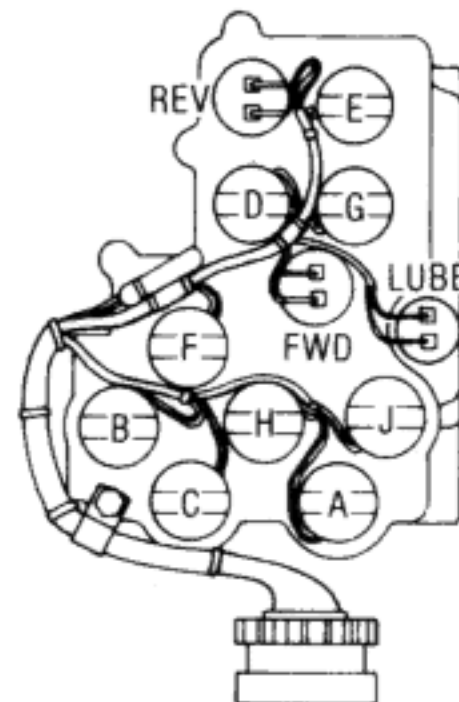


MT 600, HT 700, CT 700 ELECTRONIC CONTROLS DIAGNOSTIC CODES

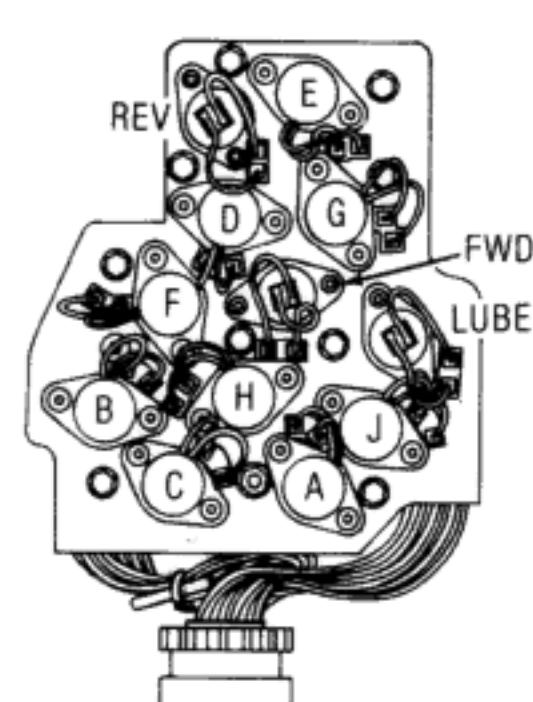
- 12 LOW LUBE PRESSURE/OIL LEVEL
- 13 LOW BATTERY VOLTAGE
- 14 FORWARD PRESSURE SWITCH
- 15 REVERSE PRESSURE SWITCH
- 21 THROTTLE SENSOR
- 22 SPEED SENSOR
- 23 SHIFT SELECTOR
- 24 OIL TEMPERATURE
- 31 SECONDARY SHIFT SELECTOR
- 32 DIRECTION SIGNALS
- 33 OIL TEMPERATURE SENSOR
- 34 PROM CHECK
- 41 J SOLENOID/CIRCUITRY
- 42 F SOLENOID/CIRCUITRY
- 43 D SOLENOID/CIRCUITRY
- 44 C SOLENOID/CIRCUITRY
- 45 B SOLENOID/CIRCUITRY
- 46 A SOLENOID/CIRCUITRY
- 51 G (LOCKUP) SOLENOID/CIRCUITRY
- 52 E (TRIM BOOST) SOLENOID/CIRCUITRY
- 53 H (NEUTRAL RANGE) SOLENOID/CIRCUITRY
- 54 LATCHING SOLENOID CHAIN
- 66 TRANSMISSION-ENGINE COMMUNICATION LINK (TECL)
- 69 ELECTRONIC CONTROL UNIT TEST

TORQUE VALUES

- | | |
|------------------------|-------------|
| REVERSE-FORWARD SWITCH | |
| 1/8-27 NPTF | 4-5 lb-ft |
| TORX® BOLTS | 5-7 lb-ft |
| LUBE SWITCH | |
| 1/4-18 NPTF | 8-10 lb-ft |
| TORX® BOLTS | 5-7 lb-ft |
| CLAMP-DOWN SOLENOIDS | |
| 1/4-20 BOLTS | 9-11 lb-ft |
| 5/16-18 BOLT | 17-20 lb-ft |
| BOLT-DOWN SOLENOIDS | |
| TORX® BOLTS | 9-11 lb-ft |
| SPEED SENSOR BOLT | 20-23 lb-ft |
| BULKHEAD NUT | 40-48 lb-ft |



CLAMP-DOWN
SOLENOIDS



BOLT-DOWN
SOLENOIDS

4 SPEED

RANGE	LATCHING SOLENOIDS					N/L SOLENOIDS		
	B	C	D	F	J	H	G	E
4	X	X	X	X	O	X		
3	X	X	O	X	O	X		
2	X	O	O	X	O	X		
1	O	O	O	X	O	X		
N	O	O	O	O	X	—		
R	O	O	O	O	O	X		
LOCKUP							X	
TRIM BOOST								—

5 SPEED

RANGE	LATCHING SOLENOIDS						N/L SOLENOIDS		
	A	B	C	D	F	J	H	G	E
5	X	X	X	X	X	O	X		
4	X	X	X	O	X	O	X		
3	X	X	O	O	X	O	X		
2	X	O	O	O	X	O	X		
1	O	O	O	O	X	O	X		
N	O	O	O	O	O	X	—		
R	O*	O	O	O	O	O	X		
LOCKUP								X	
TRIM BOOST									—

- X DENOTES POSITIVE VOLTAGE OR PULSE: PRESSURIZED
- O DENOTES NEGATIVE VOLTAGE OR PULSE: EXHAUSTED
- DENOTES NO VOLTAGE: EXHAUSTED
- * A SOLENOID IS POSITIVE IN HT 700DR MODELS