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**ColleBuilt SD-26DC1 Backup Steering Installation Instructions
2008-2010 Dodge/Chrysler 3.3L, 3.8L, 4.0L
(Revised 9/22/15)**

WARNING

Read the instruction manual provided with the products and install them following all guidelines. Follow the maintenance guidelines as instructed in the installation instructions as well as this notification form. If a back-up system is not properly installed into the modified vehicle and maintenance guidelines are not met, it could result in serious injury and/or death.

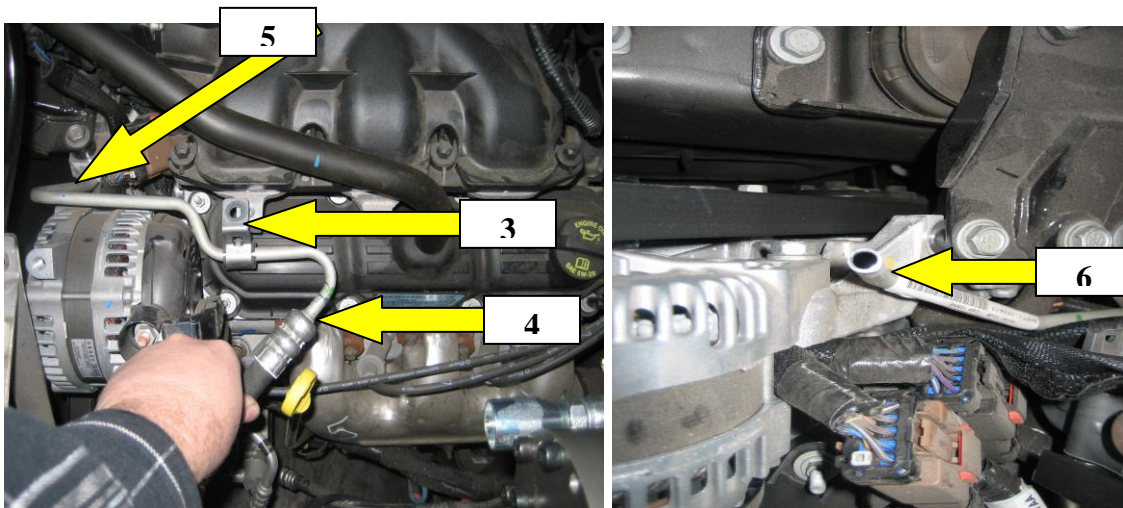
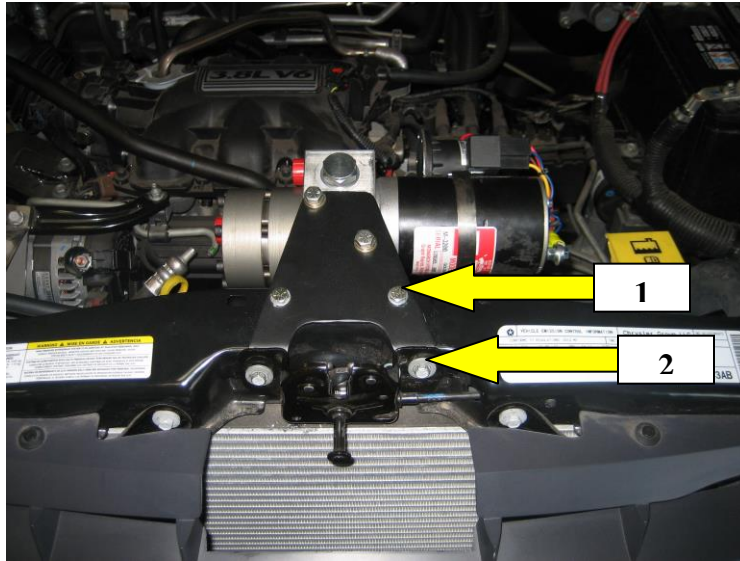
INSTALLATION GUIDELINES

1. Failure to follow these guidelines will deem all applicable warranties null and void.
2. Failure to follow these guidelines may result in system failure which could result in serious injury and/or death.
3. All parts and/or components of the backup system must be installed in the locations designated herein these instructions. If a location is not designated than the parts or components must be installed and/or protected in such a way as to not be exposed to excessive heat, vibration, sharp edges, moving parts, or weather.
4. All electrical components including but not limited circuit breakers, relays, and switches must be installed inside the passenger compartment unless otherwise dictated herein these instructions.

PREPARING FOR INSTALLATION

1. Read the instructions thoroughly before installation. Make sure all parts are with the shipment.
2. Disconnect the battery.
3. Drain the power steering fluid from the system.

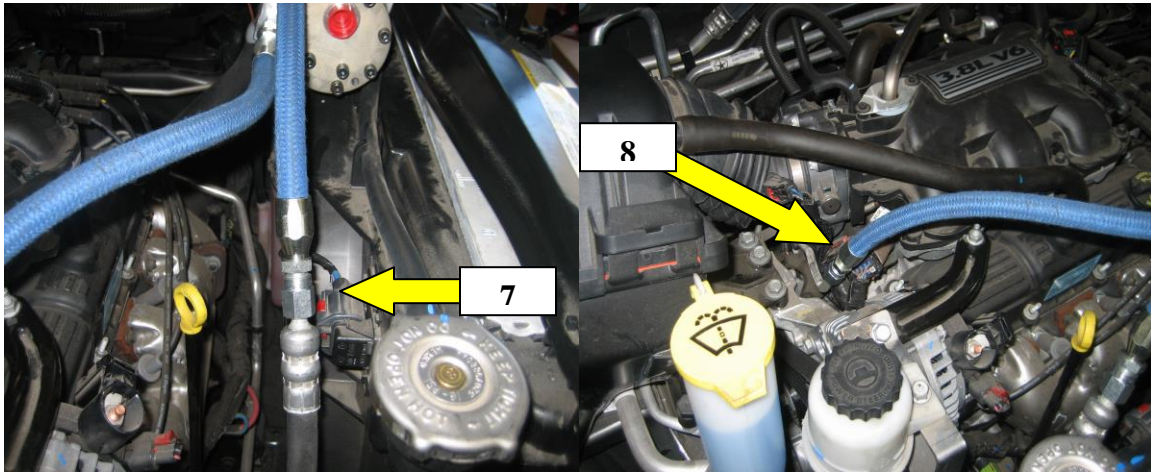
MOUNTING THE PUMP



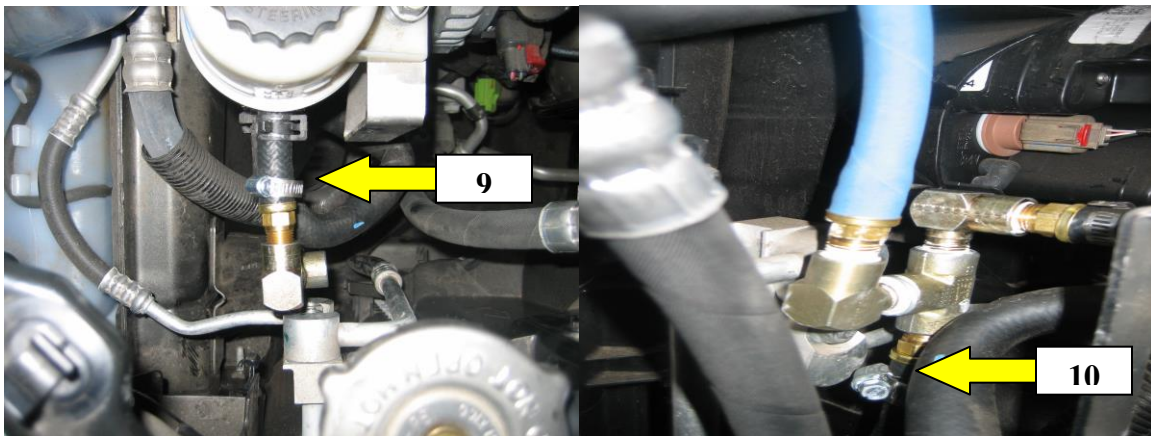
*****BEFORE CUTTING ANY FACTORY HOSES VERIFY HOSE LENGTH BY LINING UP OUR HOSES WITH WHERE YOU ARE GOING TO CUT FACTORY LINES**

(3) Remove bolt holding power steering line just to the right of the alternator.

(4) Using tubing cutter cut the hard line as close to bend as possible. (5-6) Just to the rear of alternator mounting bracket cut the other end of the hard line as close to the bend as possible. Discard the section of tubing.



Using the included instructions for the compression fittings, install the two hoses from the back-up to the factory lines, (7) the short 8" hose attached to the "P" fitting on the back-up pump to section of hose from the factory power steering pump. (8) Attach the 19" hose attached to the "C" fitting on the back-up pump to the section of line by the alternator going to the rack and pinion. **(FAILURE TO FOLLOW THE INSTRUCTIONS CAN CAUSE DAMAGE TO THE RACK AND PINION AND FACTORY POWER STEERING PUMP.)**



(9) Cut the return 1 1/2 inches from the reservoir (be careful not to break the fitting off of the reservoir) install the 13" return line manifold as shown above, (10) cut the lower section of the factory line from the rack and install to lower fitting on manifold. **Install hose clamps on all black low pressure factory hoses.**

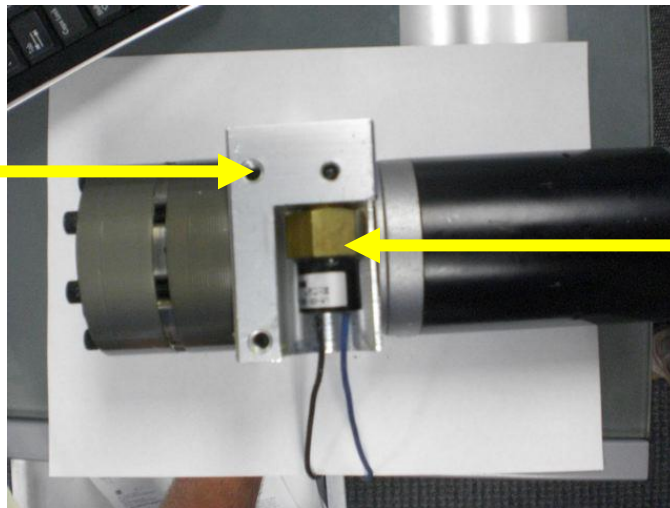
10) WHEN ADDING FLUID BACK TO THE STEERING SYSTEM, USE THE FACTORY POWER STEERING FLUID RECOMMENDED BY THE VEHICLE MANUFACTURER.

WARNING

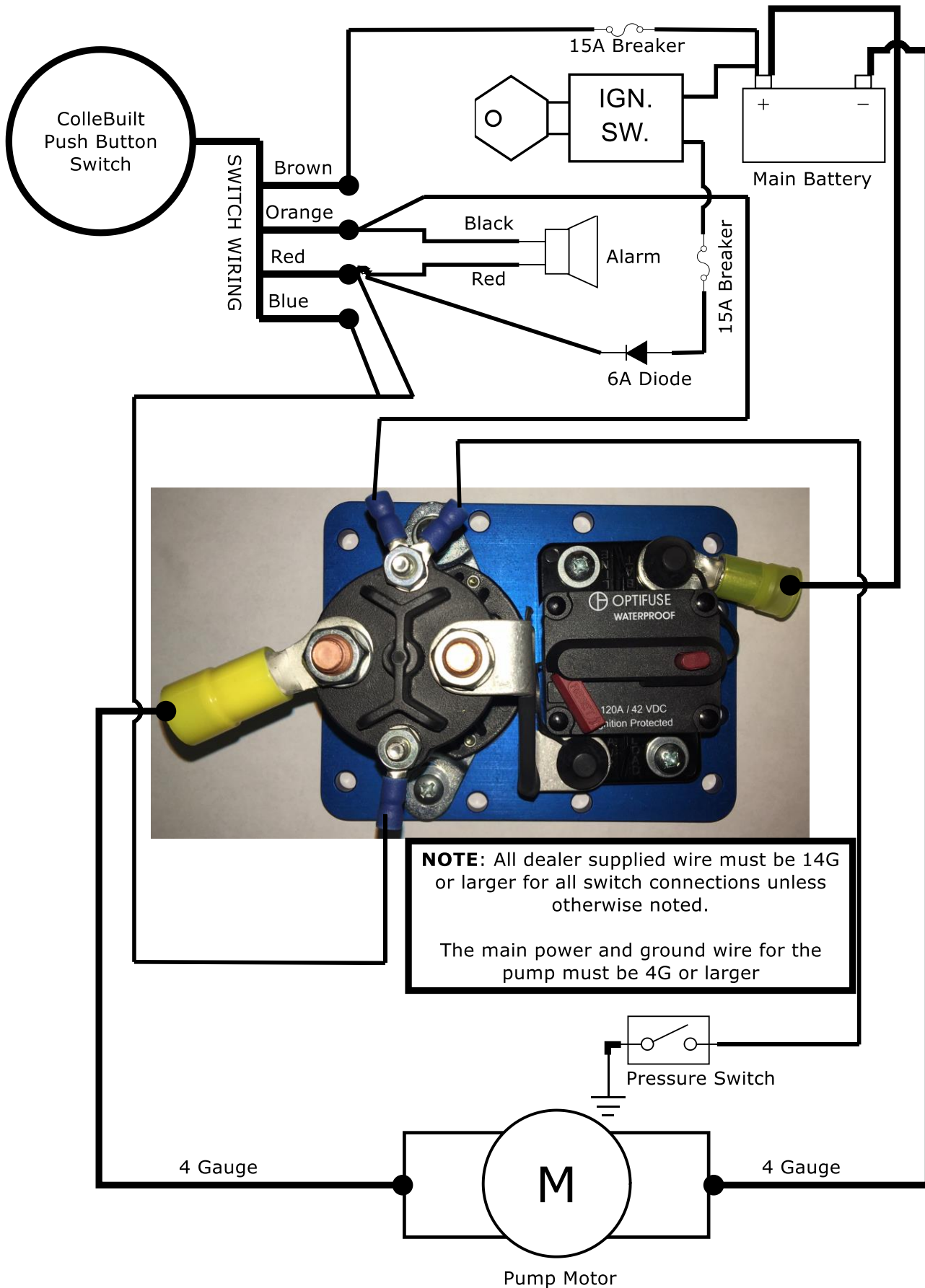
The ignition hot source used for any ColleBuilt System **MUST** be a true key activated power source. Many vehicles produced today have a delayed ignition source that allows certain items to remain powered after the vehicle has been turned off unless the driver's door is opened. This delayed ignition source is **NOT** to be used when wiring any ColleBuilt System and a different source **MUST** be used. If the vehicle you are installing the system in is a conversion vehicle equipped with an aftermarket fuse panel or power source(s) and you plan on using their provided power source(s) please **TEST** the ignition source and confirm it does not act on a delay. Some vehicles such as the Dodge Grand Caravan allow this feature to be turned off through the driver information center. This is **NOT** an acceptable solution to remedy the delay as the customer has the potential ability to turn this feature back on.

COLLEBUILT BACKUP STEERING STANDARD WIRING DIAGRAM

CONNECT 4 GAUGE WIRE DIRECTLY FROM BATTERY NEGATIVE TO ALUMINUM HOUSING.



PRESSURE SWITCH
CONNECT ONE BLACK WIRE TO SOLENOID AS SHOWN ABOVE, AND THE OTHER BLACK WIRE TO GROUND.



ColleBuilt
Push Button
Switch

SWITCH WIRING

Brown
Orange
Red
Blue

15A Breaker

IGN.
SW.

Main Battery

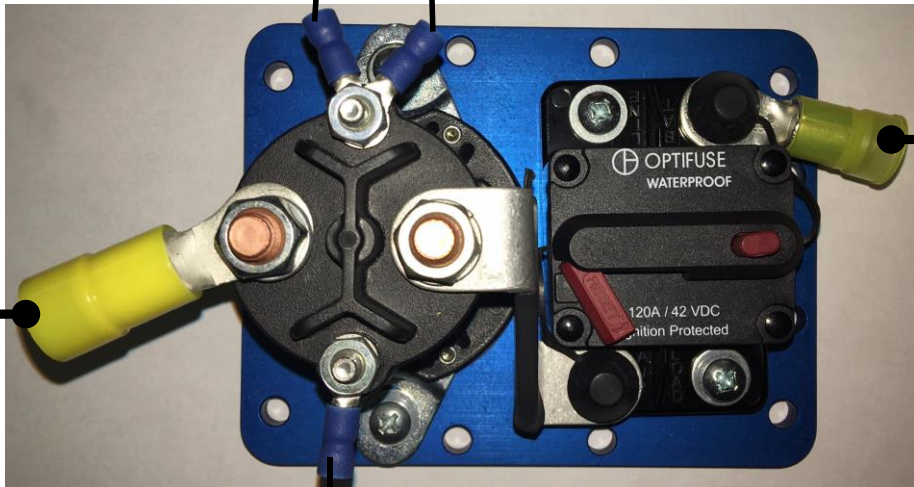
Black

Red

Alarm

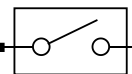
15A Breaker

6A Diode



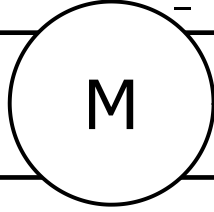
NOTE: All dealer supplied wire must be 14G or larger for all switch connections unless otherwise noted.

The main power and ground wire for the pump must be 4G or larger



Pressure Switch

4 Gauge



Pump Motor

4 Gauge

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User Instructions

User Guide for Automatic Steering Backup

Thank you for purchasing a ColleBuilt automatic backup steering system. This unit is designed to take over for the factory power steering pump in the event of a power steering failure, so that you may make your way off the road to safety with the same amount of steering force during normal running conditions. This unit is for emergencies only and should not be used continuously. Doing so may cause damage to the backup pump and other parts of both the backup and factory system. This manual is to inform the end user how to use the system correctly, how to test the system to ensure proper operation, and to make them aware of the service intervals.

SYSTEM TEST PROCEDURE

To test the system; turn the key to the on position but do not start the car. At this point the system should turn on and you should see the LED visual warning displayed on the dash as well as hear the audible buzzer hidden behind the dash. This is to let you know that the system is active. Turn the wheel left to right and ensure that the force needed to turn the wheel is equal to that of the car running. You should also be able to hear the under hood mounted backup pump that's running at the same time. Start the car and the audible and visual warning should go away as well as the sound of the backup pump running. If the vehicle does not behave as indicated, please contact the closest or installing dealer.

SERVICE

In order to maintain the system we recommend a service interval of 4-6 months. Heavy users (driving over 8,000 miles annually) should have their system serviced every 4 months. Light users (driving under 8,000 miles annually) should have their system serviced closer to the 6 month interval. It is advised that you have at the minimum one service annually. It is advised that you take the vehicle to the installing dealer to perform any service or required maintenance. During the systems service the following should be thoroughly inspected:

- Fluid level and Condition
- Hose condition
- Condition of any electrical connections as well as the wiring
- A general inspection for leaks around the pump unit and any hydraulic connections
- Check system operation
- Cleaning and service of Fluid Filter.

EMERGENCY OPERATION

In the event of a factory power steering system failure, the automatic backup system will automatically take over allowing you to steer the car with the same amount of force as the factory system. When the backup system takes over it will sound the audible alarm as well as light the LED mounted on the dash. If the system comes on during normal operation you are to make your way to the side of the road as quickly and safely as possible. Once to a safe location turn the vehicle off and contact the installing dealer for further assistance. Keep in mind that the backup system is to be used for emergencies only and is not for continuous or long term use.

If you have any questions or concerns about operation, service, or you are interested in other ColleBuilt Systems, please contact your local dealer.