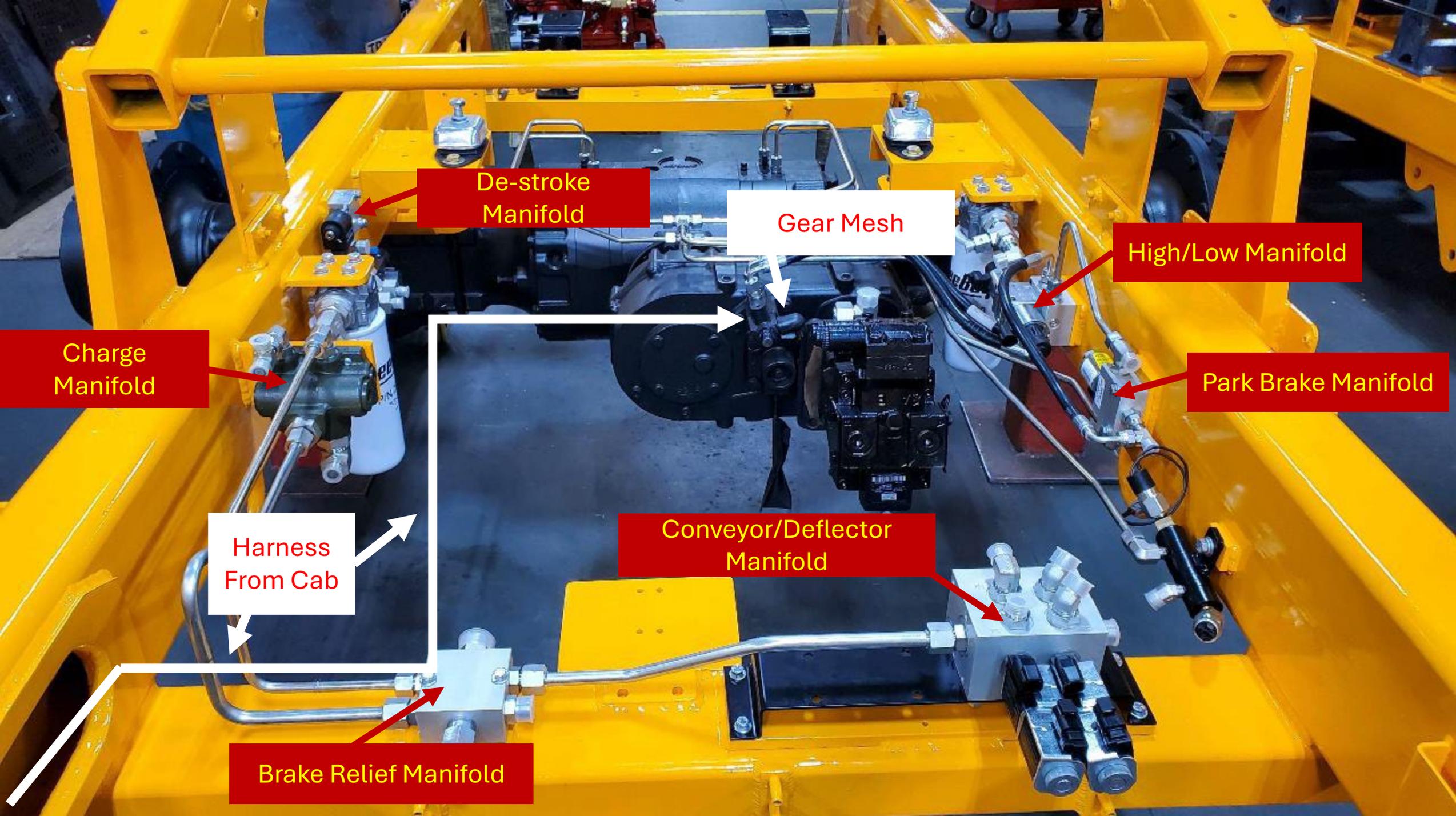
*INSTALLATION INSTRUCTION #3
PLACE 1030451 DECAL HERE ON UPPER CONTROL PANEL IN CAB
BEFORE DRILLING HOLE FOR BUZZER



STEP 5 : ROUTE HARNESS WITH EXISTING MAIN HARNESS RUNNING DOWN CAB TUNNEL CHASING EXISITING BREAKOUTS FOR DESTROKE AND BATTERY GROUND.

STEP 6 : AFTER HARNESS IS ROUTED AND SECURED TAKE TIME TO TIE UP ANY LOOSE WIRING TO PREVENT DAMAGE.





De-stroke
Manifold

Gear Mesh

High/Low Manifold

Charge
Manifold

Park Brake Manifold

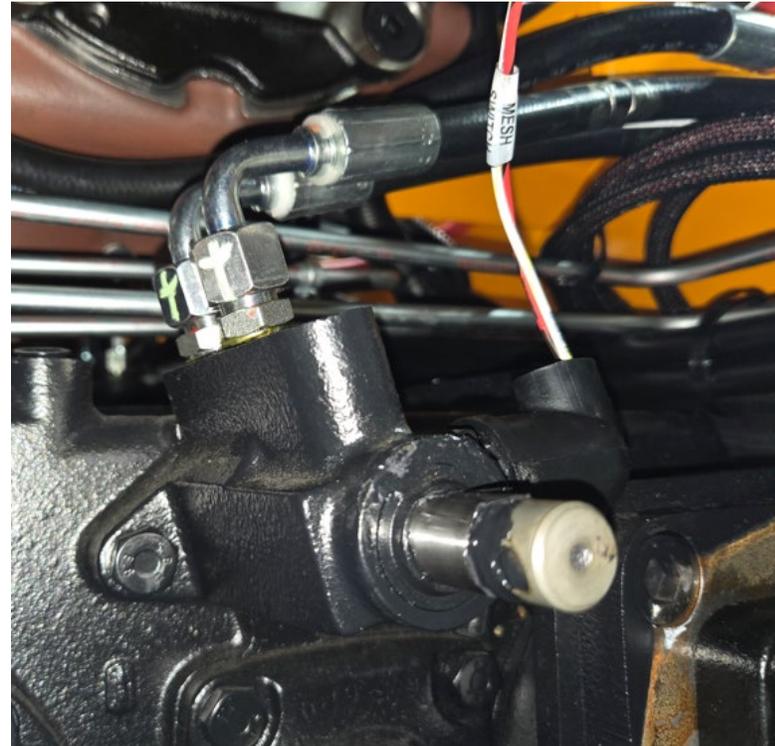
Harness
From Cab

Conveyor/Deflector
Manifold

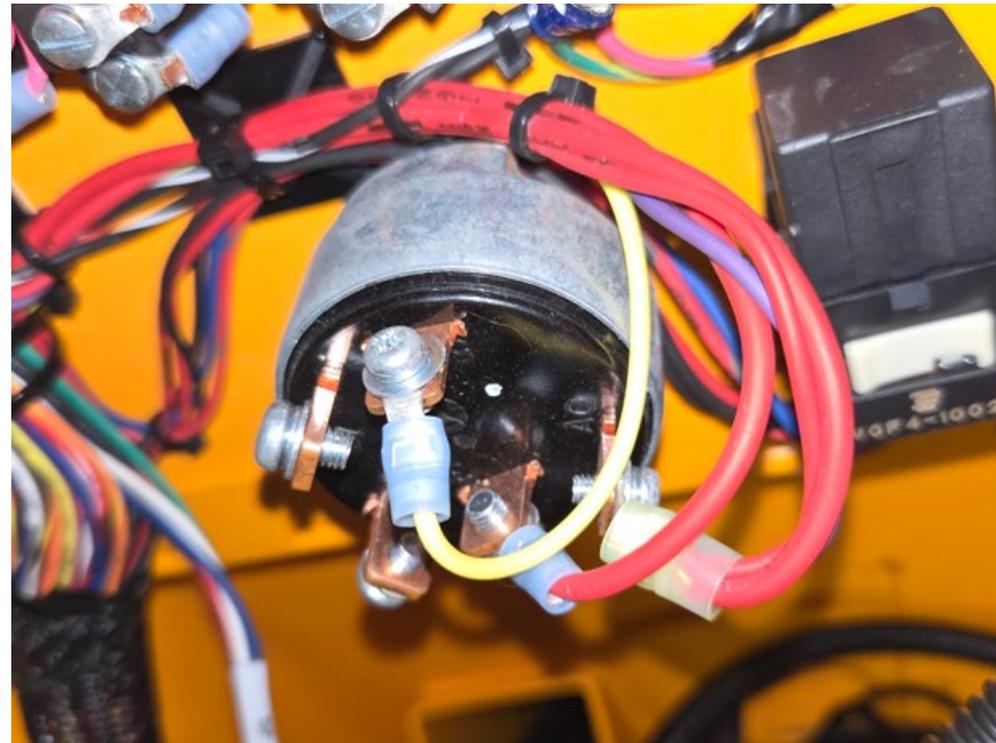
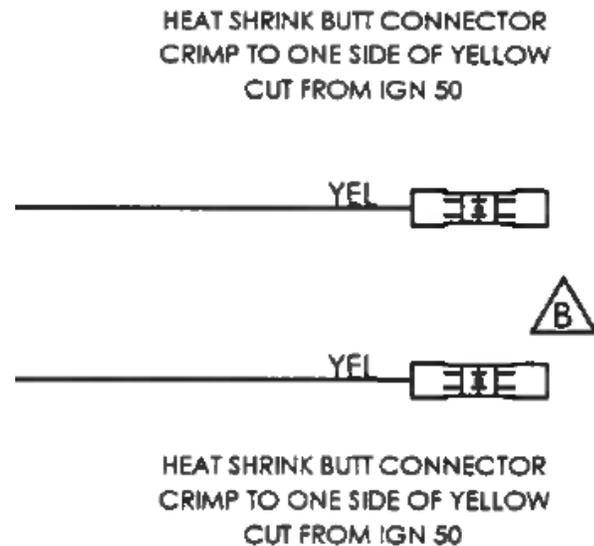
Brake Relief Manifold

STEP 7 : LOCATE GEAR MESH BREAKOUT AND CONNECT BOTH ¼" FEMALE SPADES TO SENSOR ON AXLE.
(SHOULD HAVE A RUBBER BOOT OVER SENSOR TO PREVENT WATER DAMAGE)

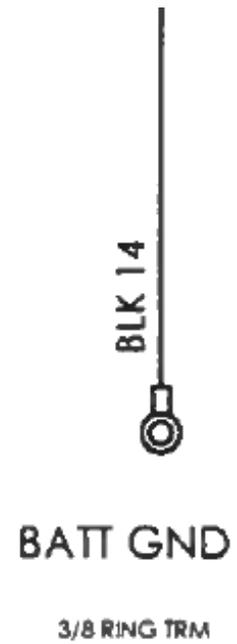
GEAR MESH
X2 ¼" FEMALE SPADE



STEP 8 : LOCATE AND CUT YELLOW WIRE GOING TO 50 POSITION ON THE IGNITION SWITCH FOUR INCHES BEHIND THE RING TERMINAL. STRIP BOTH ENDS OF THE YELLOW WIRES THAT WERE CUT AND CRIMP THE EXTRA YELLOW WIRE LEADS ON NEW HARNESS TO EACH OF THE EXISTING YELLOW WIRES USING THE INCLUDED HEAT SHRINK BUTT SPLICES.



STEP 8 : LOCATE GROUND BREAKOUT ON NEW HARNESS AND INSTALL 3/8" RING TO GROUND SOURCE.



REVISIONS			
ECH	REV	DESCRIPTION	DATE
31739	A	NEW RELEASE	04/10/2025
32425	B	CORRECTED STARTING ISSUE	6/27/2025

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	36150	1	ALARM, BUZZ/LIGHT, RED
2	36085	1	RELAY, 12VDC, SPDT, 40 AMP, 5 PIN
3	1011799-74	3	CONNECTOR, DIODE, DEUTSCH, DT04-2P-RT01
4	73192-02	6	PLUG, CAVITY, DEUTSCH CONN
5	1030451	1	DECAL, WARNING, 2-SPEED SHIFT, LOADER
6	982448	8	TERMINAL SOCKET, DEUTSCH, 14-16AWG
7	983198	1	2 PIN SOCKET, DT04-2P, DEUTSCH
8	983209	1	WEDGE, SOCKET, 2P, DEUTSCH
9	33271-12	22	WIRE, 16GA, RED, BLACK STRIPE
10	33271-53	21.5	WIRE, 16GA, WHITE/YELLOW STRIPE
11	33271-27	24	WIRE, 16GA, RED/WHITE STRIPE
12	33271-7	8	WIRE, 16GA, RED
13	38519-1	29.5	WIRE, 14GA, BLACK
14	983199	3	CONN, 02-PIN, PLUG, DT04-2S
15	983208	3	CONN, WEDGE, PLUG, 2P, DEUTSCH
16	36771	1	SWITCH, TOGGLE, 4PDT, 2-POSITION
17	33271-2	10	WIRE, 16GA, YELLOW

INSTALLATION INSTRUCTIONS:

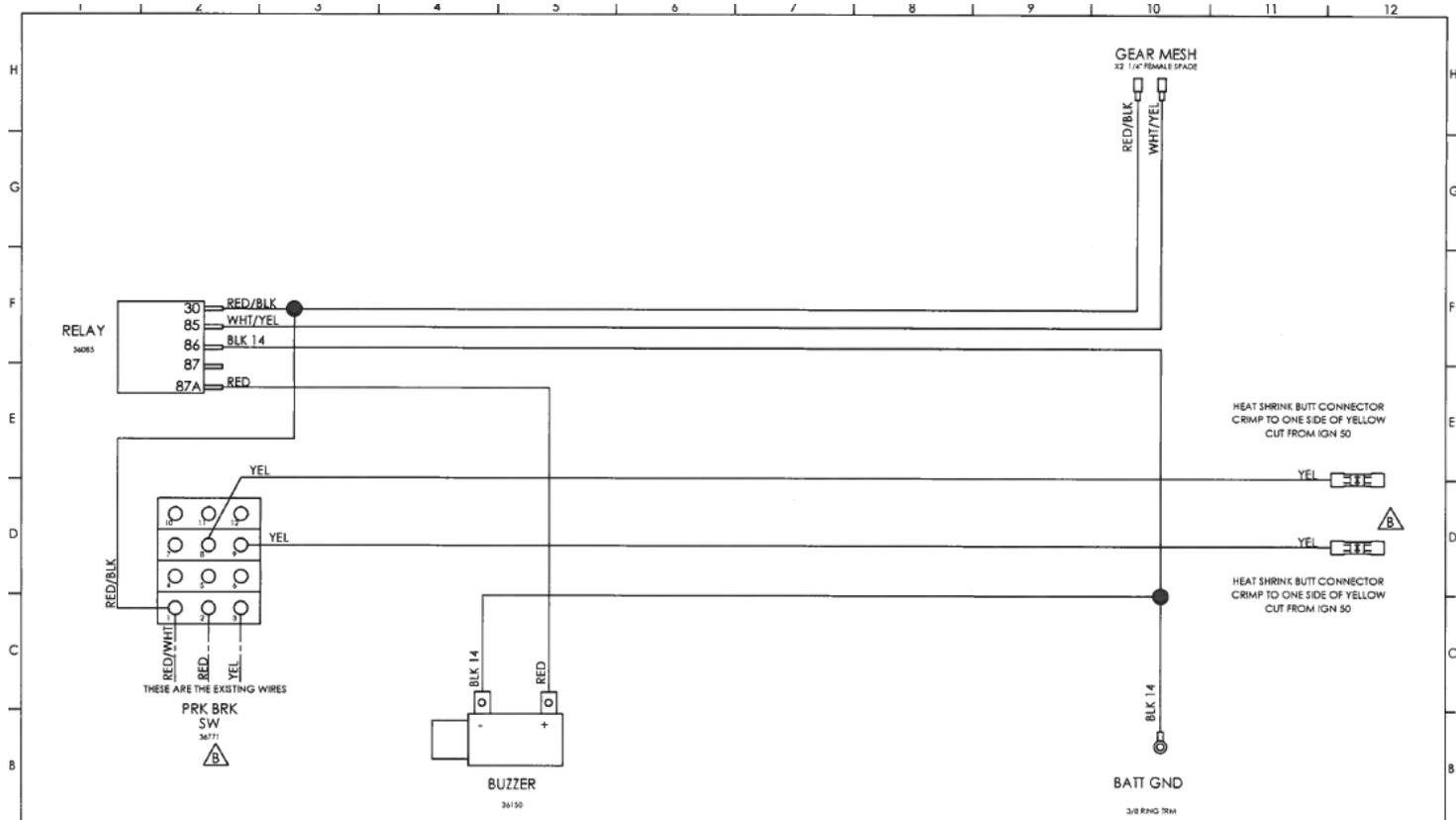
- PLACE RELAY ON LOWER PANEL (#1011646/#1031588) BESIDE EXISTING PARK BREAK SWITCH WITH 3M DOUBLE SIDED TAPE
- REMOVE EXISTING PARK BRAKE SWITCH AND REPLACE WITH 36771 SWITCH, NOTES ON SHEET 3 WILL SHOW HOW SWITCH NEEDS TO BE WIRED
- TAKE 1030451 DECAL AND PLACE IT ON DESIGNATED LOCATION SHOWN ON SHEET 4 AND DRILL OUT HOLE FOR BUZZER TO MOUNT TO PANEL
- MOUNT 36150 ALARM, BUZZER INTO DRILLED HOLE ON UPPER CONTROL PANEL
- ROUTE HARNESSSES WITH EXISTING MAIN HARNESS RUNNING DOWN CAB TUNNEL CHASING EXISTING BREAKOUTS FOR DESTROKE SW, DESTROKE AND BATT GROUND
- AFTER HARNESS IS ROUTED AND SECURED TAKE TIME TO TIE UP ANY LOOSE WIRING TO PREVENT DAMAGE
- LOCATE GEAR MESH BREAKOUT AND CONNECT BOTH 1/4" FEMALE SPADES TO SENSOR ON AXLE (SHOULD HAVE A RUBBER BOOT OVER SENSOR TO PREVENT WATER DAMAGE)
- LOCATE AND CUT YELLOW WIRE GOING TO 50 ON THE IGNITION SWITCH ON 1031587 PANEL IN HALF AROUND 2 TO 4 INCHES BEHIND THE RING TERMINAL ON THE IGN SWITCH. STRIP BOTH ENDS OF YELLOW WIRES THAT WERE CUT AND CRIMP THE EXTRA YELLOW WIRE LEADS INCLUDED WITH KIT ON TO EACH SIDE OF EXISTING YELLOW WIRES USING THE INCLUDED HEAT SHRINK BUTT SPLICES
- YOU SHOULD NOW HAVE 2 LEADS THAT ARE CRIMPED TO THE 2 SEPERATE WIRES THAT YOU CUT. THERE SHOULD BE #10 RINGS CRIMPED TO THE OTHER SIDE OF THE LEADS CONNECT THEM AS SHOWN IN IMAGES ON SHEET 5 NOTE 11 TO THE NEW 36771 SWITCH. DOUBLE CHECK THAT YOUR CONNECTIONS ALSO MATCH THE WIRING SCHEMATIC ON SHEET 3 THIS ADDED CIRCUIT SHOULD BREAK IGNITION AND WILL "NOT" ALLOW YOU TO START MACHINE UNLESS PARKING BRAKE IS IN THE ON POSITION
- LOCATE GROUND BREAKOUT ON SRV KIT HARNESS AND INSTALL 3/8 RING ON THE GROUND POST OF BATTERY
- MORE INSTALL INFORMATION WILL BE NOTED ON OTHER SHEETS AND BALLOON ITEMS AS WELL

GENERAL FABRICATION TOLERANCE - INCH		FINISH PER LEEBOY SPECIFICATION DRAWING 1014877		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVAL		DATE		1031588-SRV										
SURFACE: 70/		GENERAL MACHINING TOLERANCE		SURFACE: 10/		DRAWN BY		DATE		HARNESSES, GEAR MESH SRV KIT, 3000C										
>	0.000	3.000	12.000	24.000	48.000	96.000	120.000	240.000	0.000	1.000	3.000	6.000	12.000	36.000	CHECKED BY		DATE		LOADER / 3000C	
s	3.000	12.000	24.000	48.000	96.000	120.000	240.000	—	1.000	3.000	6.000	12.000	36.000	—	SDD		07/01/2025		REV	
h	0.015	0.031	0.063	0.094	0.125	0.188	0.250	0.500	0.005	0.010	0.015	0.031	0.063	0.094					B	
ANGLE	±0.5°	±1.0°	±2.0°	±3.0°	±0.1°	±0.3°	±0.5°	—	SHEET SCALE: 1:4		THIRD ANGLE PROJECTION		SHT SIZE: B		SHT 1 OF 4		PART WEIGHT: LBS			



ST ENGINEERING LEEBOY,
 500 LINDSEY COUNTY
 PA RYAN AV
 LINDSEY, NC 28992

INFORMATION CONTAINED ON THIS DRAWING IS THE
 SOLE PROPERTY OF LEEBOY. ANY REPRODUCTION IN
 PART OR WHOLE WITHOUT THE WRITTEN PERMISSION
 OF LEEBOY IS PROHIBITED.



GENERAL FABRICATION TOLERANCE - INCH										FINISH PER LEEBOY SPECIFICATION DRAWING 1014877										
SURFACE: 70					SURFACE: 12					SURFACE: 70					SURFACE: 12					
>	0.000	3.000	12.000	24.000	48.000	96.000	120.000	240.000	0.000	1.000	3.000	6.000	12.000	36.000	0.000	1.000	3.000	6.000	12.000	36.000
±	0.015	0.031	0.063	0.094	0.125	0.188	0.250	0.500	0.005	0.010	0.015	0.031	0.063	0.094	0.005	0.010	0.015	0.031	0.063	0.094
ANGLE	±0.5°		±1.0°		±2.0°		±3.0°		±0.1°		±0.3°		±0.5°		±0.1°		±0.3°		±0.5°	



ST ENGINEERING LEEBOY,
500 LINCOLN COUNTY
PARKWAY EXT
LINCOLN, NC 28092

APPROVAL	DATE	1031588-SRV
DRAWN BY C.J.L	04/09/2025	HARNES, GEAR MESH SRV KIT, 3000C
CHECKED BY S.D.D	07/01/2025	
INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF LEEBOY. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LEEBOY IS PROHIBITED.		LOADER / 3000C
THIRD ANGLE PROJECTION	3/4	REV B