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Flex Air 810

Applicator

from PIN YCT033001 and above

SERVICE MANUAL

Part number 84588406
1st edition English
July 2012

CASE IH AGRICULTURE

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Personal safety - Do not operate tag

Flex-Air 810

⚠ WARNING

Maintenance hazard!
Before you start servicing the machine, attach a DO NOT OPERATE warning tag to the machine in a visible area.
Failure to comply could result in death or serious injury.

W0004A

Attach a DO NOT OPERATE (TAG) to the machine in an area that is clearly visible whenever the machine is not operating properly and/or requires service.
Complete the tag information for the "REASON" the tag is attached by describing the malfunction or service required.
Validate the reason for attaching the tag by signing your name in the designated area on the tag.
The tag should only be removed by the person who signed and attached the tag, after validating the repairs or services have been completed.



Tag Components

A. DO NOT REMOVE THIS TAG! - (Warning) The tag should only be removed by the person who signed and attached the tag, after validating the repairs or services have been completed.

B. See Other Side - (Reference to additional information on opposite side of the tag.)

C. CNH Part Number - (Request this part number from you Service Parts Dealer to obtain this DO NOT OPERATE tag.)

D. DO NOT OPERATE - (Warning!)

E. REASON - (Area for describing malfunction or service required before operation.)

F. Signed by - (Signature area - to be signed by the person validating the reason for installation of the tag.)

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Torque - Minimum tightening torques for normal assembly

Flex-Air 810

METRIC NON-FLANGED HARDWARE

NOM. SIZE	CLASS 8.8 BOLT and CLASS 8 NUT		CLASS 10.9 BOLT and CLASS 10 NUT		LOCKNUT CL.8 W/CL8.8 BOLT	LOCKNUT CL.10 W/CL10.9 BOLT
	UNPLATED	PLATED W/ZnCr	UNPLATED	PLATED W/ZnCr		
M4	2.2 N·m (19 lb in)	2.9 N·m (26 lb in)	3.2 N·m (28 lb in)	4.2 N·m (37 lb in)	2 N·m (18 lb in)	2.9 N·m (26 lb in)
M5	4.5 N·m (40 lb in)	5.9 N·m (52 lb in)	6.4 N·m (57 lb in)	8.5 N·m (75 lb in)	4 N·m (36 lb in)	5.8 N·m (51 lb in)
M6	7.5 N·m (66 lb in)	10 N·m (89 lb in)	11 N·m (96 lb in)	15 N·m (128 lb in)	6.8 N·m (60 lb in)	10 N·m (89 lb in)
M8	18 N·m (163 lb in)	25 N·m (217 lb in)	26 N·m (234 lb in)	35 N·m (311 lb in)	17 N·m (151 lb in)	24 N·m (212 lb in)
M10	37 N·m (27 lb ft)	49 N·m (36 lb ft)	52 N·m (38 lb ft)	70 N·m (51 lb ft)	33 N·m (25 lb ft)	48 N·m (35 lb ft)
M12	64 N·m (47 lb ft)	85 N·m (63 lb ft)	91 N·m (67 lb ft)	121 N·m (90 lb ft)	58 N·m (43 lb ft)	83 N·m (61 lb ft)
M16	158 N·m (116 lb ft)	210 N·m (155 lb ft)	225 N·m (166 lb ft)	301 N·m (222 lb ft)	143 N·m (106 lb ft)	205 N·m (151 lb ft)
M20	319 N·m (235 lb ft)	425 N·m (313 lb ft)	440 N·m (325 lb ft)	587 N·m (433 lb ft)	290 N·m (214 lb ft)	400 N·m (295 lb ft)
M24	551 N·m (410 lb ft)	735 N·m (500 lb ft)	762 N·m (560 lb ft)	1016 N·m (750 lb ft)	501 N·m (370 lb ft)	693 N·m (510 lb ft)

NOTE: *M4 through M8 hardware torque specifications are shown in pound-inches. M10 through M24 hardware torque specifications are shown in pound-feet.*

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Maintenance Chart

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Interval	Maintenance Action	Check	Cleaning	Grease	Change fluid	Replace	Calibrate	Adjust
EVERY 10 HOURS OR EACH DAY	Clamps	X						
	Air tubes	X						
	Flex ducting	X						
	Hydraulic lines	X						
	Hydraulic oil level	X						
	Conveyor belt tension	X						
	High pressure hydraulic filter	X						
	Deflector settings	X						
	Hopper, auger and conveyor		X					
	Booms and boom cylinders			X				
	Pressure washer oil level (if equipped)	X						
	PTO shaft			X				
EVERY 50 HOURS	Conveyor belt drive bearings			X				
	Auger bearings			X				
	Boom suspension sway arm			X				
EVERY 200 HOURS	Pressure washer oil (if equipped)				X			
EVERY 250 HOURS	Hydraulic hoses and electrical wiring	X						
EVERY 500 HOURS	Charge pump hydraulic filter					X		
	High pressure hydraulic filter					X		
	Hydraulic fluid				X			
AS REQUIRED MAINTENANCE	Boom breakaway tension	X						
	Boom adjustments	X						
	Liquid strainers (if equipped)		X					
	Flow meter (if equipped)	X						
	Foam marker strainer (if equipped)		X					
	PWM high and low offset						X	
	Adjusting conveyor belt tension							X

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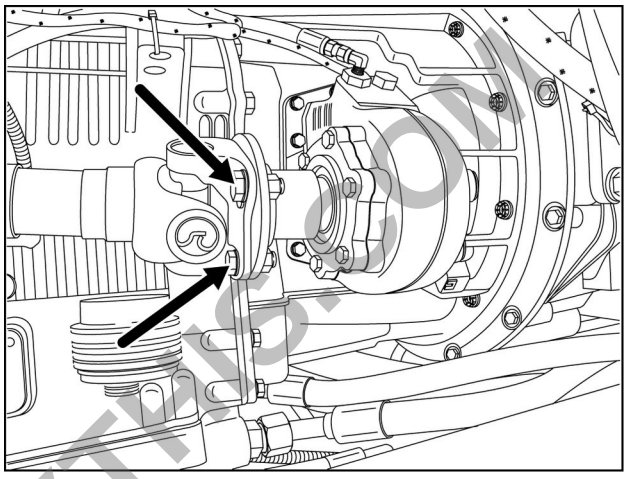
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Drop box - Remove

Flex-Air 810

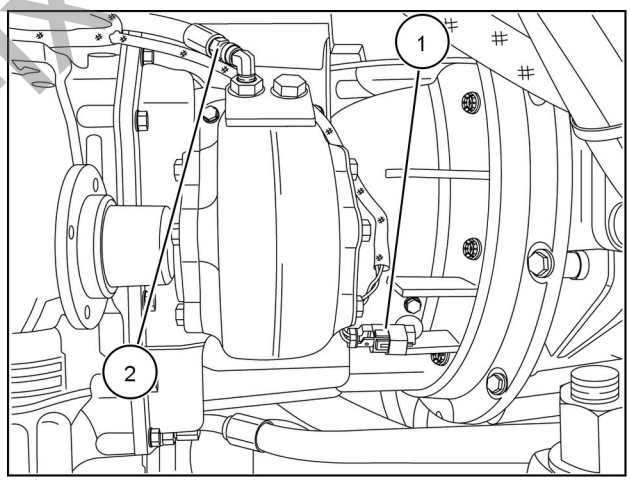
Pressure wash all mud, grease, oil, and dirt off the area to be opened up and serviced. Before loosening and removing hydraulic fittings and hoses, spray the immediate area around the fittings with an aerosol degreaser and brush before loosening. Loosen 2 -3 turns and repeat flush with aerosol degreaser. Immediately install threaded plugs and/or caps.

1. Remove the nuts and bolts, disconnect the drive shaft.



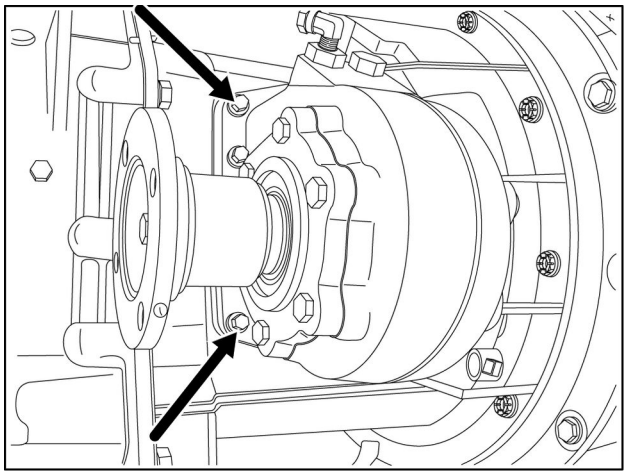
RAIL12SP00350AA 1

2. Disconnect harness lead **(1)** to move harness to the side. Disconnect lube oil line **(2)**.



RAIL12SP00351AA 2

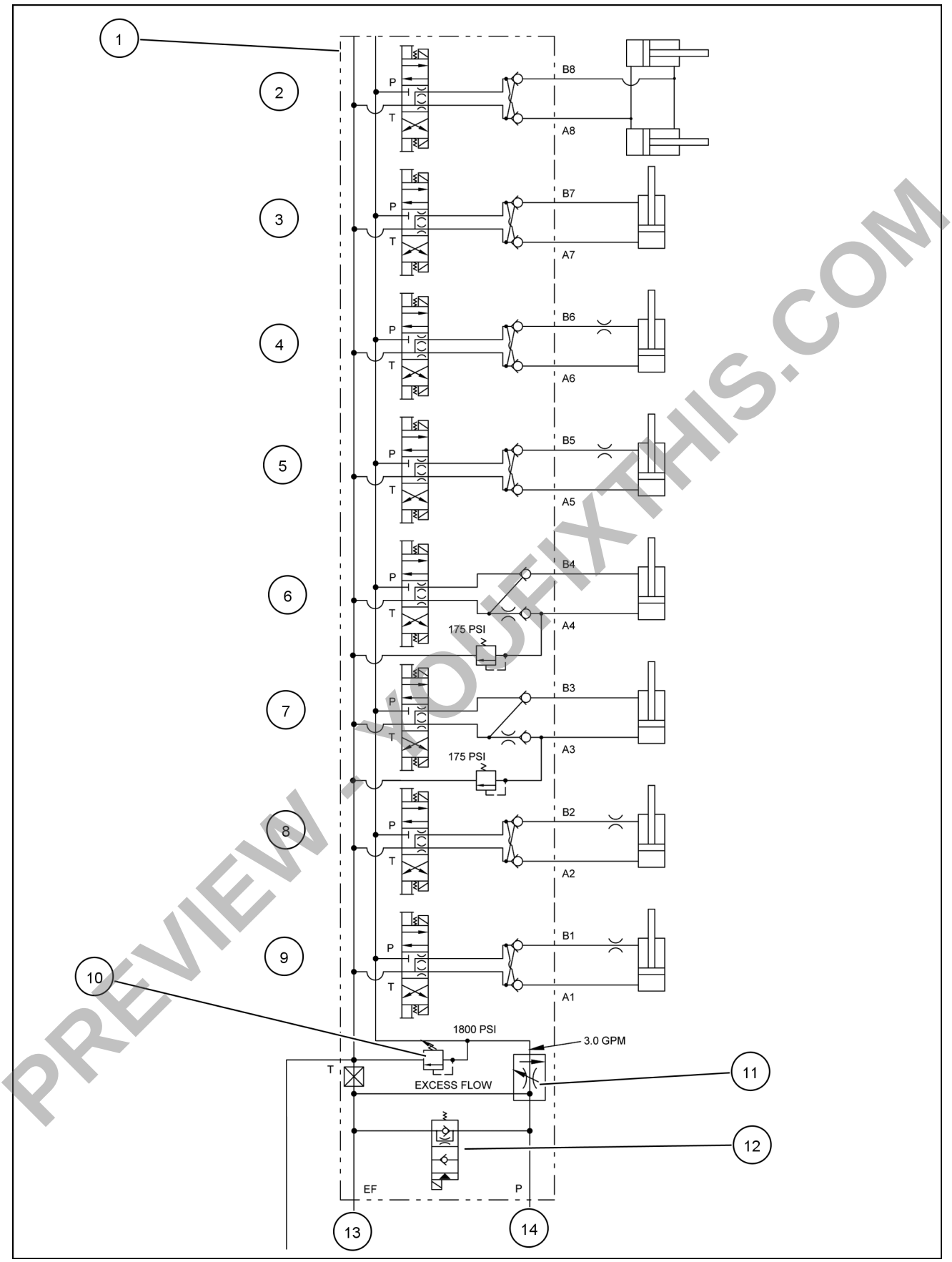
3. Remove all the mounting bolts, remove the drop box from the transmission.



RAIL12SP00352AA 3

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RAIL12SP00176HA 2

1. Boom control valve	8. Inner boom fold, right hand
2. Auger gate 6 inch	9. Inner boom fold, left hand
3. Auger gate 8 inch	10. Relief valve

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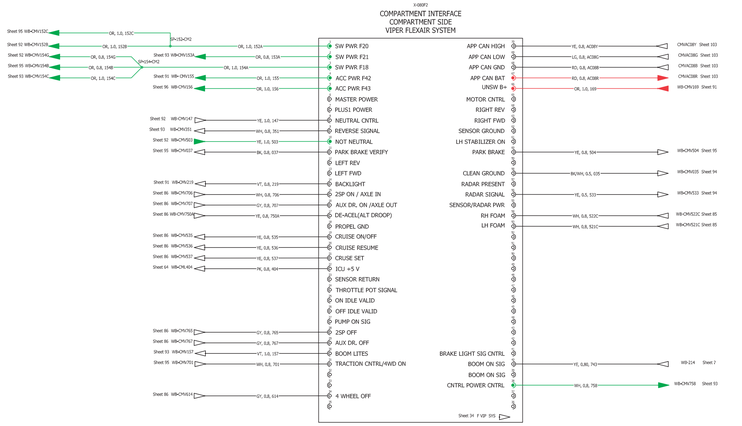
FLEXAIR 810 (DRY) ELECTRICAL SCHEMATIC - RAC 47368556

LEGEND

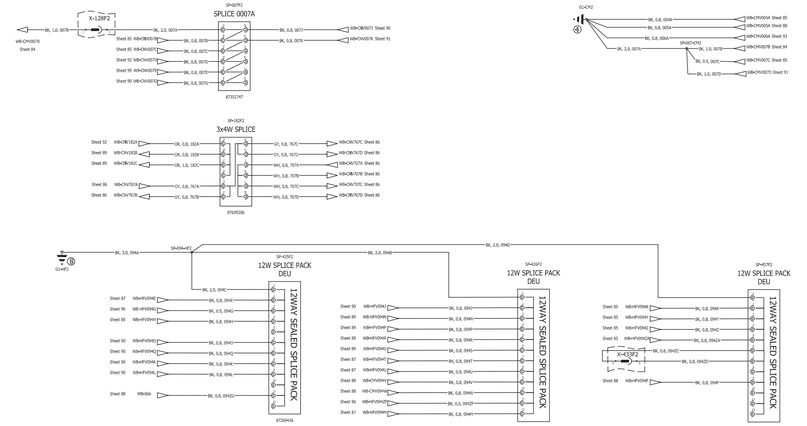
INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

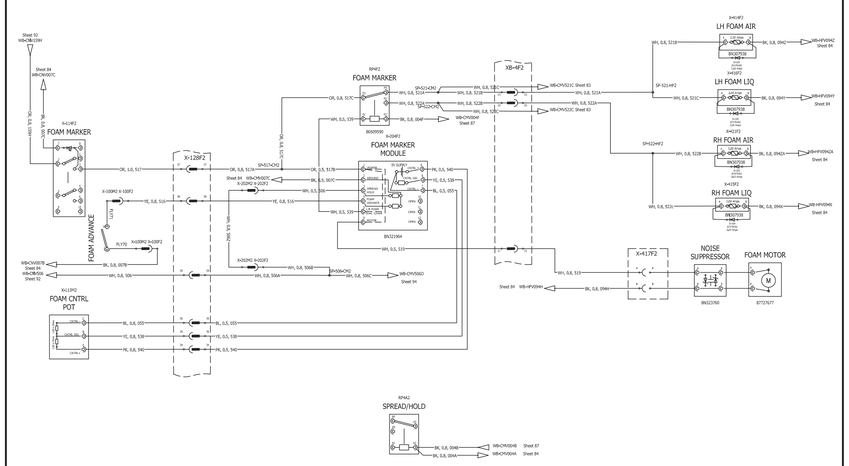
NOTE: REFER TO CHASSIS ELECTRICAL SCHEMATIC FOR ADDITIONAL INFORMATION



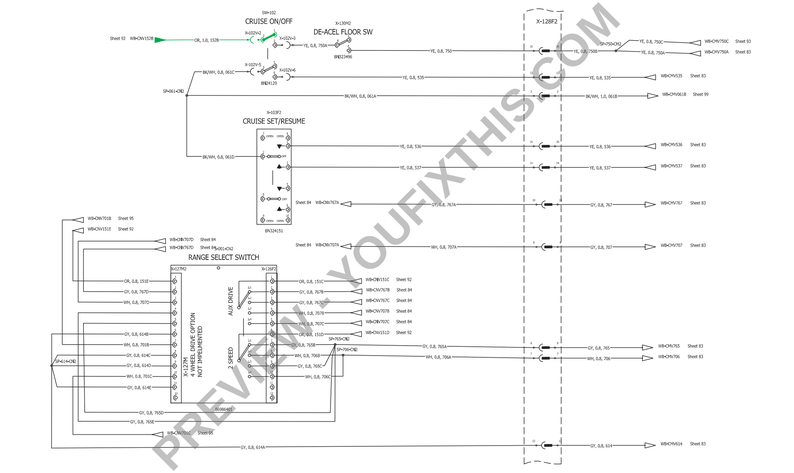
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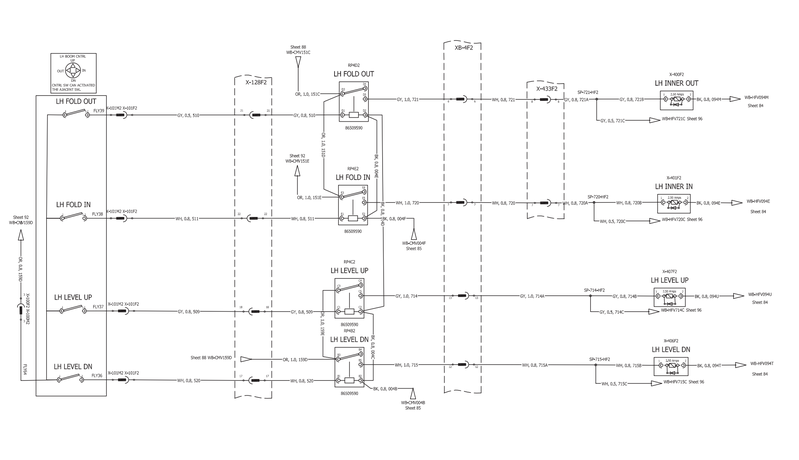
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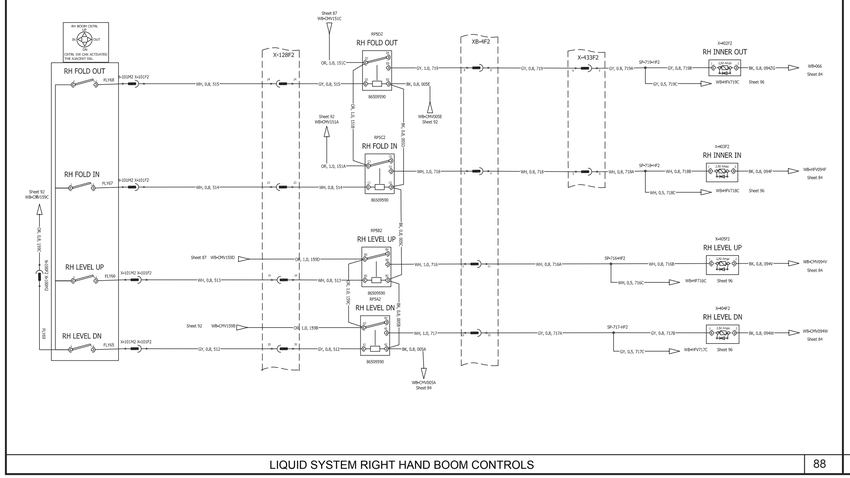
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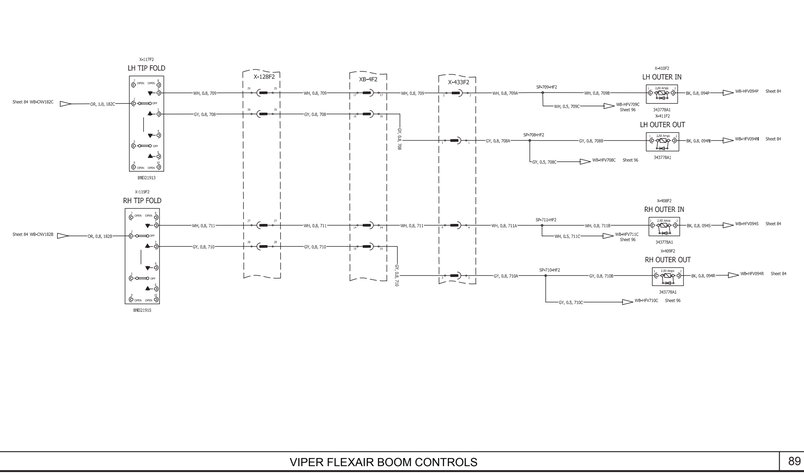
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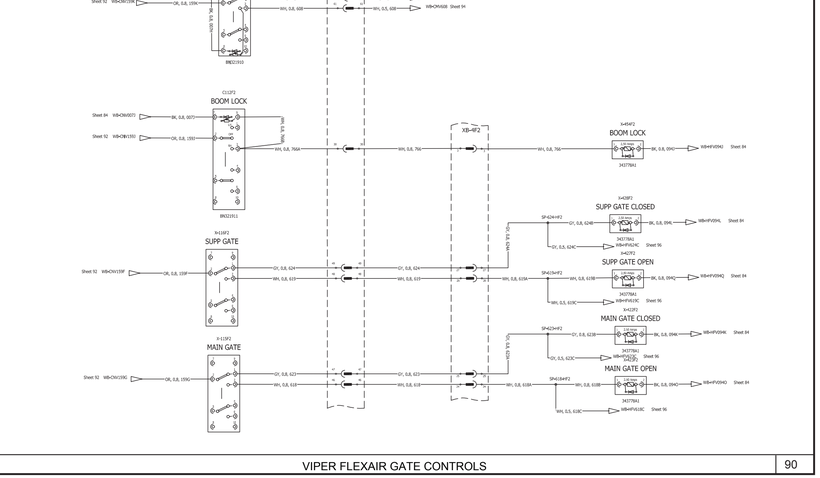
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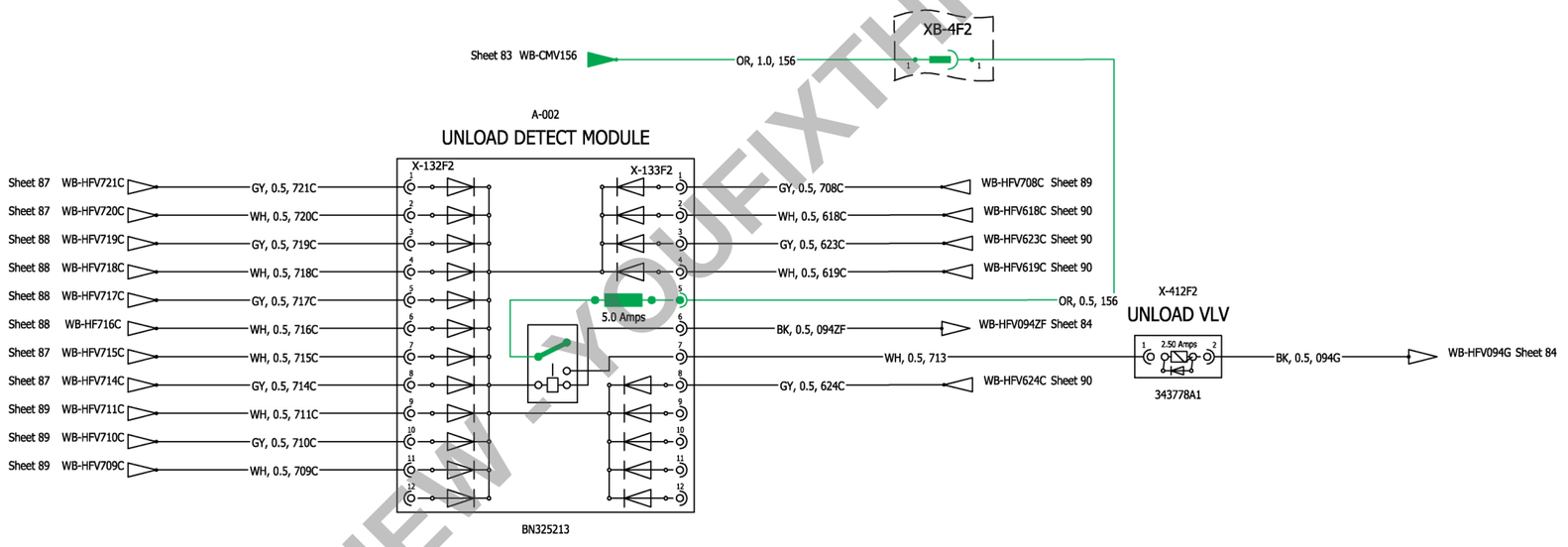
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