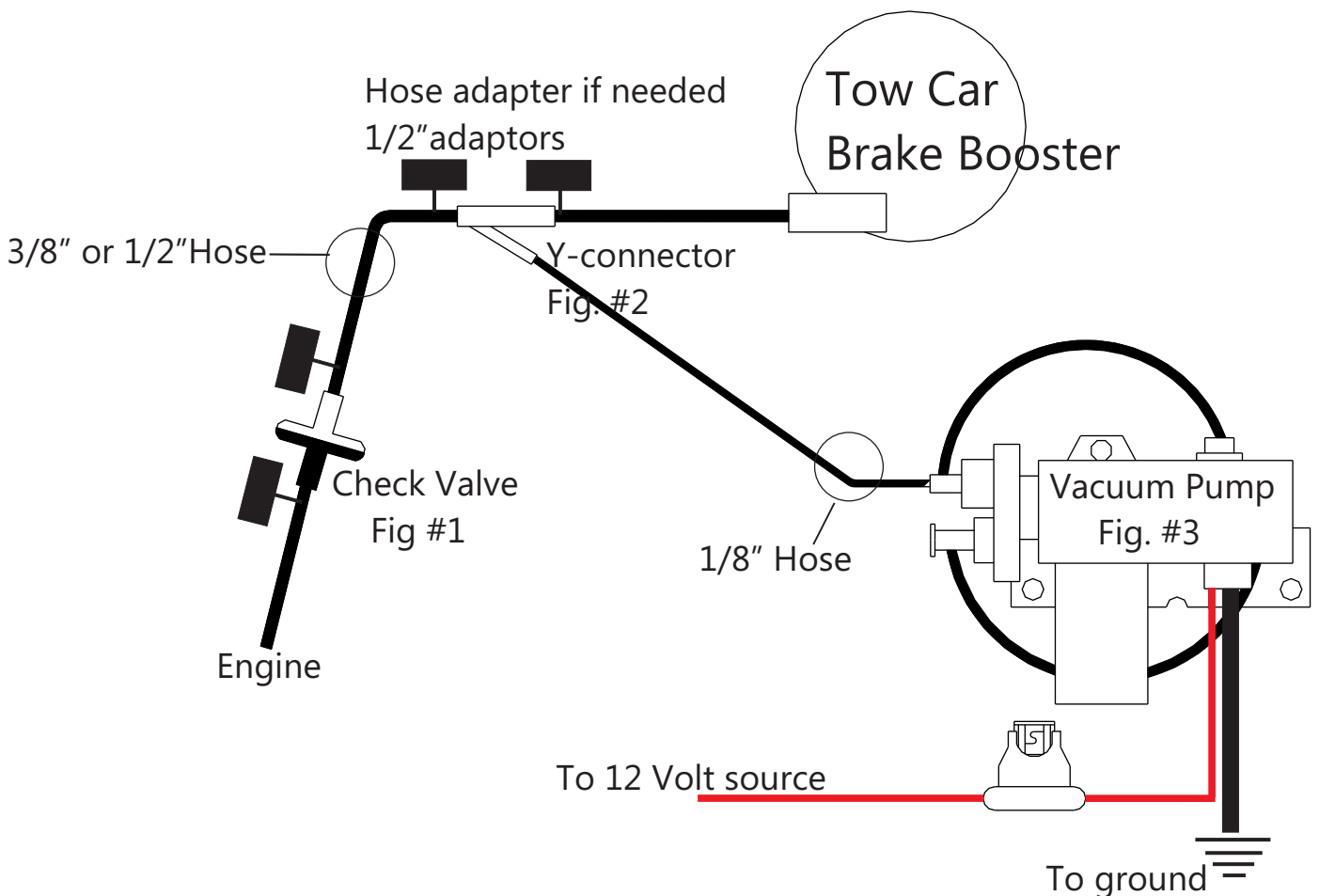
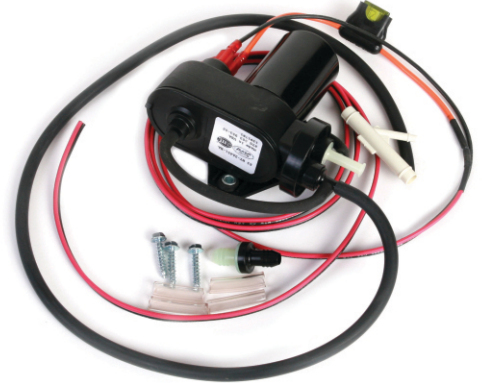




# Vacuum Pump Assist Installation Instructions

1. Mount pump with the supplied screws.
  2. Cut the 3/8" factory brake booster hose and insert the supplied check valve (Fig. #1) with black side of valve towards the engine.
  3. Cut the 3/8" factory brake booster hose again and insert the supplied Y-connector (Fig. #2) between the check valve and the brake booster.
  4. Connect 1/8" hose from vacuum pump. (Fig. #3)
  5. Next connect the red wire from pump to 12 volt source. For more information about wiring look at other side of this paper.
  6. Now connect the black wire from pump to a suitable ground (chassis of towed).
- Note: (Vacuum hoses are either 1/2" or 3/8" so we have supplied an adaptor for the Y-connector. Place the black short piece of hose on each end of the Y-connector then put the factory 1/2" hose on the outside of our black adaptor hose and use the supplied zip ties to snug it down to keep it from leaking air.)



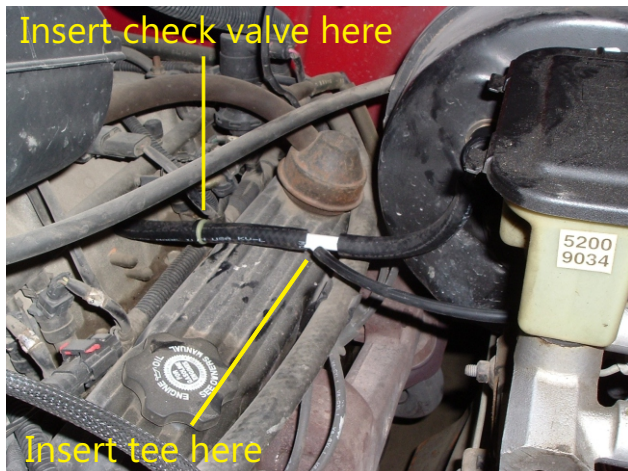
This pump activates when vacuum pressure falls below 11 psi and shuts off at 15 psi. The pump can be left on while driving vehicle with no problem. (Would actually be a back-up in case engine died)

This vacuum pump can be wired several different ways.

1. Directly connect to battery using alligator clamps (only while towing).
2. Permanently wire to a 12 volt power supply that is on when key is in start or accessory position.
3. Connect to a 12 volt power source inside the car like a cigarette lighter plug.
4. Connect to motorhome 12 volt power source. (Preferred)

Our Ready Brake supplemental brake system does not require the use of this vacuum pump to operate but using it will make the brake pedal easier to pull down which creates less tension on the cables and connections.

**Attention:** This will not work on a hydro boost system. (Gets hydraulic power from the power steering pump) Most 1 ton truck's use this system.



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