8MR51423 SH 1 OF 20		
GENERAL SPECIFICATIONS		
NO.	SUBJECT	APPLIES TO
612GS112	GRAPHIC SYM - ELECT. & ELECTRONIC DIAG.	ALL

NO.	8MR51423 SH 1 OF 20				
SYM	ZONE	CHANGES	NO.	DATE	BY	APPD
A	—	ISSUED	PCN000143 CP0021031	11/07/05	KWA	NLR GAS
G	—	ISSUE NEW SHT 12; RENUMBER SHTS 13-20; REVISE SHEET LEGEND ON ALL SHEETS.	PCN006250 CP004253	01/31/06	CWH	LLR GAS
H	A1 —	SH 1 OF 20 WAS SH 1 OF 19 (TYP)	PCN006250 CP004253	02/01/06	CWH	LLR GAS
I	—	REVISED SHEET 12.	PCN008118 CP004253	02/09/06	CWH	LLR GAS

CAB CIRCUIT PROTECTION

#1 5A	#2 *	#3 15A	#4 20A
SHEET 1 & 5	SHEET 1 & 2	SHEET 1,2 & 3	SHEET 1 & 2
VCU (CLOCK) 12V "ABC" CLUSTER	HEADLAMPS DRL MODULE * SEE SHT2 FOR AMPERAGE	PARK & TAIL LPS. CAB ID. LPS. PANEL LPS.	DIRECT. LPS., FLASHER
#5 10A	**#6 10A**	**#7 10A**	**#8 20A**
SHEET 1 & 2	SHEET 1 & 3	SHT1,2 & 11	SHEET 1 & 3
TRACTOR STOP LPS.	DOME LPS., COURTESY LPS.	IGN. SWITCH	CIGAR LIGHTER HORN
#9 15A	**#10 15A**	**#11 15A**	**#12 10A**
SHEET 1 & 3	SHEET 1 & 5	SHEET 1 & 3	SHEET 1,3&14
CB POSTS	COMMUNICATION CONNECTOR (DDL) RADIO	BATTERY STUD	ELECTRIC DOOR LOCKS OR SPARE
#13 * A	**#14**	**#15**	**#16 10A**
SHEET 1,7&8			SHEET 1 & 5
* ABS * SEE SH.#7 & 8 FOR AMPERAGE	OPEN	OPEN	VEHICLE CONTROL UNIT (VCU)
#17 10A		**#18 20A**	**#19 10A**
SHEET 1 & 5		SHEET 1 & 5	SHEET 1,2,4,7&8
CLUTCH SWITCH, ENGINE BRAKE, CRUISE ON/OFF & SET/RESUME, DYERRDC SWITCH, PARK BRAKE, PTO W/O T2000, SPARE (VCU) RELAY COILS		SPARE (VCU) CDS	GAUGES, POLO SWITCH, DIGITAL DISPLAY, IND. LAMPS
#20 20A	**#21 20A**	**#22 20A**	**#23 20A**
SHEET 1,4,13&15	SHEET 1 & 4	SHEET 1,3&14	SHEET 1,3&14
HTD. MIRRORS, MOTO. MIRROR, COLD START	WINDSHIELD WIPER & WASHER	LH WINDOW LIFT MOTOR	RH WINDOW LIFT MOTOR
#24 10A	**#25 40A**	**#26 15A**	**#27 15A**
SHEET 1 & 4	SHEET 1 & 4	SH. 1,2,17,18	SHEET 1 & 4
SPARE	HEATER/AIR CONDITIONER	HOOK-UP LPS.	IGNITION STUD
#28 20A	**#29**	**#30 20A**	**#31 10/15A**
SHEET 1,4,15		SHEET 1,4,13	SHT.1,4,11,12
HTD. SEATS	OPEN	SPARE	OPT. IGN. SW. OPT. SHIFT TRANS. OR SPARE
#60 25A	**#61 20A**	**#62 20A**	**#63 15A**
SHEET 1	SHEET 1,4,13	SHEET 1 & 4	SHEET 1 & 4
2-POWER OUTLET SOCKETS	OPT. BATT. SW. SPARE	SPARE	SPARE
#64 10A			
SHEET 1,4,12			
SPARE OR LIGHTING TRANS.			

ENGINE CIRCUIT PROTECTION

#32 20A	#33 30A	#34 30A	#35 30A
SHEET 1 & 10	SHEET 1,2,10	SHEET 1,4,10	SHEET 1,2,10
SPARE	TRAILER STOP LPS.	REVERSE/ NEUTRAL POWER	CAB & TRAILER CLEARANCE LPS., MIRROR ILLUM.
#36 20A	**#37 30A**	**#38 30A**	**#39 30A**
SHEET 1,2,10	SHEET 1,2,10	SHEET 1,5 &10	SHEET 1,4 & 10
FOG LPS.	TRAILER TAIL LPS.	ENGINE CONTROL UNIT (ICN.)	TRAILER ABS POWER
#40 20A	**#41 15A**		**#42 20A**
SHEET 1 & 10	SHEET 1,5,10,14		SHEET 1,4,10
SPARE	FAN CLUTCH, TORQUE LIMITER, PTO W/ T2000, WEBB FUEL LEVEL SENSOR SUPER 10 TO 2 TRANS.		BACK-UP LPS.
#43 20A	**#44 25A**	**#45 30A**	**#46 20A**
SHEET 1 & 10	SHEET 1,4,5,10	SHEET 1 & 10	SHEET 1 & 10
SPARE	AIR DRYER, HTD. DRAIN VALVE	SPARE/ FUEL SEPERATOR, FUEL HEATER	SPARE
#47 10/20A	**#48 50A**	**#49 10A**	**#50 30A**
SHEET 1,10,12	SH.1,10,17,18	SHEET 1,4 & 10	SHEET 1 & 10
MOTOR TRANS. ECM OR SPARE	SLEEPER BOX	ABS	AUX. COOLING

WIRING 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' & 55' SLEEPER BOX
SH 19 - MULTIVISION SLEEPER
SH 20 - CONNECTOR LEGENDS

POWER DISTRIBUTION

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

CAN & CHN
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ref.	8MR64-05	ALL LINEAR DIMENSIONS ARE SHOWN IN IN.	
suped.	------	UNLESS OTHERWISE SPECIFIED	
F	PCN004597	MATL. ------	INCHES TOL. / METRIC TOL.
E	PCN003129	MFG. GREG R. SHECKLER	1. DO NOT SCALE DRAWING. 2. .1 PL OD = ±.005 IN / 2 PL OD = ±.030 IN / 3 PL OD = ±.010 IN / ANGLES = 2° 3. REMOVE BURRS, CHAMFER OR RADIUS CORNERS .02 IN MAX.
D	PCN001366	ENGRG. NIKTHAN L. HOUSER	X.XX = ± 1.5 mm / X.XXX = ± 0.75 mm / XX.XX = ± 0.25 mm / ANGLES = 2°
C	PCN001366	CHKD. ------	
B	PCN000143	DRAWN KEITH ANDERSEN	
		DATE 11-07-05	SCALE NTS / SHEET ------
PREVIOUS CHANGES		MACK TRUCKS, INC.	
THIRD ANGLE PROJECTION		TITLE: WIRING DIAGRAM	
		NO. 8MR51423 SH 1 OF 20	