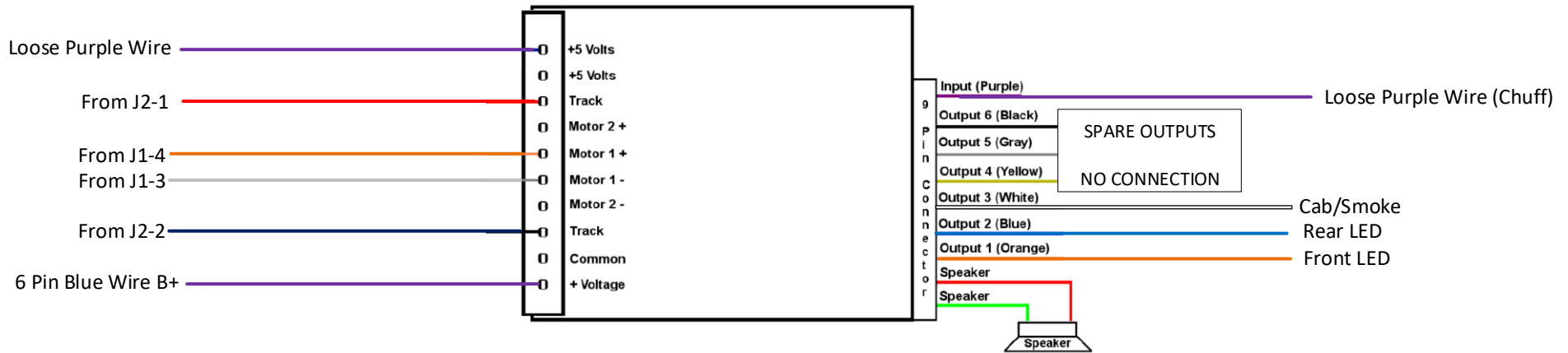


Rail Pro LM-35-G or LM-4S-G

Wiring Plan for Bachmann 55 Ton 3 Truck Shay

DC or DCC track power utilizing DCC Ready factory electronics

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- 1) Remove Red and Black wires from J2 and connect to TRACK screws on LM. This powers LM from track pick-ups. *
- 2) Remove Grey and Orange wires from J1 and connect Orange to Motor 1 + and Grey to Motor 1 – to power motors from LM.
- 3) Unplug the 6 wire cable from the circuit board and insert the optional adapter or cut off the plug, as desired.

NOTE: To maintain ability to return locomotive to factory wiring, do not cut wires from the 6 wire plug, use the CVSRy provided adapter. Insert the adapter in the 6 wire plug so the white dot aligns with the Purple wire on the 6 wire plug.

- 4) Connect Blue B+ wire from 6 pin OR Blue wire from adapter to LM +Voltage to power the factory lighting from LM.
- 5) Connect Orange wire from LM to Front LED White wire on 6 Pin or Black wire on adapter
- 6) Connect Blue wire from LM to Rear LED Yellow wire on 6 Pin or Green wire on adapter
- 7) Connect White wire from LM to Cab/Smoke Brown wire on 6 Pin or Red wire on adapter **
- 8) Connect one of the loose purple wires to LM +5V and the other purple wire to LM Purple (input) for chuff sync if desired.
- 9) Mount speaker in rear bunker. Connect Red and Green wires on LM to Purple wires on 6 Pin or White and Gray on adapter.

* Motors are controlled by the NMRA/OFF/LARGE switch behind smokebox door. Set in NMRA position to power motors.

** Smoke On/Off controlled by switch behind smoke box door. DO NOT run Smoke On. If Smoke is desired, a relay must be used to power the smoke unit directly from from track power.