

SENSOR NAME	CAVITIES TO USE
REMSN1	E & F
REMSN2	G & H
REMSNIS	1 8 K

TITLE

PART NO.	MODEL DESCRIPTION
98-02344-00	REMOTE MONITOR SENSOR KIT FOR ADVANCE MICRO UNITS
30 02344 00	REHOTE HONTTON SENSON KIT FOR ADVANCE HIERO ONTIS
98-02344-01	REMOTE DOOR SWITCH KIT FOR ADVANCE MICRO UNITS
98-02344-02	REMOTE PULP PROBE KIT FOR ADVANCE MICRO UNITS
98-02344-03	REMOTE MONITOR SENSOR KIT FOR ADVANCE MICRO UNITS, 100 FT

- NOTE: INSTALLATION OF THIS REMOTE SENSOR KIT REQUIRES A 3/8" DIA HOLE TO BE DRILLED THROUGH THE NOSE OF THE TRAILER. THE TRAILER MANUFACTURER AND/OR CUSTOMER SHOULD BE CONSULTED PRIOR TO INSTALLATION FOR EXPLICIT INSTRUCTIONS ON THIS PROCEDURE TO AVOID AFFECTING THE TRAILER MANUFACTURER'S WARRANTY. THE CABLE MAY BE ROUTED INTO THE TRAILER THROUGH THE EVAPORATOR POD, HOWEVER, THIS WILL MAKE IT NECESSARY TO DISMOUNT THE ENTIRE CABLE INSIDE THE TRAILER SHOULD THE UNIT EVER NEED TO BE REMOVED.
- 1.0 INSIDE THE TRAILER, MOUNT THE REMOTE SENSOR BRACKET TO THE CEILING OF THE TRAILER APPROXIMATELY 6' TO 10' FROM THE REAR DOOR, OR ACCORDING TO CUSTOMER SPECIFICATION. THE SENSOR SHOULD BE MOUNTÉD NEXT TO THE CURB-SIDE WALL TO MINIMIZE THE POSSIBILITY OF DAMAGE DURING LOADING AND UNLOADING. PLUG IN THE REMOTE SENSOR HARNESS TO THE SENSOR.
- 2.0 ROUTE THE CABLE FROM THE SENSOR DIRECTLY TO THE ROAD-SIDE CEILING OF THE TRAILER. AFFIX THE CABLE USING THE CUSHION CLAMPS (ITEM 25) AND SELF THREADING SCREWS (ITEM 40). ROUTE THE CABLE ALONG THE CEILING AS CLOSE TO THE ROAD-SIDE CEILING/WALL AS POSSIBLE TO REDUCE THE POSSIBILITY OF DAMAGE, CLAMPING EVERY 2 TO 3 FT. ROUTE CABLE DOWN THE FRONT WALL TO NEAR THE FLOOR OF THE TRAILER.
- 3.0 DRILL A 3/8" DIA HOLE THROUGH THE FRONT WALL OF THE TRAILER, (SEE NOTE ABOVE), PREFERABLY THE AREA BEHIND CONTROL BOX FROM THE INSIDE OF THE TRAILER, PASS THE CABLE (ITEM 20) THROUGH THIS HOLE SO THAT THE EXCESS IS HANGING OUTSIDE THE FRONT OF THE TRAILER. USE SILICONE CAULK OR SIMILIAR MATERIAL TO STABILIZE THE CABLE THROUGH THE WALL AND TO SEAL THE WALL AGAINST MOISTURE INTRUSION.
- 4.0 TO CONNECT REMOTE SENSOR TO THE ADVANCE MICROPROCESSOR DATARECORDER (NOTE: USE 2 REMOTE PROBE CONNECTORS WITH BARE TERMINALS. ITEM 17) THERE IS A 10-PIN CONNECTOR BEHIND CONTROL BOX AT THE LOWER, ROAD-SIDE CORNER OF THE UNIT. LOCATE THIS CONNECTOR AND REMOVE THE MATING PLUG. REMOVE THE WIRE LOCK FROM THE PLUG AND DISCARD THE CAVITY PLUGS FROM THE APPROPRIATE CAVITIES ACCORDING TO THE CHART BELOW. INSERT THE TWO WIRES FROM THE REMOTE SENSOR HARNESS INTO THE NOW EMPTY CAVITIES OF THE MATTING PLUG. BE SURE THAT THE PINS ARE ORIENTED CORRECTLY SO AS NOT TO DAMAGE THEM. YOU SHOULD FEEL/HEAR THEM CLICK INTO PLACE WHEN THEY ARE CORRECT. REPLACE THE WIRE LOCK, AND PLUG IN THE CONNECTOR.
- 5.0 CUT OFF EXCESS CABLE, THEN CAREFULLY STRIP BACK THE WHITE JACKET ABOUT 2".

 CAREFULLY TRIM OFF BRAID LEAVING ABOUT 0.25" EXPOSED. THEN USING SOLDER SLEEVE
 TERMINAL (ITEM.70) ATTACH GROUND WIRE (ITEM.75) TO EXPOSED BRAID WITH HEAT GUN.
 APPLY HEAT UNTIL SOLDER RING INSIDE SOLDER SLEEVE MELTS AND FUSES WIRE AND SHIELD. USE THE BUTT SPLICE (ITEM 10) TO CONNECT THE SENSOR CABLE TO THE REMOTE PROBE CABLE CONNECTOR. IT IS NOT IMPORTANT WHICH WIRES ARE CONNECTED TOGETHER. SHRINK THE TUBING USING A HEAT GUN. ATTACH RING TERMINAL TO GROUND STUD ON
- NOTE: FOR MORE DETAILED INSTRUCTION ON INSTALLATION OF "SOLDER SLEEVE" SEE TECHNICAL INSTRUCTION 98-50179-00. THIS INSTRUCTION IS AVAILABLE ON THE CTD TRUCK/TRAILER REFERENCE LIBRARY.
- 6.0 USE WIRE TIES (ITEM 55) PROVIDED TO TIE EXCESS CABLE OUT OF THE WAY AT THE SENSOR AND AT THE UNIT.
- 7.0 ADVANCE REMOTE PROBE SETTINGS: REMOTE SENSORS MUST BE ENABLED IN THE MICRO CONFIGURATION LIST (SEE SERVICE MANUAL). CHANGE THE APPROPRIATE REMSN FROM "NOT INSTALLED" TO "INSTALLED".
- 8.0 DATA LOGGER CONFIGURATION: REMOTE SENSORS MUST BE ENABLED IN DATA LOGGER TO RECORD ANY DATA (SEE SERVICE MANUAL). CHANGE THE APPROPRIATE REMSN FROM "OFF" TO "AVERAGE" OR "SNAPSHOT".

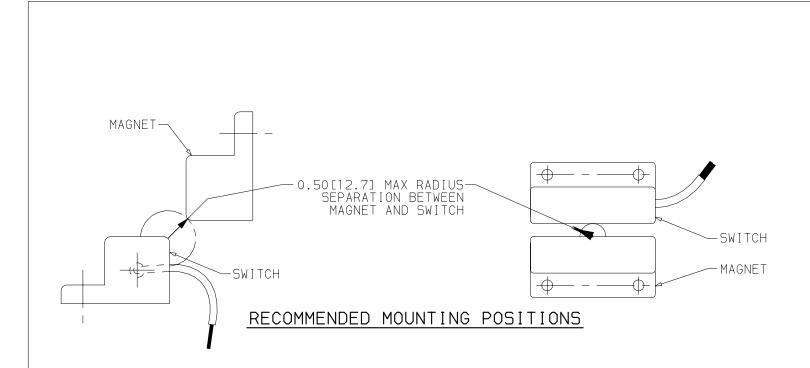
ı									
	G	UPDT SHT INDEX; ADD SHT 4; SEE SHTS 2,3,4 FOR FURT DETAILS					DJD	04/01/05	
	F	UPDATED SHT. INDEX. ADDED NOTE PER IPCA72N200GP04-95.					ZMG	6/22/04	
	Е	ADDED IT'S 70 AND 75, UPDATED NOTE 5.0 PER PCA72N249GP02.					ZMG	12/6/02	SUPERSEDES
ĺ	SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE	

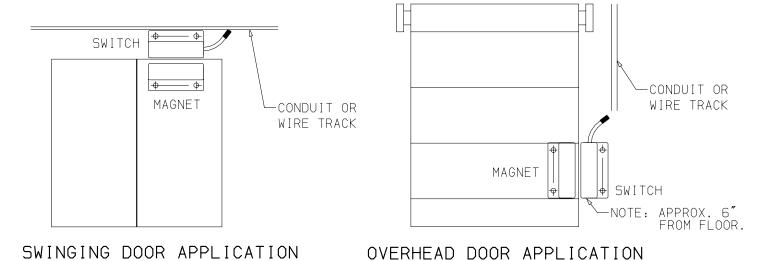
SEE	SEPARATE	PARTS	LIST

REV SHEET INDEX SHEET DRAWING NO 98-02344

SHEET 1 OF 3

INSTALLATION INSTRUCTIONS REMOTE SENSOR/SWITCH KIT (ADVANCE)





REMOTE SWITCH INSTALLATION PROCEDURE

NDA. NDX ADVANCE MICRO UNITS

- NOTE: INSTALLATION OF THIS REMOTE SWITCH KIT REQUIRES A 3/8" DIA HOLE TO BE DRILLED THROUGH THE NOSE OF THE TRAILER. THE TRAILER MANUFACTURER AND/OR CUSTOMER SHOULD BE CONSULTED PRIOR TO INSTALLATION FOR EXPLICIT INSTRUCTIONS ON THIS PROCEDURE TO AVOID AFFECTING THE TRAILER MANUFACTURER'S WARRANTY. THE CABLE MAY BE ROUTED INTO THE TRAILER THROUGH THE EVAPORATOR POD, HOWEVER, THIS WILL MAKE IT NECESSARY TO DISMOUNT THE ENTIRE CABLE INSIDE THE TRAILER SHOULD THE UNIT EVER NEED TO BE REMOVED.
- 1.0 INSTALL DOOR SWITCH AND MAGNET ON TRAILER DOORS (OR OTHER TYPE OF SWITCH).
- 2.0 CONNECT THE CABLE (ITEM 20) TO THE SWITCH USING SPLICE PROVIDED (ITEM 10). SHRINK THE INSULATION USING A HEAT GUN TO MAKE A SEALED CONNECTION. ROUTE THE CABLE FROM THE SWITCH TO THE 10-WAY CONNECTOR LOCATED NEAR THE CONTROL BOX ON THE UNIT. THIS WILL REQUIRE USING A 3/8" DIA HOLE IN THE FRONT WALL, PREFERABLY LOCATED IN THE AREA BEHIND THE CONTROL BOX, TO PASS THE CABLE THROUGH (SEE NOTE ABOVE) SO THAT THE EXCESS IS HANGING OUTSIDE THE FRONT OF THE TRAILER. USE SILICONE CAULK OR SIMILAR MATERIAL TO STABILIZE THE CABLE THROUGH THE WALL AND TO SEAL THE WALL AGAINST MOISTURE INTRUSION.
- 3.0 UNIT HARNESS CONNECTIONS:
- 3.1 TO CONNECT SWITCH AS "DOOR SWITCH", LOCATE THE 2-WAY CONNECTOR, TIED TO THE MAIN WIRE HARNESS, UNDER THE ENGINE, WITH WIRES LABELED "DS-A" AND "DS-B". REMOVE THE MATING PLUG. REMOVE THE WIRE LOCK FROM THE PLUG AND DISCARD THE CAVITY PLUGS. INSERT THE TWO(2) WIRES (ITEM 18) INTO THE CAVITIES. BE SURE THAT THE PINS ARE ORIENTED CORRECTLY SO AS NOT TO DAMAGE THEM. YOU SHOULD FEEL/HEAR THEM CLICK INTO PLACE WHEN THEY ARE CORRECT. REPLACE THE WIRE LOCK AND PLUG INTO THE CONNECTOR.
- 3.2 TO CONNECT THE SWITCH AS A "REMOTE SWITCH (REMS1 OR REMS2), LOCATE THE 10-WAY CONNECTOR UNDER THE ENGINE, TIED TO THE MAIN WIRE HARNESS. REMOVE THE THE MATING PLUG. REMOVE THE WIRE LOCK FROM THE PLUG AND DISCARD THE CAVITY PLUGS FROM THE APPROPRIATE CAVITIES ACCORDING TO THE CHART BELOW. INSERT THE TWO(2) WIRES (ITEM 17) INTO THE NOW EMPTY CAVITIES OF THE MATING PLUG. BE SURE THAT THE PINS ARE ORIENTED CORRECTLY SO AS NOT TO DAMAGE THEM. YOU SHOULD FEEL/HEAR THEM CLICK INTO PLACE WHEN THEY ARE CORRECT. REPLACE THE WIRE LOCK AND PLUG INTO THE CONNECTOR.
- 4.0 CUT OFF EXCESS CABLE, THEN CAREFULLY STRIP BACK THE WHITE JACKET ABOUT 2". CAREFULLY TRIM OFF BRAID LEAVING ABOUT 0.25" EXPOSED. THEN USING SOLDER SLEEVE TERMINAL (ITEM.70) ATTACH GROUND WIRE (ITEM.75) TO EXPOSED BRAID WITH HEAT GUN. APPLY HEAT UNTIL SOLDER RING INSIDE SLEEVE MELTS AND FUSES WIRE AND SHIELD. USE THE SPLICE (ITEM 10) TO CONNECT THE FUSE HOLDER (ITEM 23) TO ONE OF THE CABLE WIRES. THEN USE THE REMAINING 2 SPLICES(ITEM 10) TO CONNECT THE SWITCH WIRES NOW INSERTED INTO THE MATING TWO(2) WAY OR 10-WAY PLUG. ONE TO THE OTHER END OF THE FUSE HOLDER AND ONE TO THE OTHER CABLE WIRE. IT IS IMPORTANT WHICH WIRES ARE CONNECTED TO THE FUSE HOLDER, FOR DOOR SWITCH CONNECT TO DS-A, FOR REMOTE SWITCH REMS1A OR REMS2B. SHRINK THE INSULATION USING A HEAT GUN.
- NOTE: FOR MORE DETAILED INSTRUCTION ON INSTALLATION OF "SOLDER SLEEVE" SEE TECHNICAL INSTRUCTION 98-50179-00. THIS INSTRUCTION IS AVAILABLE ON THE CTD TRUCK/TRAILER REFERENCE LIBRARY.

SWITCH	NAME	CAVITIE	ES	TO	USE
REMS	61	А	8	С	
REMS	25	В	&	D	



5.0 ADVANCE REMOTE SWITCH SETTINGS: DOOR AND/OR REMOTE SWITCHES MUST BE ENABLED IN THE MICRO COFIGURATION LIST (SEE SERVICE MANUAL). CHANGE THE APPROPRIATE CONFIGURATION FROM "NOT INSTALLED" "DOOR OPEN SWITCH ON".

MOVED UNIT HARNESS CONNECTION DRAWINGS TO SHT 3 DJD 04/01/05 ADDED INSTALLATION REFERENCE NOTE PER IPCA72N200GP04-95 6/22/04 ADDED IT.70 AND 75, UPDATED NOTE 4.0 PER PCA72N249GP02. ZMG 12/6/02 SUPERSEDES APPLICATION ENGRG. DATE REVISION RECORD ENGRG. DATE DATE DRAWN BY

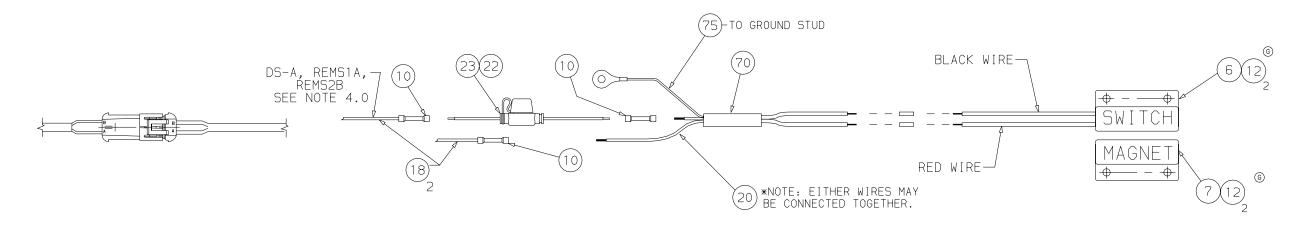
REMOTE	DOOR	SWITCH
98-	02344	-01

TITLE INSTALLATION INSTRUCTIONS REMOTE SENSOR/SWITCH KIT (ADVANCE)

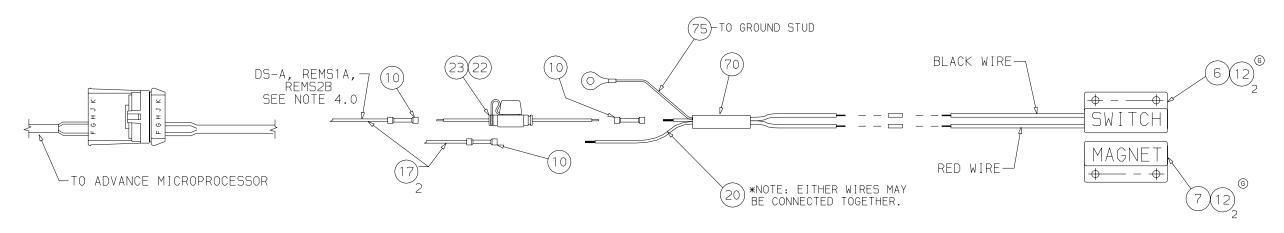
98-02344 SHT 2 OF

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2 WAY CONNECTOR (SEE NOTE 3.1)



10 WAY CONNECTOR (SEE NOTE 3.2)



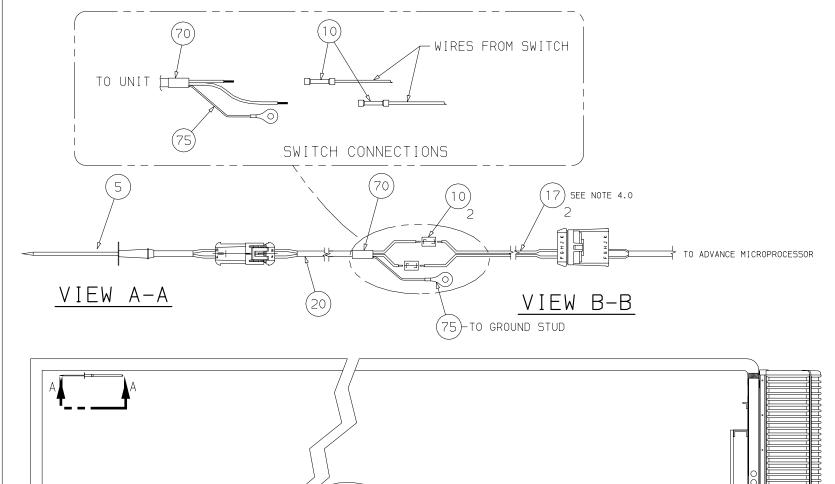
G	ADD BALLOON C/O 12; ADDED 2 WAY CON DETAIL; MOVED DETAILS FROM SHEET 2					DJD	04/01/05	
F	ADDED INSTALLATION REFERENCE NOTE PER IPCA72N200GP04-95					ZMG	6/22/04	
Ε	ADDED IT.70 AND 75, UPDATED NOTE 4.0 PER PCA72N249GP02.					ZMG	12/6/02	9
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE	

REMOTE DOOR SWITCH 98-02344-01

SUPERSEDES TITLE INSTALLATION INSTRUCTIONS REMOTE SENSOR/SWITCH KIT (ADVANCE)

DRAWING NO. 98-02344 SHT 3 OF 98

PRINT DISTRIBUTION



- NOTE: INSTALLATION OF THIS REMOTE SENSOR KIT REQUIRES A 3/8" DIA HOLE TO BE DRILLED THROUGH THE NOSE OF THE TRAILER. THE TRAILER MANUFACTURER AND/OR CUSTOMER SHOULD BE CONSULTED PRIOR TO INSTALLATION FOR EXPLICIT INSTRUCTIONS ON THIS PROCEDURE TO AVOID AFFECTING THE TRAILER MANUFACTURER'S WARRANTY. THE CABLE MAY BE ROUTED INTO THE TRAILER THROUGH THE EVAPORATOR POD, HOWEVER, THIS WILL MAKE IT NECESSARY TO DISMOUNT THE ENTIRE CABLE INSIDE THE TRAILER SHOULD THE UNIT EVER NEED TO BE REMOVED.
- 1.0 LOCATE THE SENSOR INSIDE OF TRAILER ACCORDING TO CUSTOMER SPECIFICATIONS.
- 2.0 ROUTE THE CABLE FROM THE SENSOR DIRECTLY TO THE ROAD-SIDE CEILING OF THE TRAILER. AFFIX THE CABLE USING THE CUSHION CLAMPS (ITEM 25) AND SELF THREADING SCREWS (ITEM 40). ROUTE THE CABLE ALONG THE CEILING AS CLOSE TO THE ROAD-SIDE CEILING/WALL AS POSSIBLE TO REDUCE THE POSSIBILITY OF DAMAGE, CLAMPING EVERY 2 TO 3 FT. ROUTE CABLE DOWN THE FRONT WALL TO NEAR THE FLOOR OF THE TRAILER.
- 3.0 DRILL A 3/8" DIA HOLE THROUGH THE FRONT WALL OF THE TRAILER, (SEE NOTE ABOVE), PREFERABLY THE AREA BEHIND CONTROL BOX FROM THE INSIDE OF THE TRAILER, PASS THE CABLE (ITEM 20) THROUGH THIS HOLE SO THAT THE EXCESS IS HANGING OUTSIDE THE FRONT OF THE TRAILER. USE SILICONE CAULK OR SIMILIAR MATERIAL TO STABILIZE THE CABLE THROUGH THE WALL AND TO SEAL THE WALL AGAINST MOISTURE INTRUSION.
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SENSOR NAME	CAVITIES TO USE
REMSN1	E & F
REMSN2	G & H
REMSN3	J & K

FGHJK EDCBA

- 5.0 CUT OFF EXCESS CABLE, THEN CAREFULLY STRIP BACK THE WHITE JACKET ABOUT 2". CAREFULLY TRIM OFF BRAID LEAVING ABOUT 0.25" EXPOSED. THEN USING SOLDER SLEEVE TERMINAL (ITEM.70) ATTACH GROUND WIRE (ITEM.75) TO EXPOSED BRAID WITH HEAT GUN. APPLY HEAT UNTIL SOLDER RING INSIDE SLEEVE MELTS AND FUSES WIRE AND SHIELD. USE THE BUTT SPLICE (ITEM.10) TO CONNECT THE SENSOR CABLE TO THE REMOTE PROBE CABLE CONNECTOR. IT IS NOT IMPORTANT WHICH WIRES ARE CONNECTED TOGETHER. SHRINK THE TUBING USING A HEAT GUN. ATTACH RING TERMINAL TO GROUND STUD ON FRAME.
- NOTE: FOR MORE DETAILED INSTRUCTION ON INSTALLATION OF "SOLDER SLEEVE" SEE TECHNICAL INSTRUCTION 98-50179-00. THIS INSTRUCTION IS AVAILABLE ON THE CTD TRUCK/TRAILER REFERENCE LIBRARY.
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REMOTE MONITOR SENSOR KIT 98-02344-02
REMOTE MONITOR SENSOR KIT TO SHEET 4 DJD 04/25/05
O INSTALLATION REFERENCE NOTE PER IPCA72N2006P04-95 ZMG 6/22/04
D INSTALLATION REFERENCE NOTE PER IPCA72N200GP04-95 D ITEM 70 AND 75, REVISED NOTE 5.0 PER PCA72N249GP02. ZMG 6/22/04 ZMG 12/6/02
O INSTALLATION REFERENCE NOTE PER IPCA72N2006P04-95 ZMG 6/22/04

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