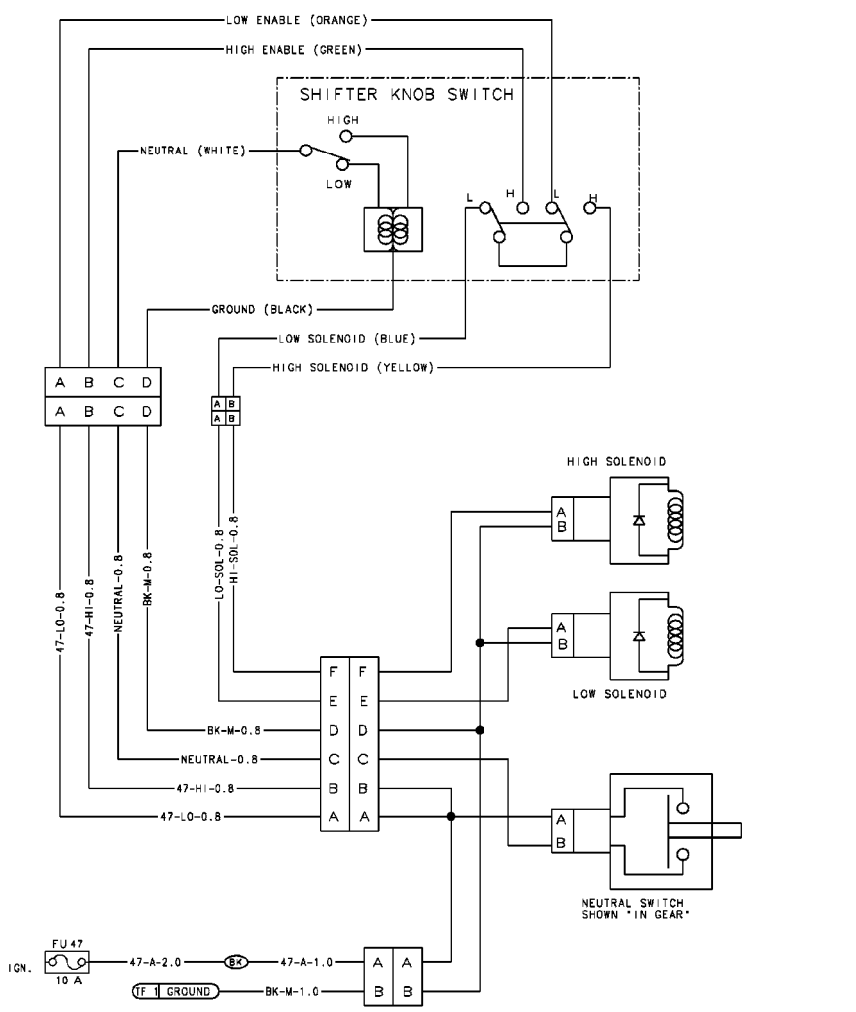
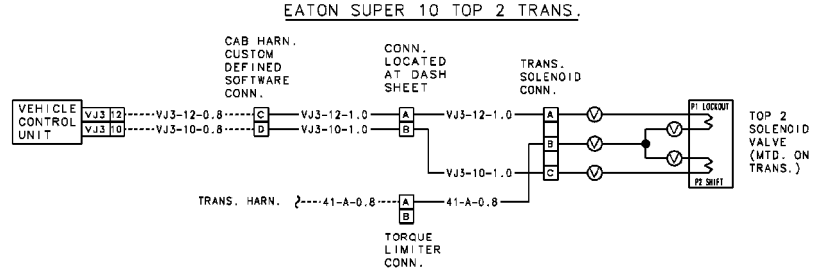
8MR51423 SH 13		
GENERAL SPECIFICATIONS		
NO.	SUBJECT	APPLIES TO
612GS112	GRAPHIC SYM - ELECT. & ELECTRONIC DIAG.	ALL

NO. 8MR51423 SH 13						
SYM.	ZONE	CHANGES	NO.	DATE	BY	APPD.
A	---	ISSUED	PCN000143 CP0021031	1/07/02	KWA	NLH GAS
G	B4	SHT 13 WAS SHT 12; REVISED SHEET LEGENDS 12-20.	PCN006250 CP004253	01/11/06	GWH	LLR GAS

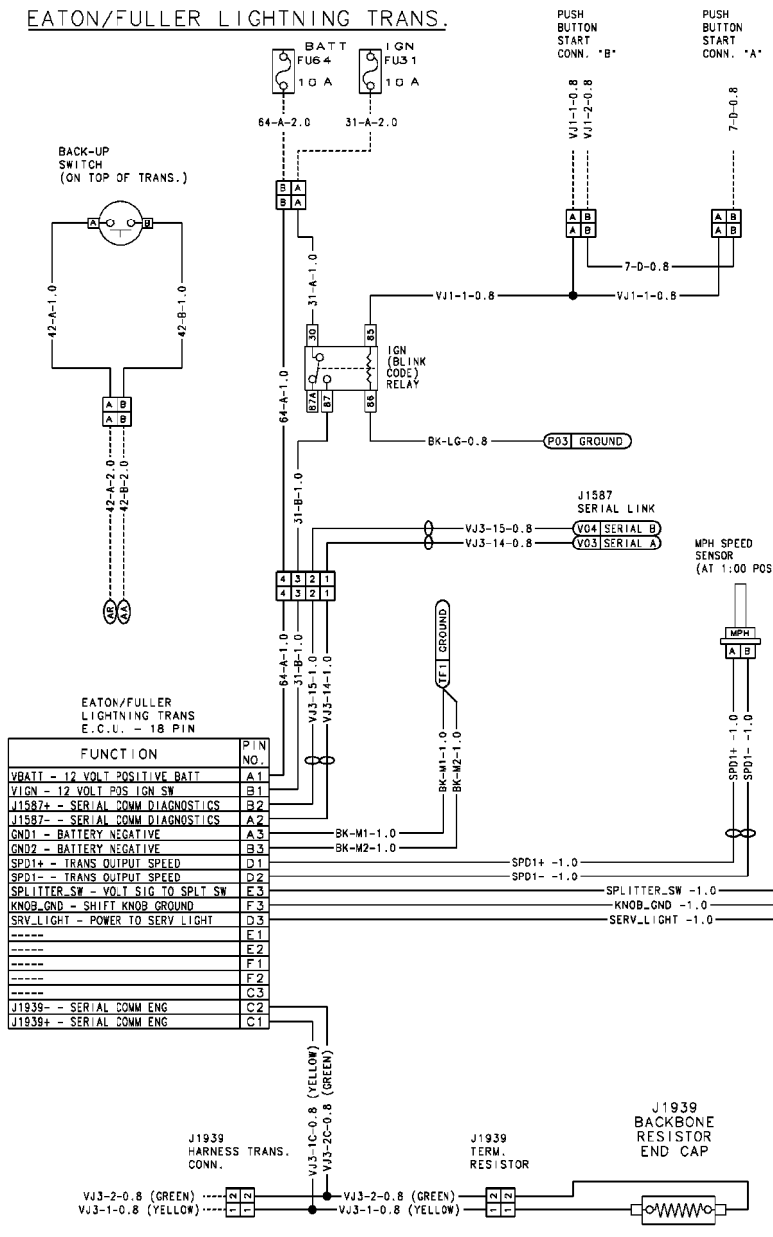
MERITOR TRANS. W/ELECTRIC OVER AIR SHIFT



EATON SUPER 10 TOP 2 TRANS.



EATON/FULLER LIGHTNING TRANS.



EATON/FULLER LIGHTNING TRANS. E.C.U. – 18 PIN

FUNCTION	PIN NO.
VBATT – 12 VOLT POSITIVE BATT	A1
VIGN – 12 VOLT POS IGN SW	B1
J1587+ – SERIAL COMM DIAGNOSTICS	B2
J1587– – SERIAL COMM DIAGNOSTICS	A2
GND1 – BATTERY NEGATIVE	A3
GND2 – BATTERY NEGATIVE	B3
SPD1+ – TRANS OUTPUT SPEED	D1
SPD1– – TRANS OUTPUT SPEED	D2
SPLITTER_SW – VOLT SIG TO SPLT SW	E3
KNOB_GND – SHIFT KNOB GROUND	F3
SRV_LIGHT – POWER TO SERV LIGHT	G3
-----	E1
-----	E2
-----	F1
-----	F2
-----	G3
J1939– – SERIAL COMM ENG	G2
J1939+ – SERIAL COMM ENG	C1

REFERENCE SYMBOL LEGEND

- 31 = 31 PIN ABS BULKHEAD CONNECTOR
- M = 12 PIN TRANSMISSION HARNESS CONNECTOR
- AS = ENGINE POWER DISTRIBUTION MODULE CONNECTOR "A"
- BS = ENGINE POWER DISTRIBUTION MODULE CONNECTOR "B"
- VJ3 18 = V-MAC CAB CONTROL UNIT CONNECTORS
- V04 SERIAL B = V-MAC OPTION 4 POLE JUNCTION BLOCK
- P03 GROUND = POWER OPTION 3 POLE JUNCTION BLOCK
- TF10 FUEL HTR = TRAILER 10 POLE JUNCTION BLOCK
- INDICATES ENGINE POWER DISTRIBUTION MODULE CIRCUITS.
- INDICATES EXISTING WIRES
- INDICATES TWISTED PAIR

WIR NG DIAGRAM SHEET LEGEND

SH 1 – POWER DISTRIBUTION
SH 2 – LIGHTING CIRCUITS
SH 3 – STD. BASIC CIRCUIT 'A'
SH 4 – STD. BASIC CIRCUIT 'B'
SH 5 – V-MAC CIRCUITS
SH 6 – EPA'02 ECU CIRCUITS
SH 7 – ABS BENDIX ABS 6
SH 8 – ABS WABCO E-VERSION
SH 9 – GROUND CIRCUITS
SH 10– ENGINE POWER DISTR.
SH 11 – AUTO/ULTRA SHIFT GEN2
SH 12 – AUTO/ULTRA SHIFT GEN3
SH 13 – AUTO.TRANS.CIRCUIT'B'
SH 14 – OPTIONAL CIRCUIT 'A'
SH 15 – OPTIONAL CIRCUIT 'B'
SH 16 – OPTIONAL CIRCUIT 'C'
SH 17 – OPTIONAL CIRCUIT 'D'
SH 18 – 48" & 56" SLEEPER BOX
SH 19 – MULTIVISION SLEEPER
SH 20 – CONNECTOR LEGENDS

AUTO. TRANS. CIRCUITS 'B'

DENOTES KEY CONTROL CHARACTERISTIC. IDENTIFIES THESE ITEMS ON WHICH DEFINED PROCESS CONTROLS AND STATISTICAL APPLICATION ARE MANDATORY.
APPLIED TO THIS ENG. ☐ YES ☑ NO

CAN & CHN

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ref.	8MR54-05	ALL LINEAR DIMENSIONS ARE SHOWN IN IN. UNLESS OTHERWISE SPECIFIED	
superd.	-----		
MATL.	-----	INCHES TOL	METRIC TOL
MFG.	GREG R. SMEDKLEN	1. DO NOT SCALE DRAWING 2. FL ○ ± .XXD IN 3 PL .OOO ± .XXD IN ANGLES ± 2°	1. DO NOT SCALE DRAWING 2. .XX ± 1.55 mm .XXX ± 1.075 mm .XXXX ± 0.25 mm ANGLES ± 2°
ENGRG.	NITTHAN L. HOUSER	3. REMOVE BURRS, CHAMFER OR RADIUS CORNERS .02 IN MAX.	3. REMOVE BURRS, CHAMFER OR RADIUS CORNERS 0.5 mm MAX.
CHKD.	-----		
DRAWN	KEITH ANDERSEN		
DATE	11-07-02	SCALE NTS	SIZE D

PREVIOUS CHANGES

THIRD ANGLE PROJECTION

MACK TRUCKS, INC.

TITLE: WIRING DIAGRAM

NO. 8MR51423 SH 13

END

NO. 8MR51423 SH 13

FORM NO. ED89-12-5