

TL134063 AIR BRAKE WIRING DIAGRAM WITH TRCM AND J1939 OBD13

9jun14jh

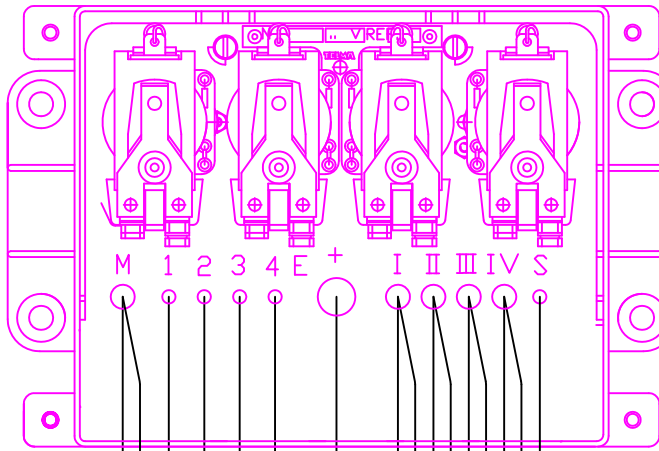
NOTE: FIRMWARE VERSION 11.03.14 OR 03.00.05 & LATER REQUIRED FOR J1939. REFER TO TL103037 FOR MORE DETAILS

J1939 CAN control features:
TRCM active outputs turn off under the following conditions.
1) during ABS event
(with progressive reactivation)
2) Speed below 2 mph
3) Throttle position greater than 1%
4) Cruise Control is engaged

TRCM
TIG31062
12V/24V

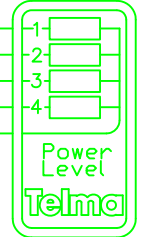
(OPTIONAL)
25%/50%
THROTTLE
ACTIVATION

GROUND



RELAY BOX
JD331121 (12V)
JD332121 (24V)

LIGHT BAR
DISPLAY
TIG11010 (12V)
TIG21010 (24V)



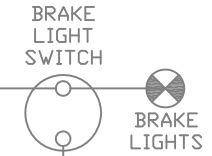
1 1
2 2
3 3
4 4
5 5

DRG/WHT
BLU/WHT
YEL/GRN
BRN/WHT
BLK

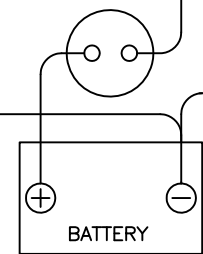
RELAY BOX GROUND

BATT.(+) RED 2/0
STAGE (1) 6 GA.
STAGE (2) 6 GA.
STAGE (3) 6 GA.
STAGE (4) 6 GA.

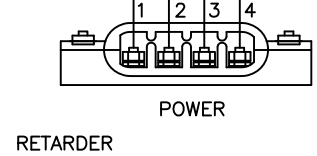
BRAKE LIGHT RELAY
(ONLY WITH HAND CONTROL)



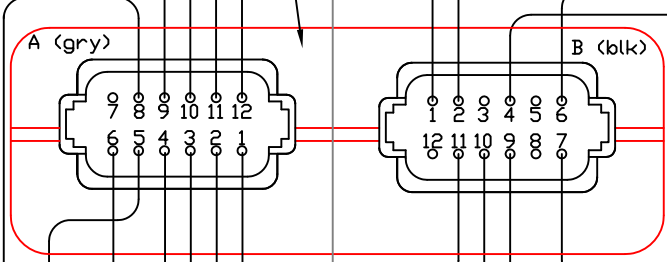
BATTERY DISCONNECT SWITCH



RET GND
GROUND



RETARDER



TRANSDUCER HARNESS TID11051

(OPTIONAL)
HAND CONTROL
JL210304
FOR MANUAL OR
OFF THROTTLE
ACTIVATION

PRESSURE
TRANSDUCER
TIG31065
connect to
treadle valve
primary delivery
port (air brakes)

CONNECT TO PC FOR FINAL CONFIGURATION CHECK AND DIAGNOSTICS
1. set transducer voltages to stage1=1.3, stage2=1.5, stage3=1.7, stage4=1.9
2. set speed to 0 mph to test function with vehicle stopped
3. set speed back to 2 mph or less before release
4. road test to observe Telma cutoff speed.
If needed: change speed setting to desired Telma cutoff speed but do not exceed 2 mph.

CAN LD (-) red
CAN HI (+) pink
momentary switch (optional)
ground
IGN+ red/wht
speed signal tan
ABS control (-) wht
gnd blk
DO NOT CONNECT
5 4 3 2 1
gnd blk
input 4 brn/red
input 3 yel/blk
input 2 blu/red
input 1 org/blk

16 PIN DIAGNOSTIC CONNECTOR
OBD13 (J1962-TypeA connector)
view from back