

NEW HOLLAND

CX8070

CX8080

CX8090

DISTRIBUTION SYSTEMS - A

ELECTRICAL POWER SYSTEM - 30.A

FUNCTIONAL DATA

Component diagram 16 - Component diagram 51

SERVICE

DIAGNOSTIC



NEW HOLLAND

SERVICE

CX8070, CX8080, CX8090 REPAIR MANUAL CONTENTS



DISTRIBUTION SYSTEMS - A

POWER PRODUCTION - B

POWER TRAIN - C

TRAVELLING - D

BODY AND STRUCTURE - E

CROP PROCESSING - K

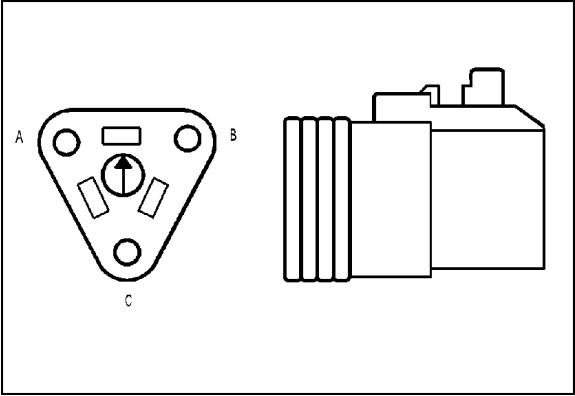
The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the CX8070, CX8080 and CX8090 Combines.

Wiring harness - Component diagram 16

CONNECTOR X160

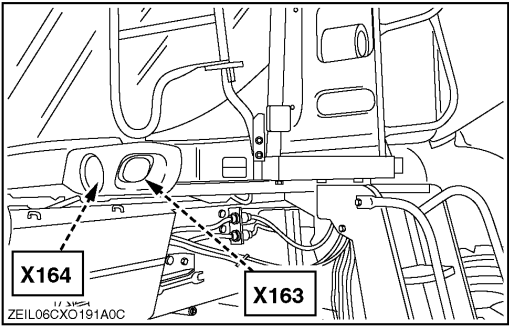
CONNECTOR X160 LEFT FRONT HAZARD LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	624 (PU)	ROAD LIGHT SWITCH OUTPUT	Wiring harness - Electrical schematic frame 34 (A.30.A)
B	615 (PU)	FLASHER MODULE OUTPUT	
C	620 (BK)	GROUND	



X160 1

X160

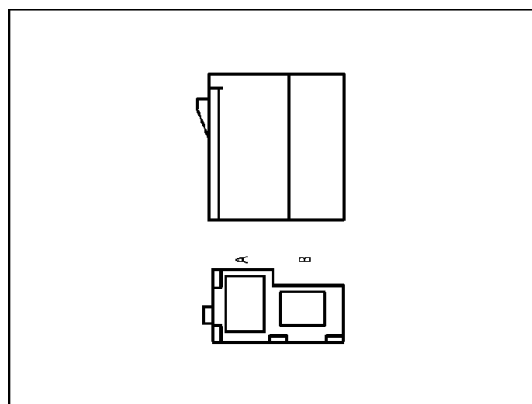
LEFT FRONT HAZARD LIGHT



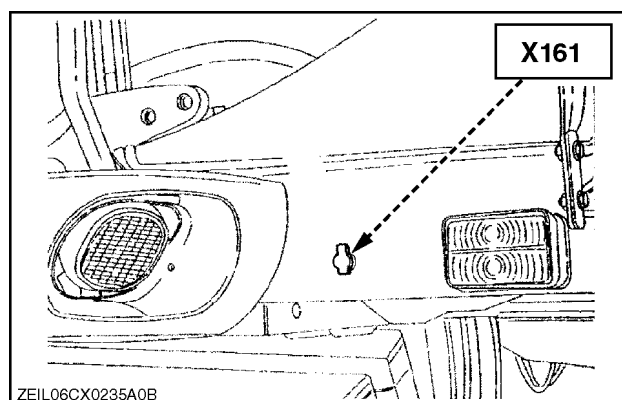
ZEIL06CX0191A0C 2

CONNECTOR X161

CONNECTOR X161 LEFT FRONT SERVICE SOCKET			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	656 (BK)	GROUND	Wiring harness - Electrical schematic frame 39 (A.30.A)
B	647 (RD)	UNSWITCHED (B+)	



X161 3

X161**LEFT FRONT SERVICE SOCKET**

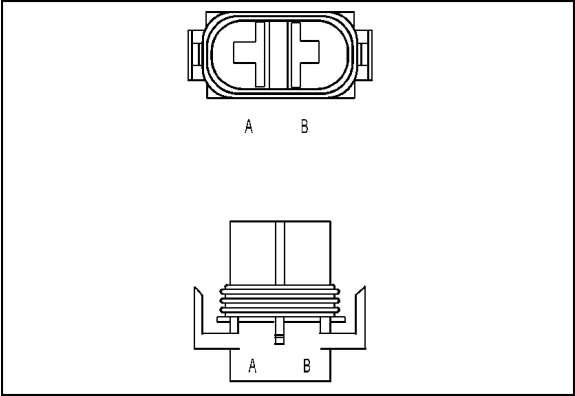
ZEIL06CX0235A0B

ZEIL06CX0235A0B 4

X161: FROM CAB SUPPORT HARNESS

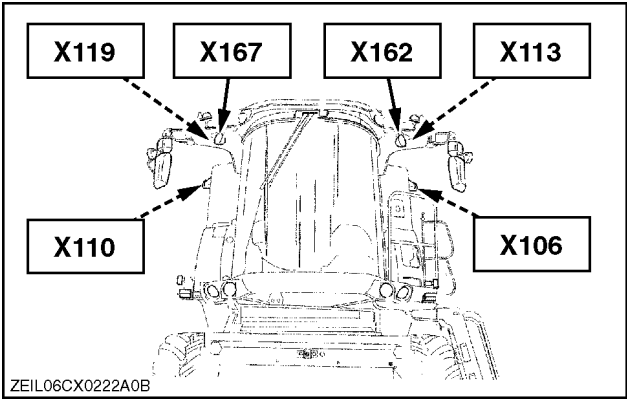
CONNECTOR X162

CONNECTOR X162 LEFT HEADER LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	257 (PU)	RIGHT CENTER WORK LIGHTS RELAY OUTPUT	Wiring harness - Electrical schematic frame 40 (A.30.A)
B	267 (BK)	GROUND	



X162 5

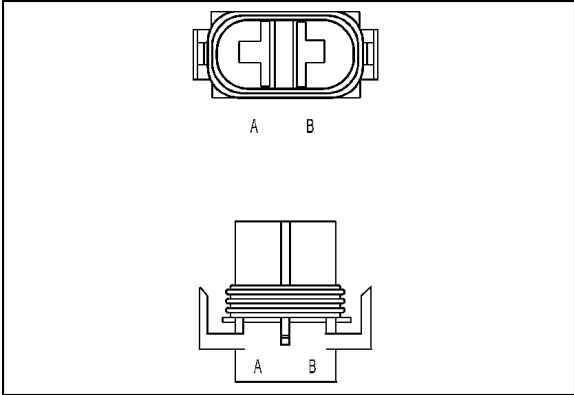
X162
LEFT HEADER LIGHT



ZEIL06CX0222A0B 6

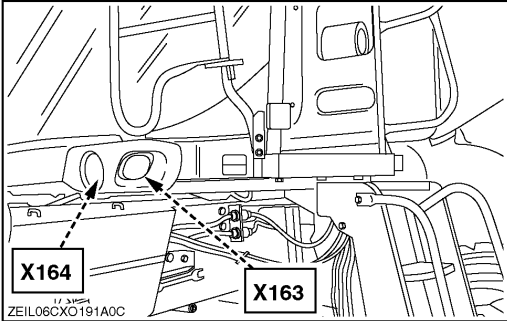
CONNECTOR X163

CONNECTOR X163 LEFT LOWER WORK LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	644 (PU)	LOWER WORK LIGHTS RELAY OUTPUT	Wiring harness - Electrical schematic frame 40 (A.30.A)
B	654 (BK)	GROUND	



X163 7

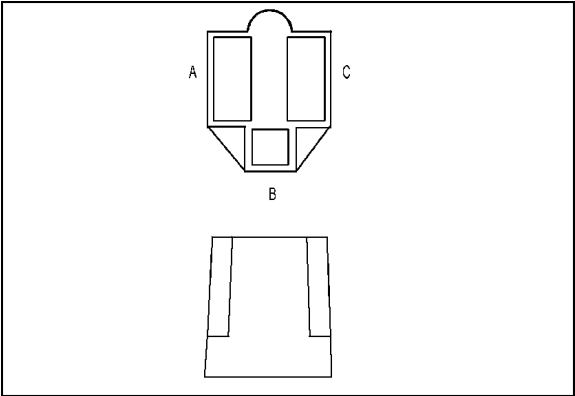
X163
LEFT LOWER WORK LIGHT



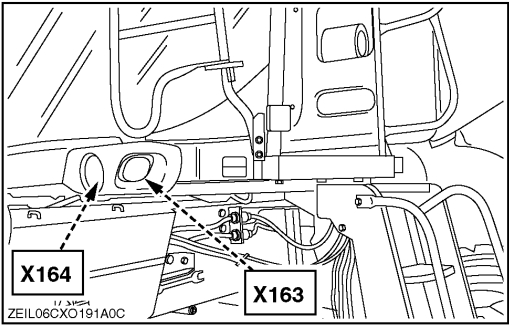
ZEIL06CX0191A0C 8

CONNECTOR X164

CONNECTOR X164 LEFT ROAD LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	640 / 1529 (PU)	HIGH BEAM RELAY OUTPUT	Wiring harness - Electrical schematic frame 36 (A.30.A)Wiring harness - Electrical schematic frame 37 (A.30.A)
B	638 / 1519 (PU)	LOW BEAM RELAY OUTPUT	
C	642 / 1534 (BK)	GROUND	



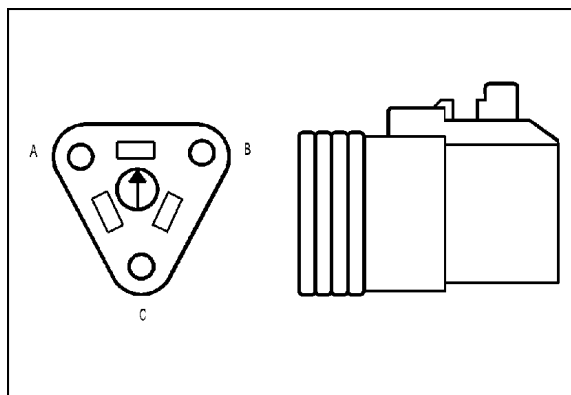
X164 9
X164
LEFT ROAD LIGHT



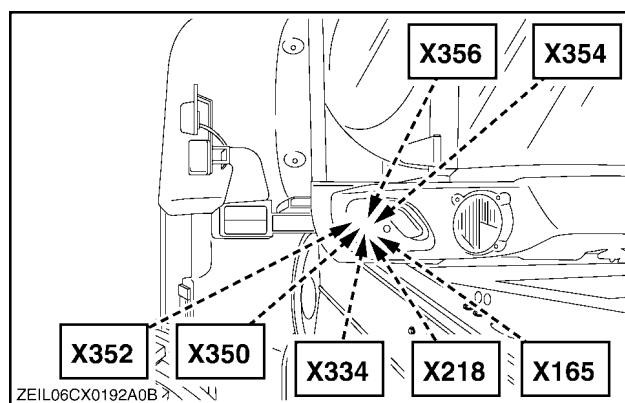
ZEIL06CX0191A0C 10

CONNECTOR X165

CONNECTOR X165 RIGHT FRONT HAZARD LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	627 (PU)	ROAD LIGHT SWITCH OUTPUT	Wiring harness - Electrical schematic frame 34 (A.30.A)
B	616 (PU)	FLASHER MODULE CIRCUIT	
C	621 (BK)	GROUND	



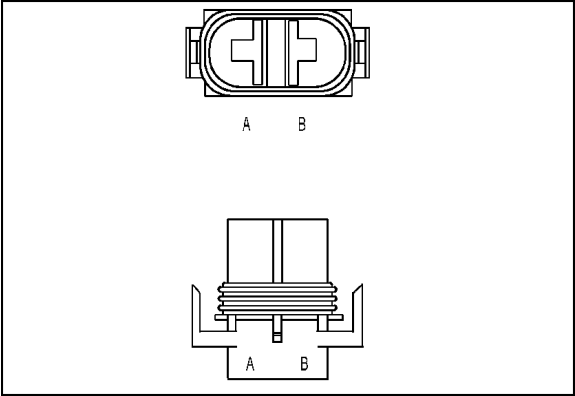
X165 11

X165**RIGHT FRONT HAZARD LIGHT**

ZEIL06CX0192A0B 12

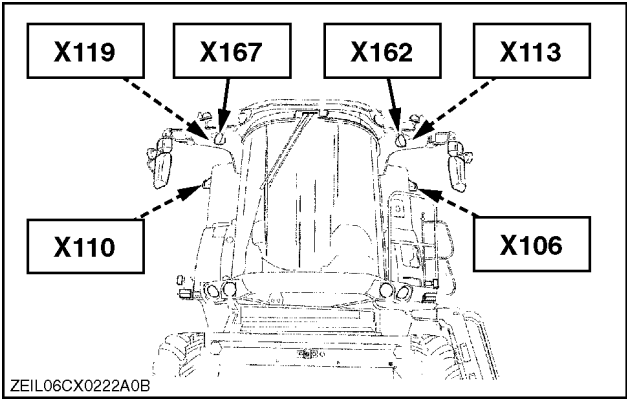
CONNECTOR X167

CONNECTOR X167 RIGHT HEADER LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	258 (PU)	RIGHT CENTER WORK LIGHT RELAY OUTPUT	Wiring harness - Electrical schematic frame 40 (A.30.A)
B	268 (BK)	GROUND	



X167 13

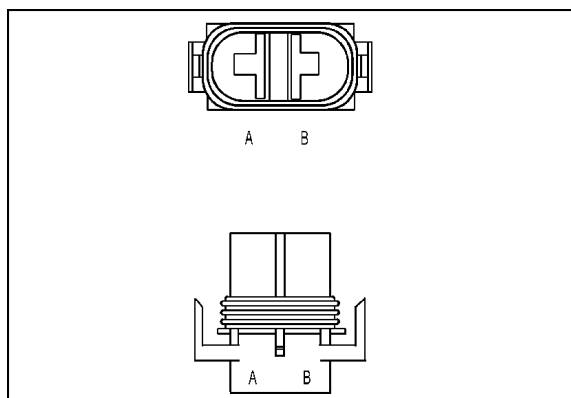
X167
RIGHT HEADER LIGHT



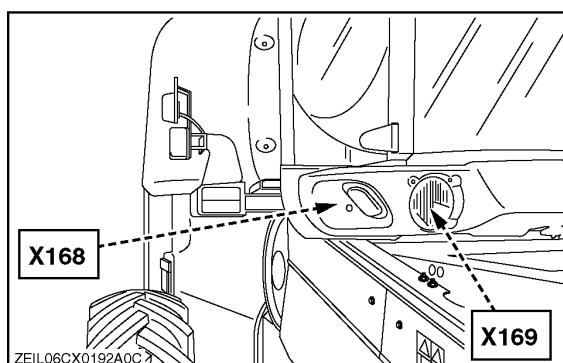
ZEIL06CX0222A0B 14

CONNECTOR X168

CONNECTOR X168 RIGHT LOWER WORK LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	645 (PU)	LOWER WORK LIGHT RELAY OUTPUT	Wiring harness - Electrical schematic frame 40 (A.30.A)
B	655 (BK)	GROUND	



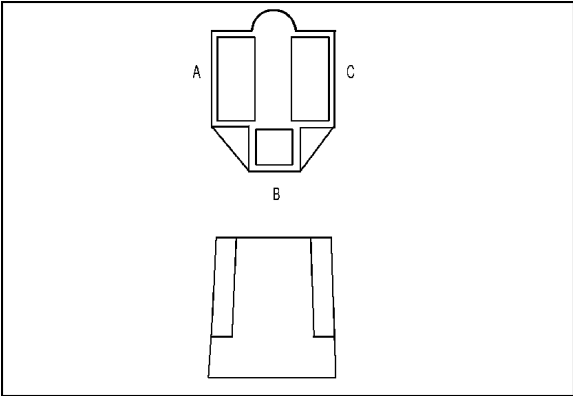
X168 15

**X168
RIGHT LOWER WORK LIGHT**

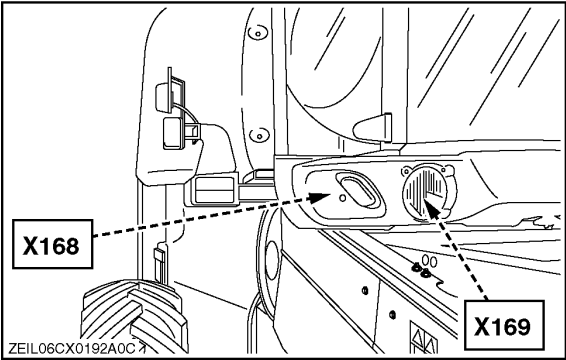
ZEIL06CX0192A0C 16

CONNECTOR X169

CONNECTOR X169 RIGHT ROAD LIGHT			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	641 / 1528 (PU)	HIGH BEAM RELAY OUTPUT	Wiring harness - Electrical schematic frame 36 (A.30.A)Wiring harness - Electrical schematic frame 37 (A.30.A)
B	639 / 1520 (PU)	LOW BEAM RELAY OUTPUT	
C	643 / 1533 (BK)	GROUND	



X169 17
X169
RIGHT ROAD LIGHT

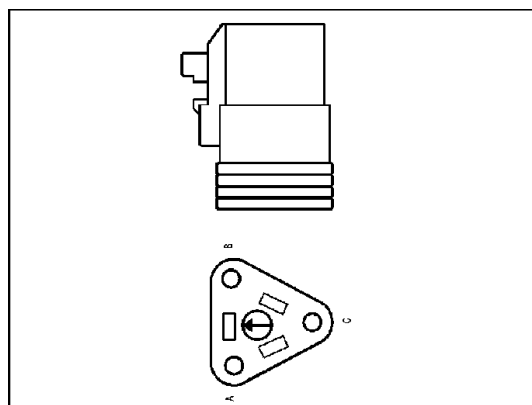


ZEIL06CX0192A0C 18

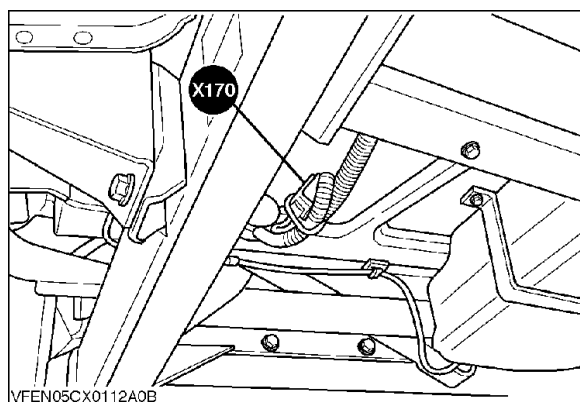
Wiring harness - Component diagram 17

CONNECTOR X170

CONNECTOR X170 LATERAL INCLINATION SENSOR			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	451 (PK)	LATERAL INCLINATION SENSOR REFERENCE VOLTAGE	Wiring harness - Electrical schematic frame 20 (A.30.A)
B	462 (BL)	LATERAL INCLINATION SENSOR GROUND	
C	430 (YE)	LATERAL INCLINATION SENSOR SIGNAL	



X170 1

X170**LATERAL INCLINATION SENSOR**

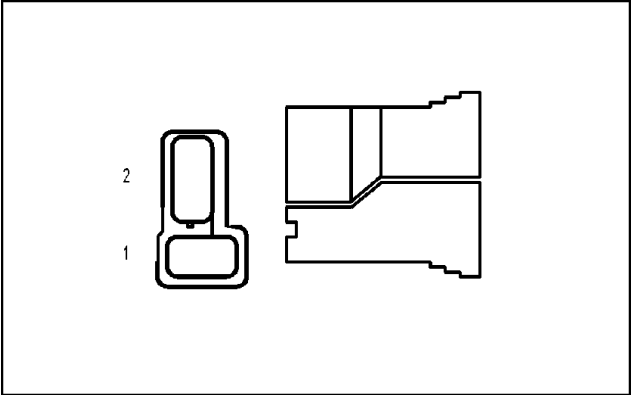
VFEN05CX0112A0B

vfen05cx0112a0b 2

X170 - LATERAL INCLINATION SENSOR FROM MAIN FRAME (MF) HARNESS

CONNECTOR X171

CONNECTOR X171 WIPER WASHER MOTOR			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	449 (BK)	GROUND	Wiring harness - Electrical schematic frame 45 (A.30.A)
2	278 (WH)	WIPER WASHER MOTOR ACTUATION	

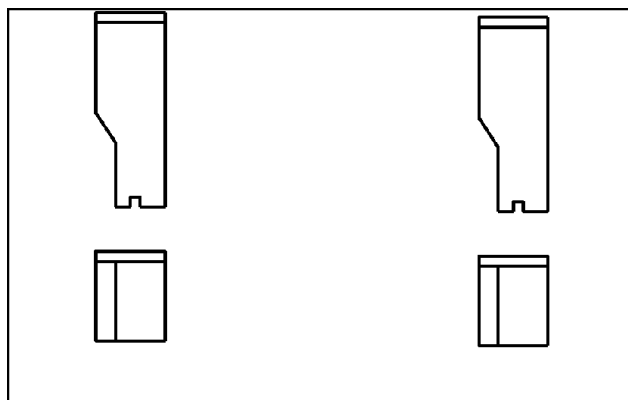


X171 3
X171
WIPER WASHER MOTOR

CONNECTOR X172

CONNECTOR X172 HORN			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	193 (WH)	HORN ACTUATION	Wiring harness - Electrical schematic frame 36 (A.30.A)

CONNECTOR X172 HORN			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	631 (BK)	GROUND	Wiring harness - Electrical schematic frame 36 (A.30.A)



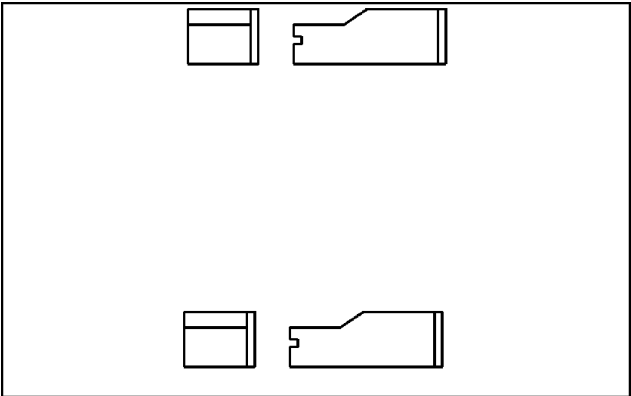
X172 4

**X172
HORN**

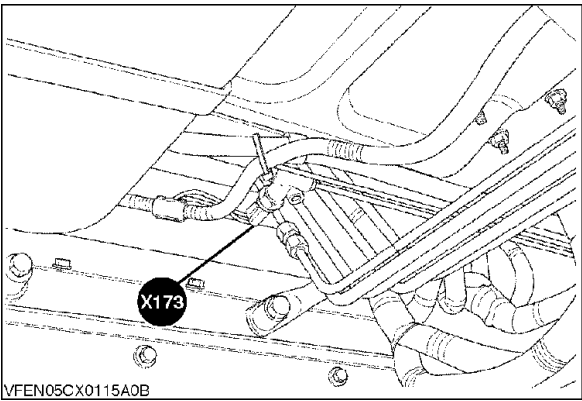
CONNECTOR X173

CONNECTOR X173 BRAKE PRESSURE			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1 (A)	497 (OR)	GROUND	Wiring harness - Electrical schematic frame 09 (A.30.A)

CONNECTOR X173 BRAKE PRESSURE			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1 (B)	418 (YE)	BRAKE PRESSURE SIGNAL	Wiring harness - Electrical schematic frame 09 (A.30.A)



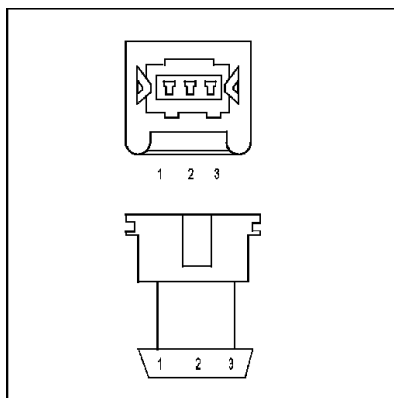
X173 5
X173
BRAKE PRESSURE



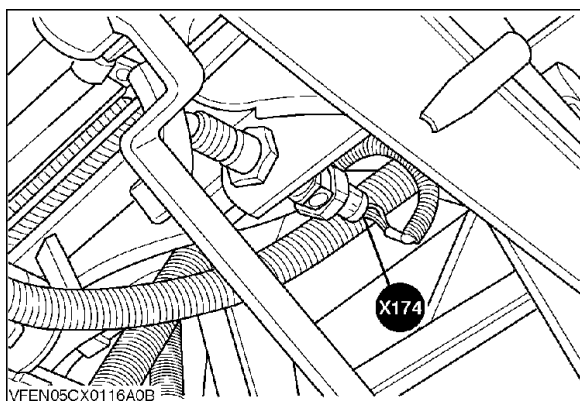
VFEN05CX0115A0B
vfen05cx0115a0b 6
X173 - BRAKE PRESSURE FROM MAIN FRAME (MF) HARNESS

CONNECTOR X174

CONNECTOR X174 STRAW ELEVATOR ANGLE			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	756 / 847(BL)	STRAW ELEVATOR ANGLE GROUND	Wiring harness - Electrical schematic frame 14 (A.30.A)
2	740 / 738(YE)	STRAW ELEVATOR ANGLE SIGNAL	
3	751 / 848(PK)	STRAW ELEVATOR ANGLE REFERENCE VOLTAGE	



X174 7

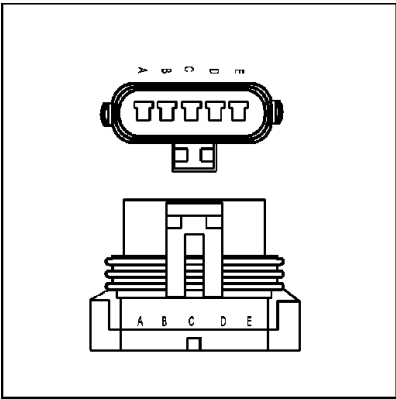
X174**STRAW ELEVATOR ANGLE**

vfen05cx0116a0b 8

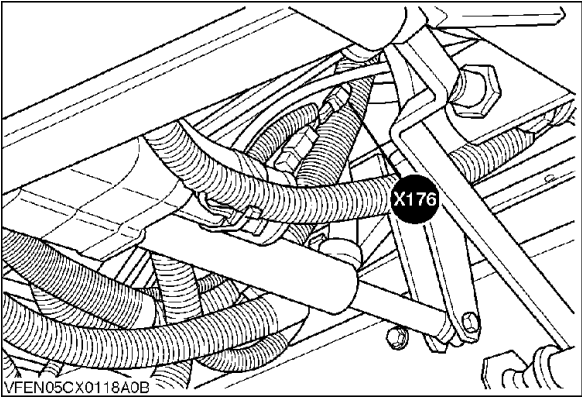
X174 - STRAW ELEVATOR ANGLE FROM MAIN FRAME (MF) HARNESS

CONNECTOR X176

CONNECTOR X176 CONCAVE MOTOR			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
A	498 (PK)	CONCAVE MOTOR REFERENCE VOLTAGE	Wiring harness - Electrical schematic frame 17 (A.30.A)
B	456 (BL)	CONCAVE MOTOR GROUND	
C	411 (YE)	CONCAVE MOTOR SIGNAL	
D	695 (WH)	CONCAVE MOTOR ACTUATION	
E	694 (GY)	CONCAVE MOTOR DECREASING ACTUATION	



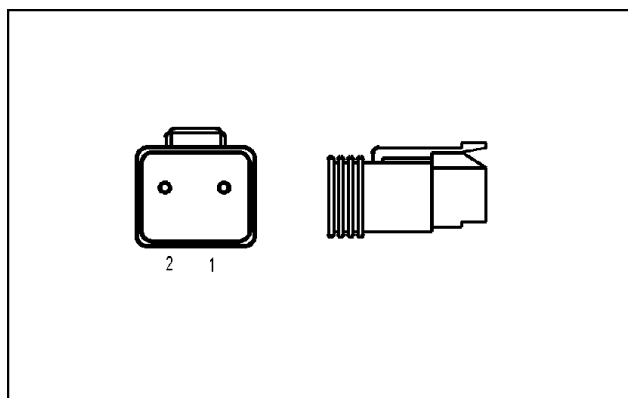
X176 9
X176
CONCAVE MOTOR



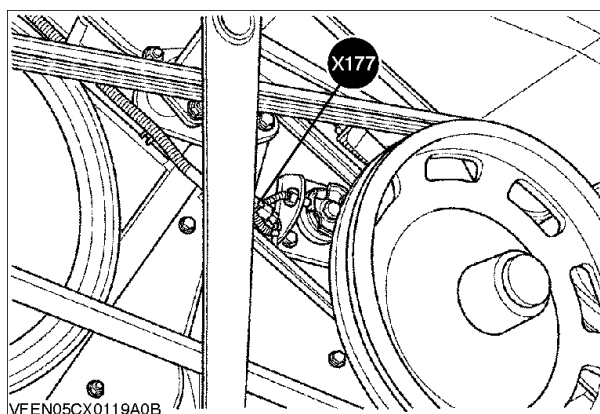
VFEN05CX0118A0B vfen05cx0118a0b 10
X176 - CONCAVE MOTOR FROM MAIN FRAME (MF) HARNESS

CONNECTOR X177

CONNECTOR X177 DRUM RPM			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	495 (BL)	DRUM RPM GROUND	Wiring harness - Electrical schematic frame 18 (A.30.A)
2	416 (YE)	DRUM RPM SIGNAL	



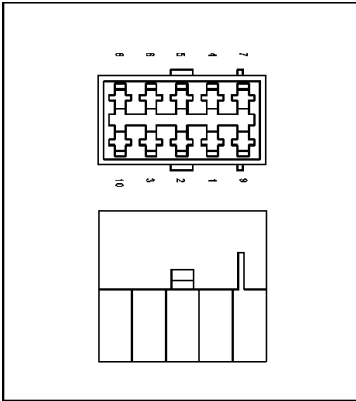
X177 11
X177
DRUM RPM



VFEN05CX0119A0B
vfen05cx0119a0b 12
X177 - DRUM RPM FROM MAIN FRAME (MF) HARNESS

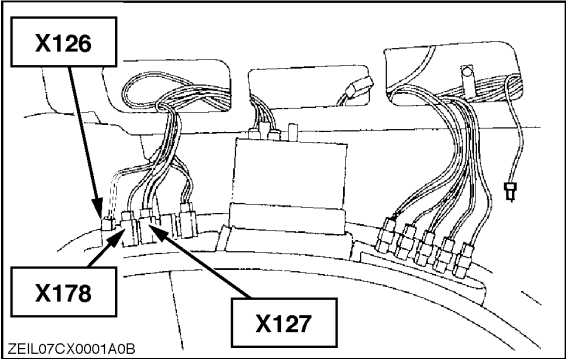
CONNECTOR X178

CONNECTOR X178 MIRROR SELECT SWITCH			
POS	WIRE NUMBER	CIRCUIT REFERENCE	ELECTRICAL SCHEMATIC FRAME
1	963 (WH)	RH GERMAN MIRROR DECREASING ACTUATION	Wiring harness - Electrical schematic frame 44 (A.30.A)
2	957 (WH)	MIRROR ADJUST SWITCH OUTPUT	
3	955 (WH)	LH GERMAN MIRROR DECREASING ACTUATION	
4	964 (WH)		
5	960 (WH)	MIRROR SELECT SWITCH LIGHTING FEED	
6	962 (WH)		
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-



X178 13

X178
MIRROR SELECT SWITCH



ZEIL07CX0001A0B 14

X178 - MIRROR SELECT SWITCH FROM CAB ROOF (CR) HARNESS

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manual**

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