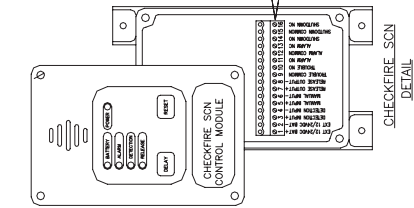
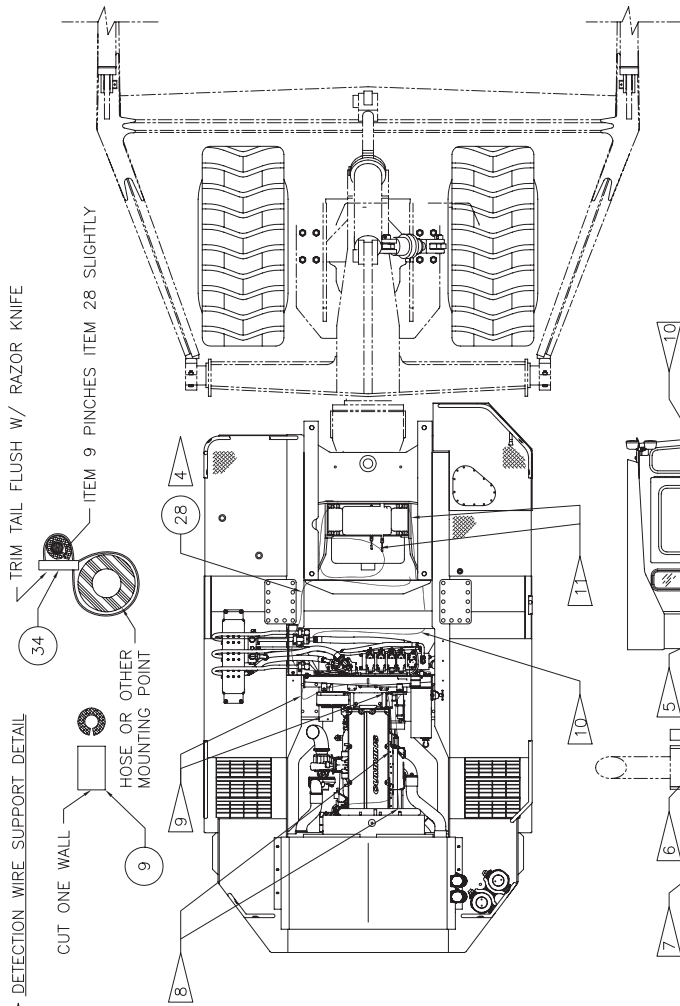

Fire Suppression System - Cab

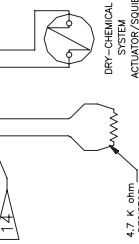
4 DETECTION WIRE SUPPORT DETAIL

34 TRIM TAIL FLUSH W/ RAZOR KNIFE



ELECTRICAL SCHEMATIC FOR CONNECTION OF CHECKFIRE SCN MODULES

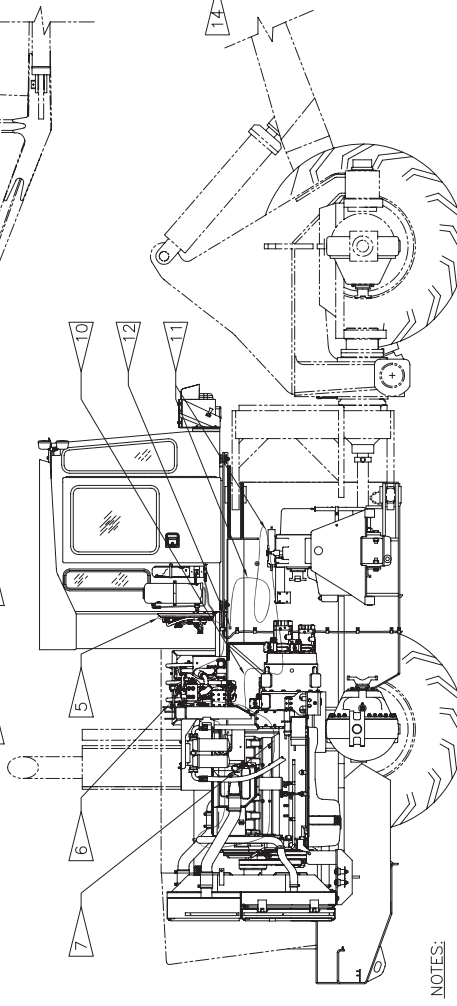
EXT 12/24VDC BAT
 DETECTION INPUT
 DETECTION INPUT
 MANUAL INPUT
 RELEASE OUTPUT
 RELEASE OUTPUT
 TROUBLE NO
 TROUBLE COMMON
 ALARM NO
 ALARM COMMON
 SHUTDOWN NO
 SHUTDOWN COMMON
 SHUTDOWN NC



NOTES
 1. CHECKFIRE SCN CONTROL MODULE WILL BE UTILIZED TO AUTOMATICALLY OPERATE THE DRY-CHEMICAL THE CONTROL MODULE WILL HAVE ITS TEST DELAY SET AT 10 SECONDS AND THE TEST DELAY SET AT 10 SECONDS AND THESE ARE FACTORY DEFAULT SETTINGS. IF FACTORY SETTINGS ARE TO BE REPROGRAMMED, THE CAN BE REPROGRAMMED IN ACCORDANCE WITH THE REQUIREMENTS IN THE CHECKFIRE SCN MANUAL. THE CHECKFIRE SCN MANUAL DESCRIBES THE CIRCUIT THAT WILL IMMEDIATELY TRANSFER THE ALARM FROM THE CHECKFIRE SCN CONTROL MODULE TO THE CONTROL MODULE WILL TRANSFER AFTER THE FIRST TO SECOND ALARM TIME DELAY PERIOD. THE TIME DELAY FOR THE CHECKFIRE SCN CONTROL MODULE WILL DISCHARGE.

2. DETECTION WIRE MUST BE ROUTED THROUGH EACH HAZARD AREA, WITH ADEQUATE CLEARANCE TO HEATED SURFACES. REFER TO THE CHECKFIRE SCN MANUAL P/N 423223.

3. IF THE DETECTION WIRE SUPPORT RESISTORS MAY BE NEEDED TO BE FABRICATED TO ROUTE THE WIRE.



NOTES:

- 4 MOUNT AND ROUTE DETECTION WIRE AS SHOWN, SEE GENERAL NOTES AND FOLLOW MANUFACTURER'S INSTRUCTIONS;
- 5 FROM STRAIN RELIEF AT BACK OF CAB, OVER BRAKE VALVE PLATE ALONG LH HOOD SUPPORT WELDMENT;
- 6 AROUND TO MAIN VALVE PLATE, OVER FLOW AMP & MAIN VALVE AND DOWN RIGHT HAND SIDE BY MAIN VALVE JCT. BOX;
- 7 UNDER MAIN VALVE PLATE ALONG BLOCK ABOVE STARTER, BEHIND OR AROUND FUEL FILTER TO FRONT OF ENGINE;
- 8 UP SIDE OF ENGINE ACROSS FAN/ACC. PULLEYS; LOOP BACK TO LH SIDE OF ENGINE AND ALONG VALVE COVER OVER FUEL RAIL;
- 9 TO VALVE PLATE AROUND BACK OF ENGINE AND DOWN LH SIDE OF VALVE PLATE LOOP TO REAR SLIGHTLY TO HEATER & A/C HOSE BUNDLE THEN FORWARD;
- 10 FROM UNDER LH SIDE OF VALVE PLATE, OVER TOP OF TORQUE CONVERTER TO RH SIDE OF CHASSIS AND FORWARD TO TRANSMISSION AREA UNDER CAB;
- 11 LOOP AROUND AREA ABOVE TRANSMISSION, OVER NEAR TORQUE CONVERTER DRIVEN PUMPS AND BACK UP TO UNDERSIDE OF CAB;
- 12 TERMINATE END WITH ITEM 33, AND SECURE IN SUITABLE FASHION;

- 1 (10) USE AS REQD.
- 34 (50) USE AS REQD.
- 35 (25) USE AS REQD.

ITEM 28: DETECTION WIRE GENERAL NOTES:

SECURE WIRE USING CABLE CLAMPS (BUTTERFLY AS REQ'D) AND WIRE TIES AS OUTLINED IN DETECTION WIRE SUPPORT DETAIL;

AN END OF LINE RESISTOR, ITEM 33, IS REQUIRED ON THE END OF THE LINEAR DETECTION WIRE;

DO NOT INSTALL THE WIRE WITHIN 12 IN. OF A TEMPERATURE SOURCE OF 350°F OR GREATER, IE: EXHAUST MANIFOLD, TURBO-CHARGER ETC.;

AVOID ROUTING DETECTION WIRE DIRECTLY ACROSS AN OPENING. WHERE POSSIBLE INSTALL DETECTION WIRE ABOVE OR AROUND THE PERIMETER OF A HAZARD AREA. DO NOT ALLOW STRUTS, GUARDS, OR SIMILAR OBJECTS ACT AS HEAT SHIELDS BETWEEN DETECTION WIRE AND HAZARD AREA;

AVOID AREAS WHERE DETECTION WIRE MAY BE DAMAGED SUCH AS: NEAR MOVING PARTS, IN AREAS WHERE DEBRIS MAY BE THROWN, OR IN THE WAY OF MAINTENANCE PERSONNEL;

REFER TO THE ANSUL INSTALLATION AND MAINTENANCE MANUAL (P/N 70699) FOR ADDITIONAL WIRING AND INSTALLATION INSTRUCTIONS.

NOTES: BATTERY & SOUB

BATTERY IS INSTALLED IN CONTROL MODULE AND IS LEFT IN PLACE FOR TESTING PURPOSES. VERIFY BATTERY PERFORMANCE AND DETECTION CIRCUIT INTEGRITY TESTING. REFER TO THE ANSUL INSTALLATION AND MAINTENANCE MANUAL FOR FURTHER INFORMATION. THE BATTERY IS INSTALLED ON SITE. PER ANSUL INSTALLATION INSTRUCTIONS.

Fire Suppression System - Cab

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	580612		Fire Suppression System - Cab				
1	200499	10	. Hose Clamp	20	237567	4	. Nut, Esna
2	201602	4	. Capscrew	21	222470	2	. Insert
3	201567	4	. Lockwasher	22	248751	1	. Tank, Dry Chem W/Bracket
4	R13812512	4	. Lockwasher	23	216784	1	. Hose Assembly
5	R13811037	4	. Capscrew	24	218728	1	. Relief Valve
6	217146	1	. Hose Assembly	25	241059	4	. Insert
7	221280	1	. Fitting	26	15280	1	. Fitting
8	R13806980	12	. Flat Washer	27	209799	1	. Fitting
9	209842	5'	. Hose, Push-On	28	230940	100'	. Wire, Linear Detection
10	539197	1	. Decal	29	247065	1	. Fire Detection Sys
11	15374	1	. Fitting	30	249803	1	. Battery
12	213883	1	. Fitting	31	237519	1	. Squib
13	223041	1	. Bracket, Mounting	32	580613	1	. Mounting Plate
14	R13812213	4	. Flat Washer	33	246882	1	. Resistor, End-Of-Line
15	R13810991	4	. Capscrew	34	249329	50	. Cable Tie
16	223326	1	. Actuator, Pneumatic	35	248515	25	. Cable Tie
17	221961	1	. Cartridge	36	R13811014	4	. Capscrew
18	209752	3	. Fitting	37	R13812513	4	. Lockwasher
19	233059	1	. Hose Assembly	38	R13811444	4	. Flat Washer

