



STX275, STX325, STX375, STX425, STX450 Steiger Tractors

P.I.N. JEE0102001 and After

Service Manual

6-14443

CASE

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Rac 6-10120

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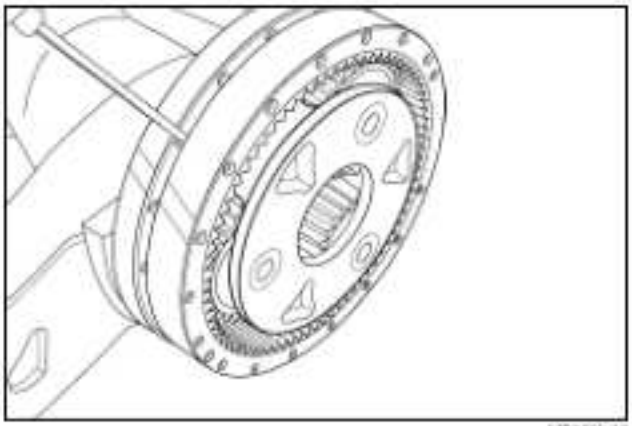
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FINAL DRIVE DISASSEMBLY

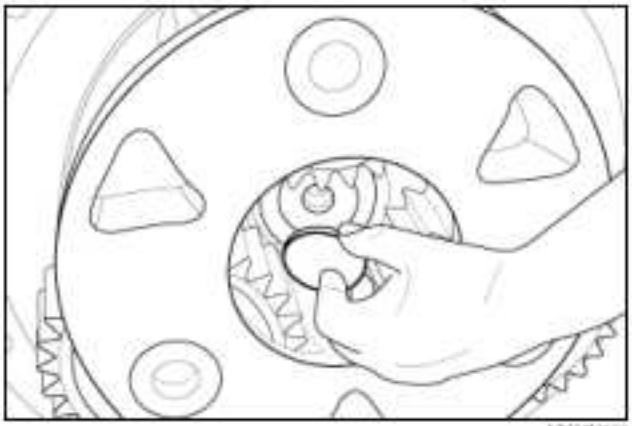
STEP 9



MD05K147

Remove the stationary ring gear from the axle housing.

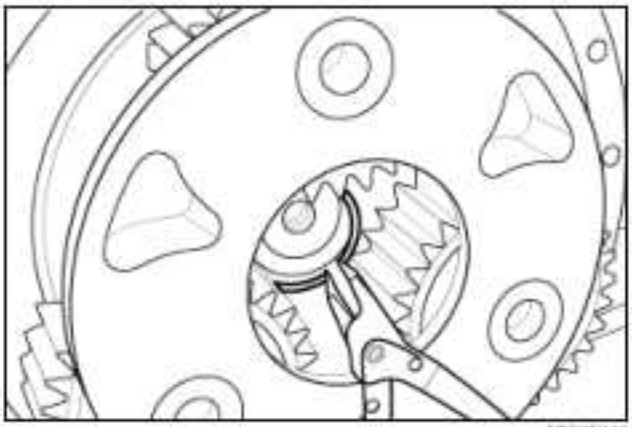
STEP 10



MK09N190

Remove the nylon thrust button from the end of the axle shaft.

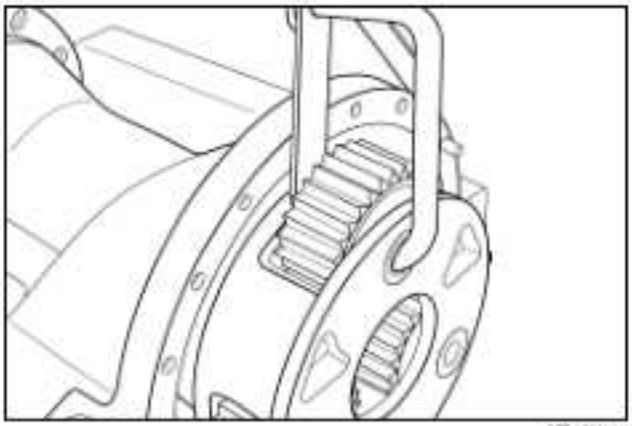
STEP 11



MK09N189

Remove the snap ring securing the planetary carrier assembly to the axle.

STEP 12

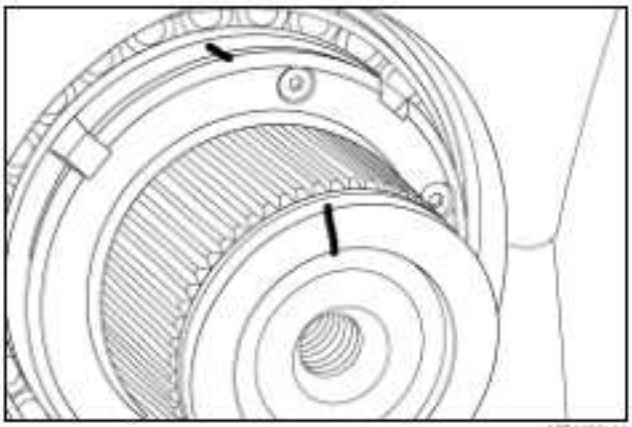


MD05K148

Use the CAS 2676 Planetary Carrier Lifting Hook to remove the planetary assembly from the housing.

IMPORTANT: *Be sure the retaining strap is positioned behind the gear to prevent the lifting fixture from pulling out of the pinion gear shaft.*

STEP 13

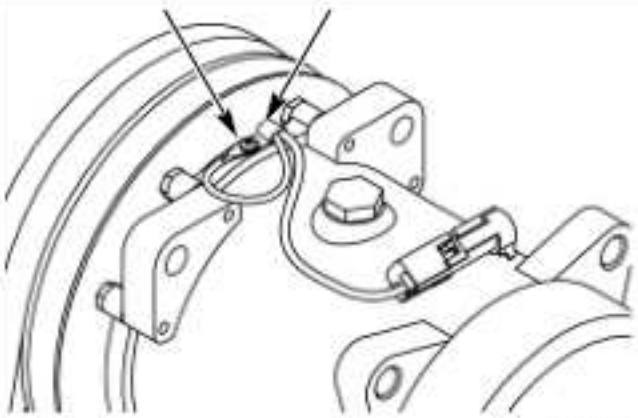
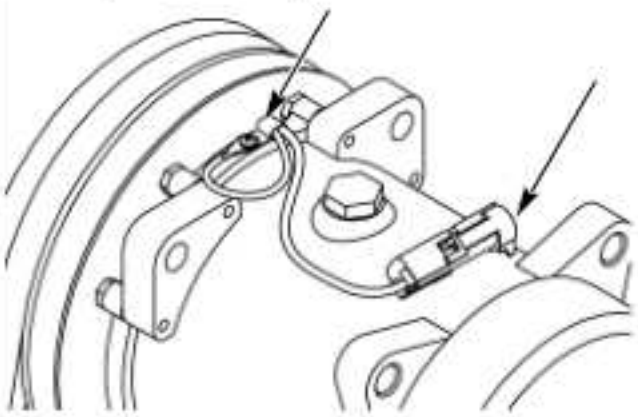


MD05K149

Use a dye marker to indicate lock nut orientation on the axle shaft.

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Clutch Relay Power Supply and Ground Test

Steps and Test Point	Corrective Actions
NOTE: *If both the blower motor and the compressor are not operating, check fuse 26 and the blower control circuit before testing the clutch relay.* **NOTE:** *This procedure assumes that the clutch has NOT been latched OFF by the controller due to high or low pressure switch activation and that the pressure warning lamp is not flashing on the A/C switch.*	
 R601H035 1. Keyswitch and A/C switch OFF. Test continuity between clutch screw and ground screw on compressor mounting bracket. Less than 1 ohm?	YES - Go to next Step. NO - Repair open circuit or replace wire. Retry the unit. NOT OK - Go to next Step.
 R601H035 2. Measure resistance from C72-1through clutch to ground screw on bracket. Is resistance between 3.6-4.2 K ohms?	YES - Go to next Step. NO - If open line or resistance is severely out of range, replace the clutch.
3. Keyswitch and A/C switch ON; blower control on any speed but OFF, temperature control to maximum cooling. Is 12V present at male harness connector to clutch?	YES - Clutch tests okay. Check for flashing warning lamp on A/C switch. NO - Go to next Step.
4. Is 12V present between pin A on 5-pin connector at controller and chassis ground? **NOTE:** *Refer to Accessing the HVAC Box at the end of this Section if required.*	YES - Go to Step 6. NO - Go to next Step.

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ELECTRICAL SCHEMATIC DIAGRAM
INF11575
NAO STX SERIES TRACTOR
POWERSHIFT VERSION

FRAME 1

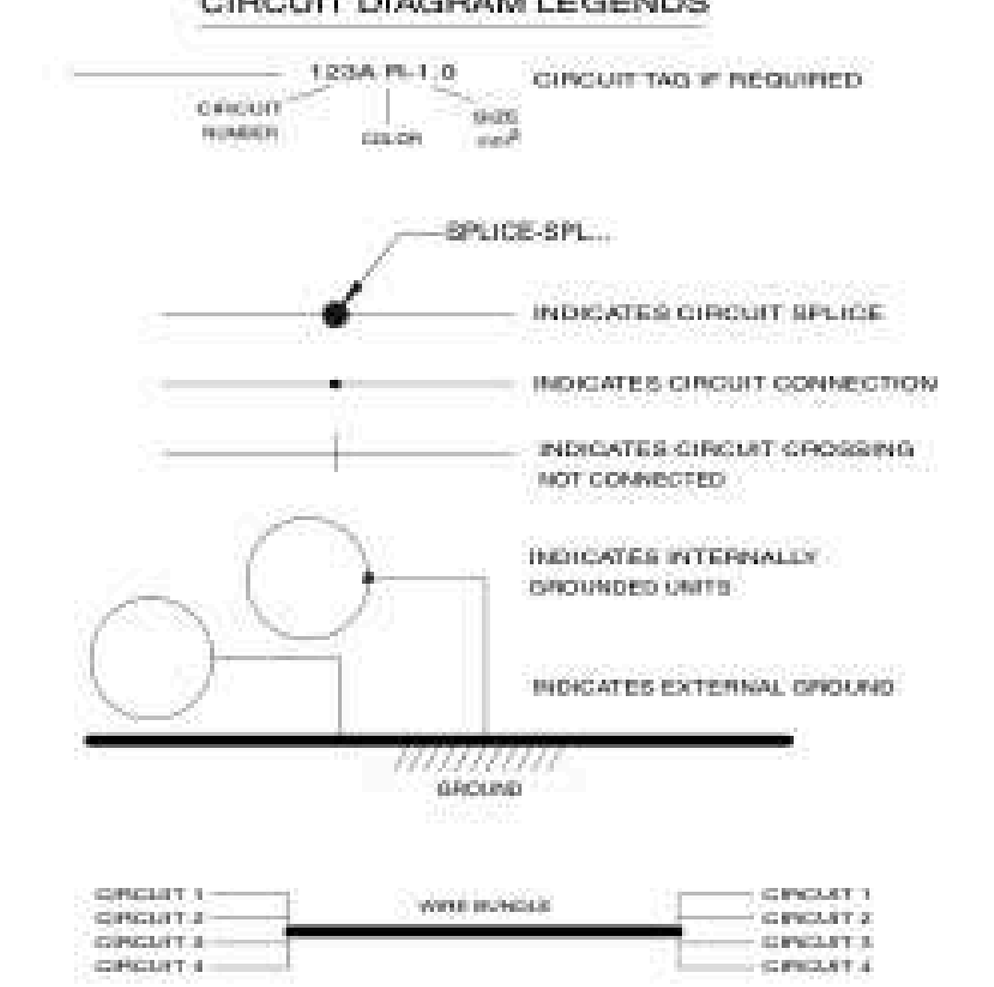


FRAME 2

COLOR ABBREVIATIONS

ABBREVIATION---COLOR	ABBREVIATION---COLOR
R---RED	OR---ORANGE
T---TAN	K---PINK
W---WHITE	V---VIOLET (PURPLE)
Y---YELLOW	DU---DARK BLUE
BK---BLACK	LU---LIGHT BLUE
N---BROWN	DG---DARK GREEN
S---GREY	LG---LIGHT GREEN

CIRCUIT DIAGRAM LEGENDS



FRAME 3

TABLE OF FUSES

TABLE OF RELAYS

FRAME 4

TABLE OF CONNECTOR LOCATIONS

FRAME 5

TABLE OF CONNECTOR LOCATIONS (CONTINUED)

FRAME 6

TABLE OF CONNECTOR LOCATIONS (CONTINUED)

FRAME 7

TABLE OF CONNECTOR LOCATIONS (CONTINUED)

FRAME 8

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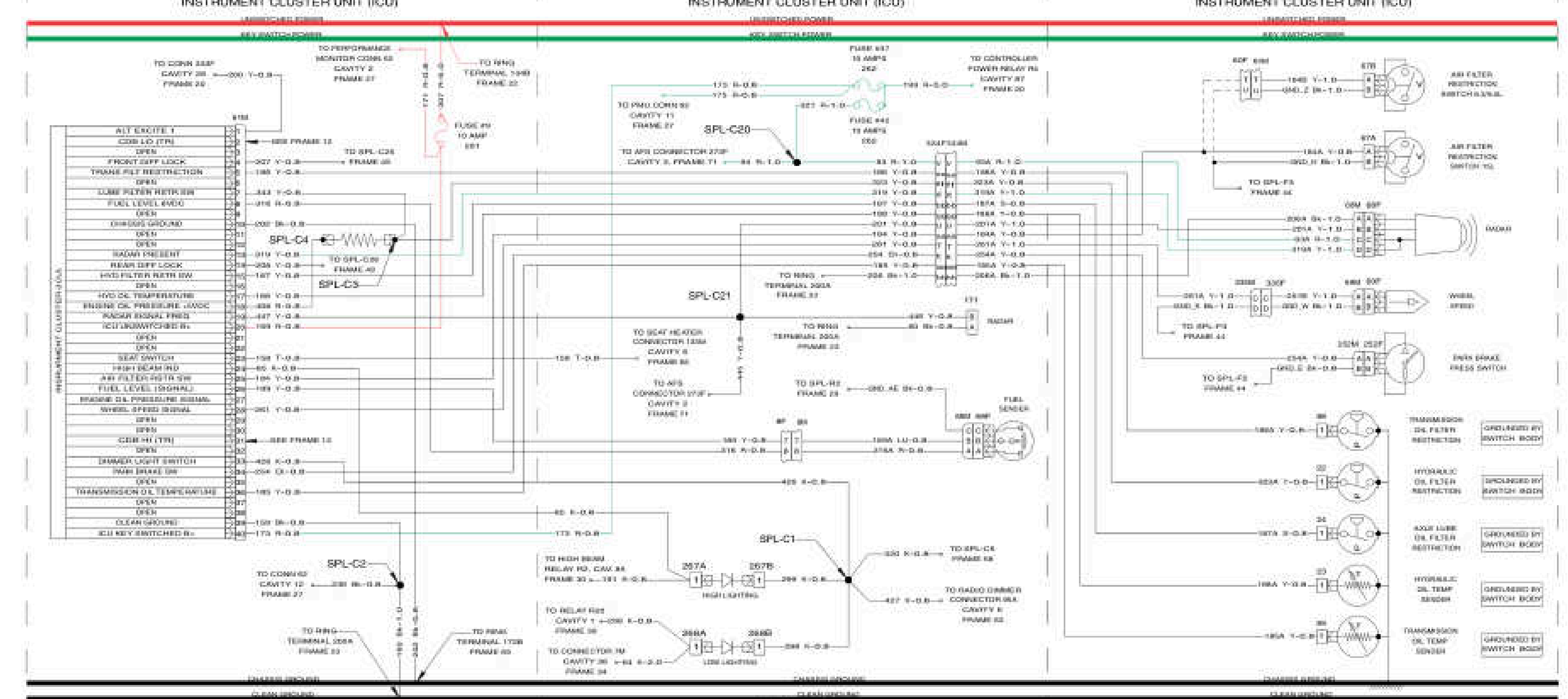
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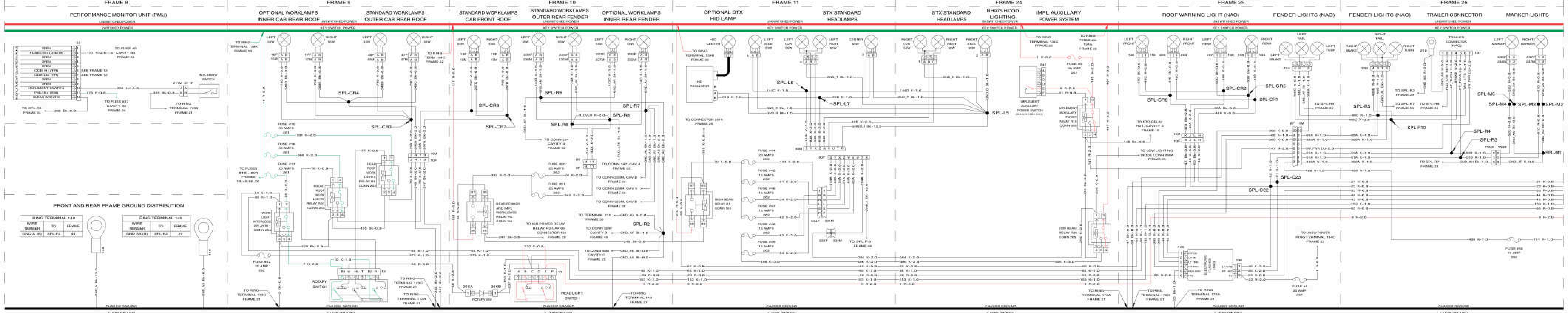
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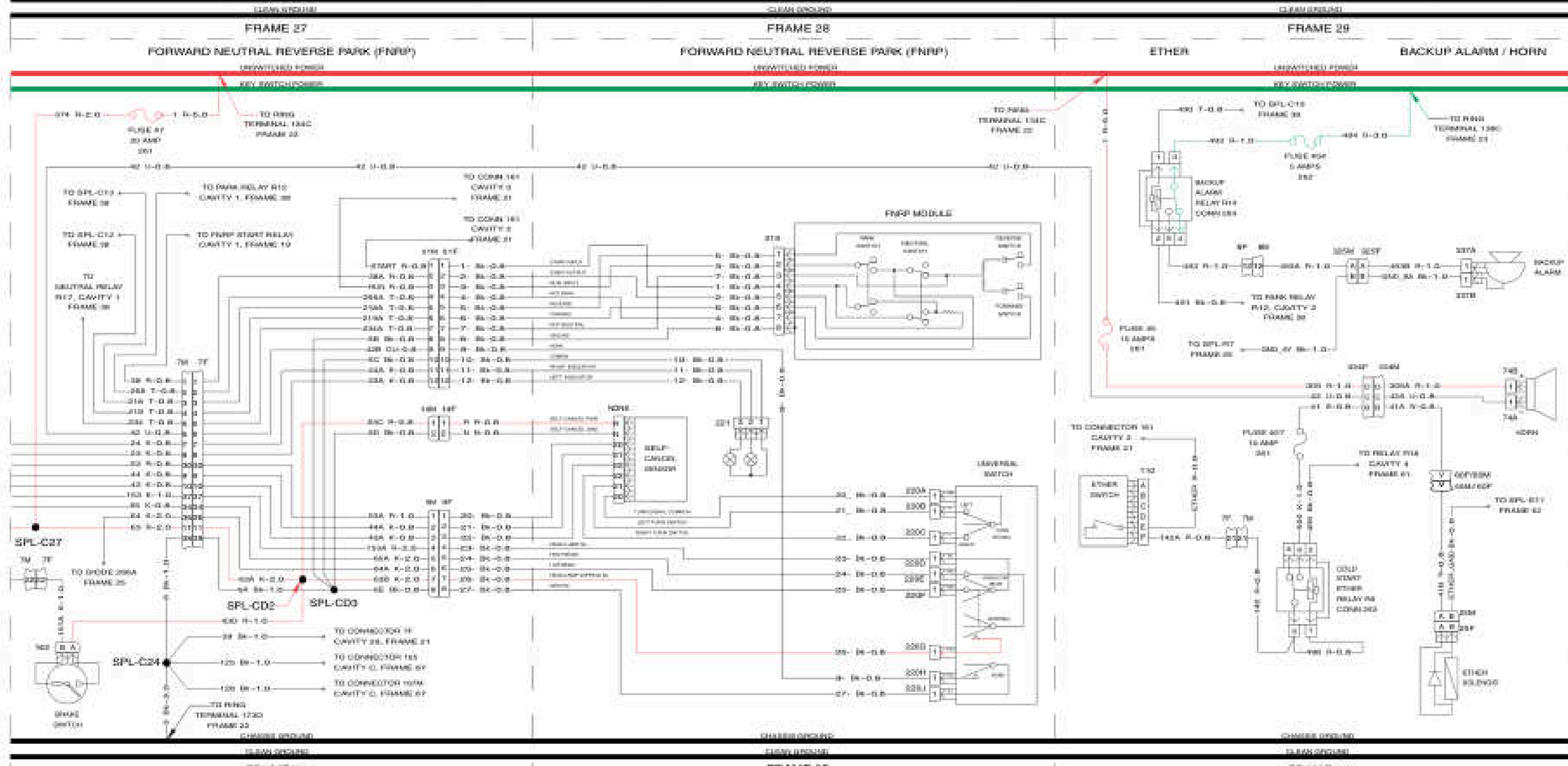
FRAME 11



FRAME 24 FRAME 25 FRAME 26



FRAME 27 FRAME 28 FRAME 29 FRAME 30 FRAME 31 FRAME 32 FRAME 33



FRAME 34 FRAME 35 FRAME 36

STX SERIES TRACTORS
STX-275/325, STX-375/425/450
P.I.N. JEE 0099501 AND AFTER
POWERSHIFT TRANSMISSION
ELECTRICAL SCHEMATIC
RAC. 6-12250

LEGEND

INDICATES CONSTANT POWER (red)

INDICATES POWER WHEN KEY SWITCH IS ON (green)

NOTE: TRANSMISSION CONTROL LEVER IN PARK