

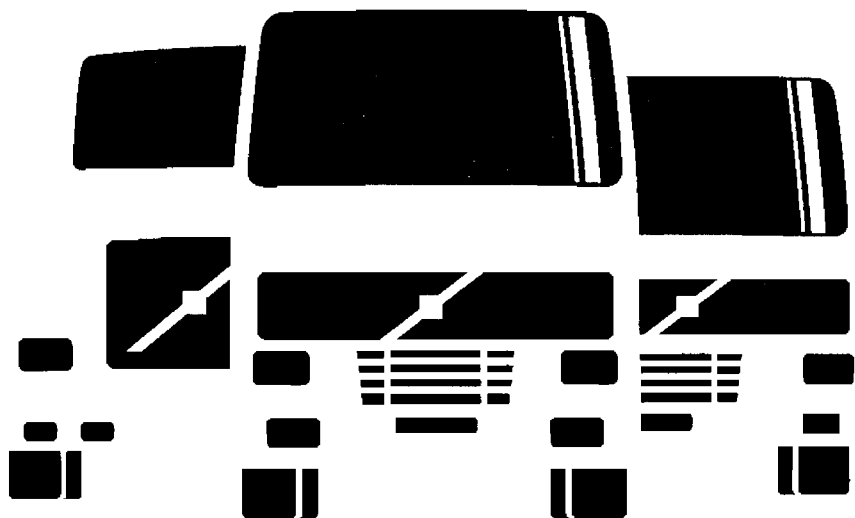
Service Manual Trucks

Group 37

Electrical Schematic:
Fuller Autoshift Transmission

VN

From Build Date 10.98

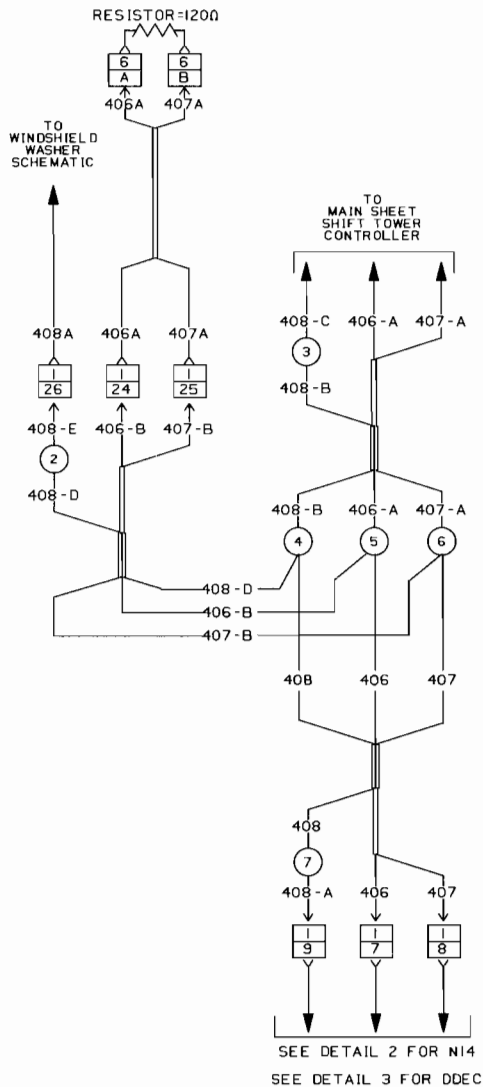


PV776-370-99262/1

VOLVO

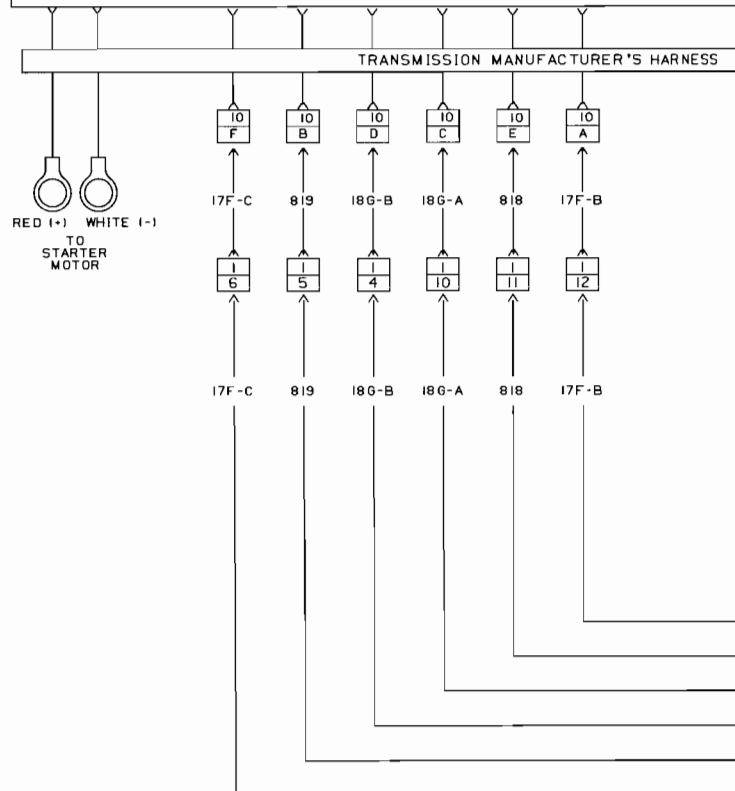
BATTERY 12 VOLT
IGNITION 12 VOLT
ACCESSORY 12 VOLT

DETAIL 1 - N14/DDEC ENGINES WITH AUTOSHIFT ONLY

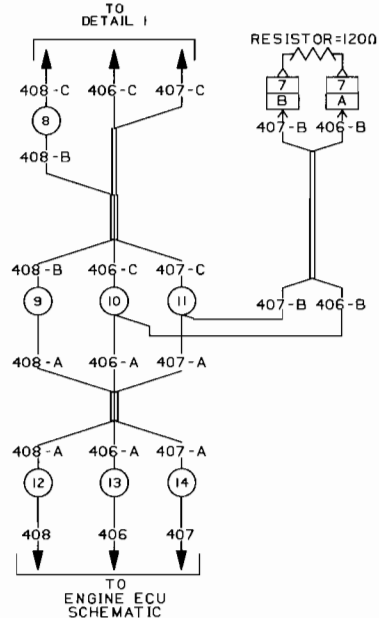


TRANSMISSION CONTROLLER

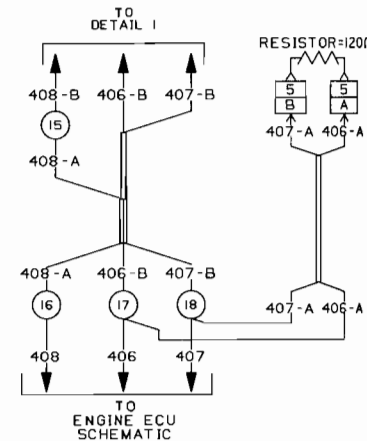
SEE MANUFACTURER'S DOCUMENTATION FOR ADDITIONAL SCHEMATIC INFORMATION



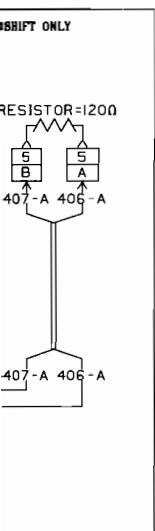
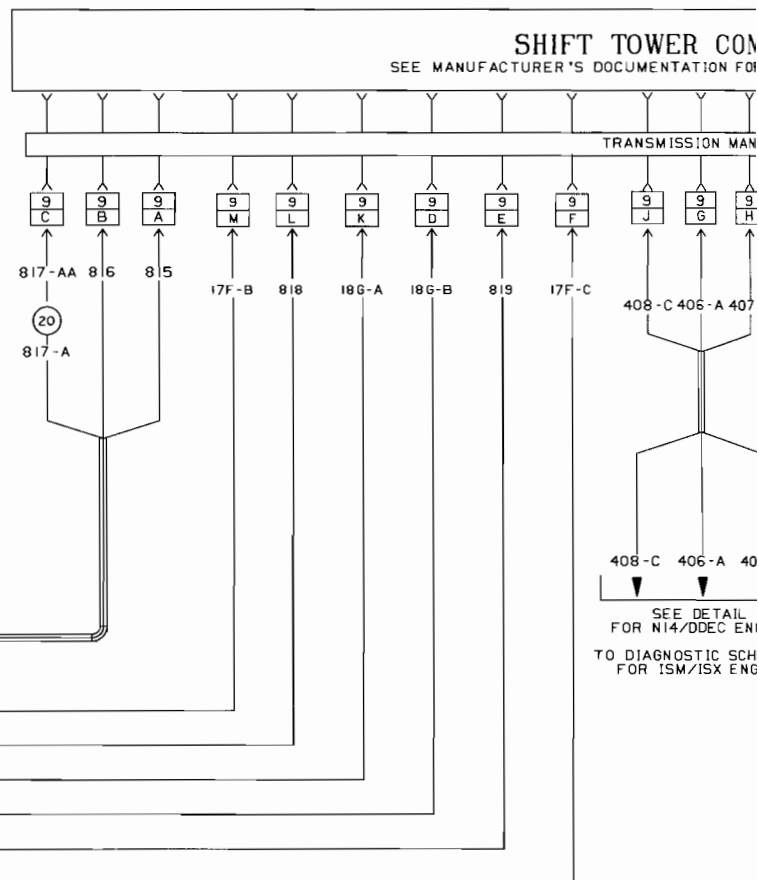
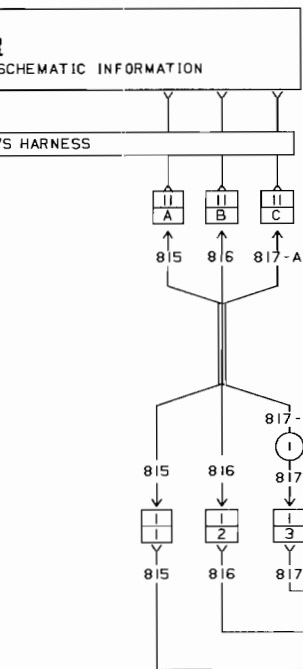
DETAIL 3 - DDEC ENGINES WITH AUTOSHIFT ONLY



DETAIL 2 - CUMMINS N14 ENGINES WITH AUTOSHIFT ONLY



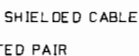
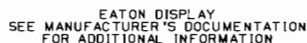
Fuller Autoshift Transmission - VN



≡≡≡ DENOTES J1939 SHIELDED CAB

— — — DENOTES TWISTED PAIR

DOCUMENTATION FOR ADDITIONAL SCHEMATIC INFORMATION



EFFECTIVE DATE	DESC
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TABLE OF CONTENTS

[illegible]

DISPLAY UNIT ADAPTER



GEAR DISPLAY

J1839 TERMINATION RESISTOR

J1939 TERMINATION RESISTOR

J1939 TERMINATION RESISTOR

SPLICE	HARNES
1	ENGINE
2	INTER
3	INTER
4	INTER
5	INTER
6	INTER
7	INTER
8	ENGINE
9	ENGINE
10	ENGINE
11	ENGINE
12	ENGINE
13	ENGINE
14	ENGINE
15	ENGINE
16	ENGINE
17	ENGINE
18	ENGINE
19	INTER
20	INTER

CHANGE HISTORY

EFFECTIVE DATE	DESCRIPTION

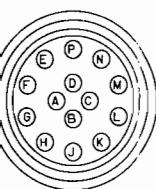
**CONNECTOR 8
VEHICLE INTERFACE**

TABLE OF CONTENTS		
CAVITY	CIRCUIT	FUNCTION
A	820	CLOCK(+)
B	821	DATA(-)
C	186-D	GEAR DISPLAY POWER(+)
D	822	GEAR DISPLAY POWER(-)
E	400-J	J1708 DATA LINK(+)
F	401-J	J1708 DATA LINK(-)
J	823	START EN(+)
L	196DR-C	IGNITION FEED
M	141-BH	INSTRUMENT LAMP FEED

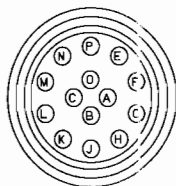
**CONNECTOR 9
ECU**

TABLE OF CONTENTS		
CAVITY	CIRCUIT	FUNCTION
A	815	EPL-HIGH
B	816	EPL-LOW
C	817-AA	EPL-SHIELD
D	186-B	+VBATT
E	819	TRANS. GND.
F	17F-C	BATT1
G	406-A	J1939 CAN - H
H	407-A	J1939 CAN - L
J	408-C	J1939 SHIELD
K	186-A	+VBATT2
L	818	TRANS-GND
M	17F-B	BATT2

**CONNECTOR 10
TRANSMISSION**

TABLE OF CONTENTS		
CAVITY	CIRCUIT	FUNCTION
A	17F-B	BATT2
F	818	TRANS-GND
C	186-A	+VBATT2
D	186-B	+VBATT
B	819	TRANS. GND.
E	17F-C	BATT1

**CONNECTOR 11
TRANSMISSION**

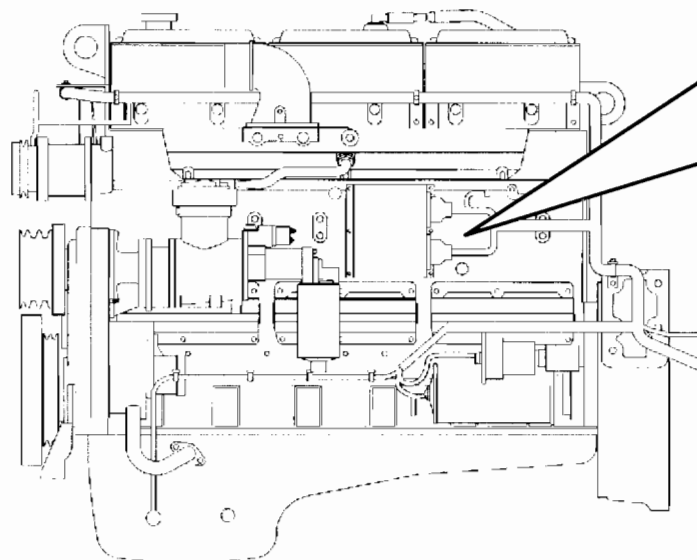
TABLE OF CONTENTS		
CAVITY	CIRCUIT	FUNCTION
A	815	EPL-HIGH
B	816	EPL-LOW
C	817-A	EPL-SHIELD

SPLICE LOCATION CHART

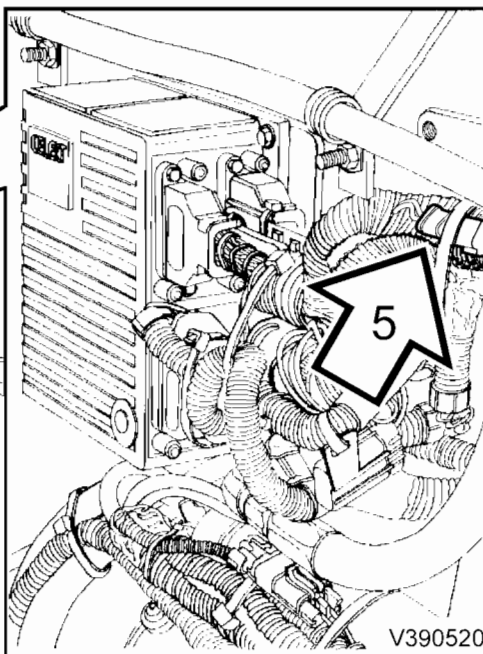
SPLICE	HARNESS	LOCATION
1	ENGINE	INTERFACE HARN CONN BREAKOUT
2	INTERFACE	MAIN TRUNK
3	INTERFACE	MAIN TRUNK
4	INTERFACE	MAIN TRUNK
5	INTERFACE	MAIN TRUNK
6	INTERFACE	MAIN TRUNK
7	INTERFACE	MAIN TRUNK
8	ENGINE	INTERFACE HARN CONN BREAKOUT
9	ENGINE	NEAR ENGINE ECU BRANCH
10	ENGINE	NEAR ENGINE ECU BRANCH
11	ENGINE	NEAR ENGINE ECU BRANCH
12	ENGINE	ECU BREAKOUT
13	ENGINE	ECU BREAKOUT
14	ENGINE	ECU BREAKOUT
15	ENGINE	INTERFACE HARN CONN BREAKOUT
16	ENGINE	25MM FROM ENGINE ECU BRANCH
17	ENGINE	25MM FROM ENGINE ECU BRANCH
18	ENGINE	25MM FROM ENGINE ECU BRANCH
19	INTERFACE	MAIN TRUNK
20	INTERFACE	MAIN TRUNK

V370877

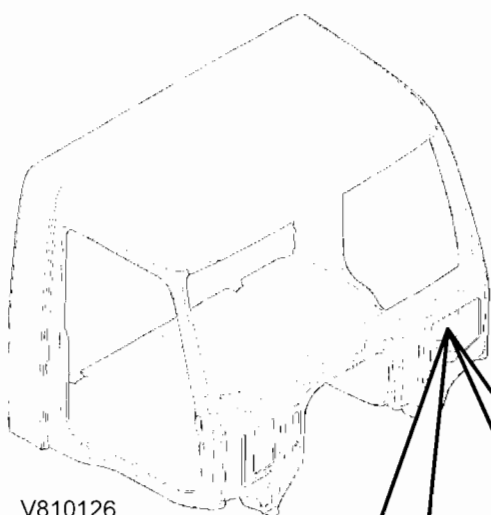
Schematic #3188872.02



V200096



V390520



V810126

