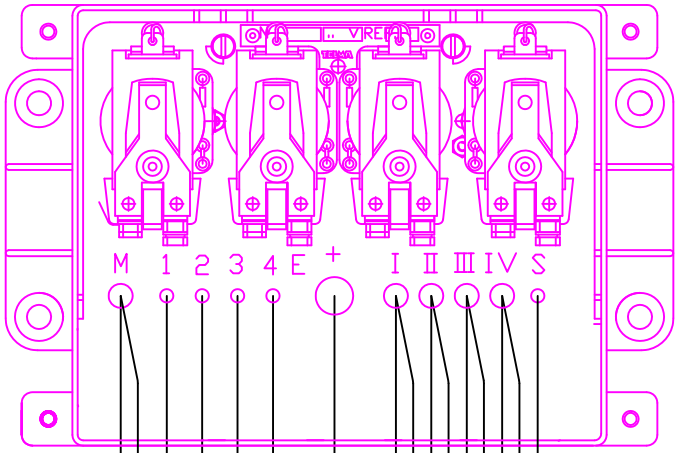
TL134057 AIR BRAKE WIRING DIAGRAM WITH TRCM AND J1939 CAN

17oct16jh

NOTE: FIRMWARE VERSION 03.02.03 & LATER REQUIRED FOR J1939.
REFER TO TL103037 FOR MORE DETAILS

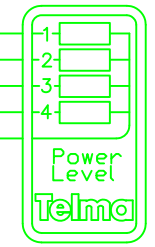
J1939 CAN control features:
TRCM active outputs turn off under the following conditions.
1) during ABS event
   (with progressive reactivation)
2) Speed below 2 mph
3) Throttle position greater than 1%
4) Cruise Control is engaged



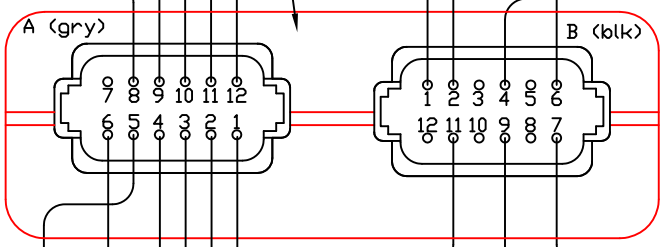
RELAY BOX
JD331121 (12V)
JD332121 (24V)

TRCM
TIG31062
12V/24V

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

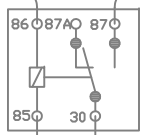


ORG
BLU
YEL
BRN
BLK
ORG/WHT
BLU/WHT
YEL/GRN
BRN/WHT



RELAY BOX GROUND
BATT.(+) RED 2/0
STAGE (1) 6 GA.
STAGE (2) 6 GA.
STAGE (3) 6 GA.
STAGE (4) 6 GA.
pur

BRAKE LIGHT RELAY (ONLY WITH HAND CONTROL)
BRAKE LIGHT SWITCH
BRAKE LIGHTS



gry
COM1 RX grn/wht
COM1 TX grn
gnd blk
ground blk
IGN+ red
C transducer grn
input 1 org/blk
input 2 blu/red
input 3 yel/blk
input 4 brn/red
gnd blk
ABS control (-) wht
speed signal tan
gnd blk
IGN+ red/wht
CAN HI (+) pnk
CAN LO (-) red

BATTERY DISCONNECT SWITCH

RET GND
GROUND
POWER
RETARDER
BATTERY

1 2 3 4

TRANSDUCER HARNESS TID11051
B A

5 4 3 2 1

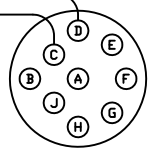
DO NOT CONNECT

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

TIG31065

(2)
(3)
(5)

grn
yel



BACK OF J1939 DIAGNOSTIC CONNECTOR

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.