



PALADIN LIGHT CONSTRUCTION

# INSTALLATION INSTRUCTIONS

FOR



# BRADCO

**AUXILIARY HYDRAULIC DIVERTER  
VALVE KIT #109052**

**FOR  
COMPACT TRACTORS**

INSTRUCTIONS NUMBER: 76308

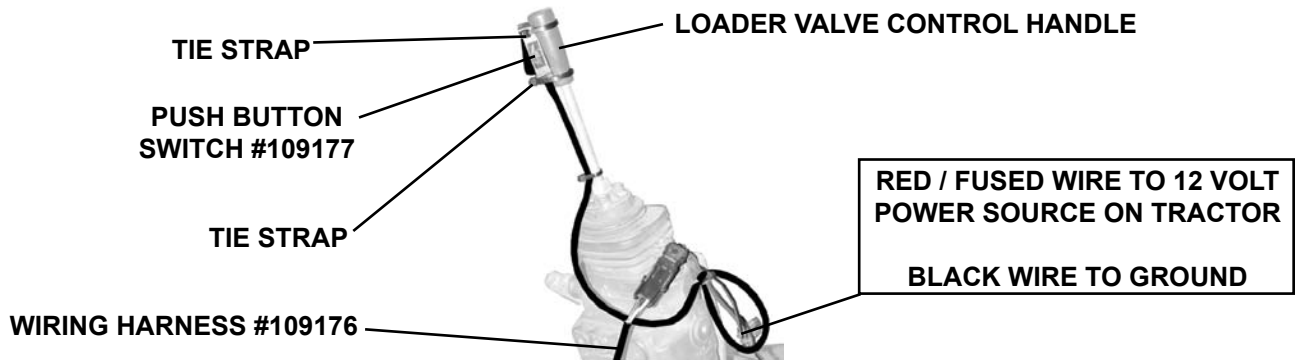
# INSTALLATION INSTRUCTIONS

## GENERAL INFORMATION

Due to the many different compact loaders available that the Bradco Auxiliary Hydraulic Diverter Valve Kit can be mounted on, your judgement in locating, mounting and wiring will be necessary to get a proper fit-up for your specific loader. Bradco does not supply additional parts to adapt to the various loaders and does not assume liability for improper mounting and wiring.

## INSTALLATION

1. Lower the loader to the ground, level bucket and shut off the engine. Relieve hydraulic pressure by activating control levers several times.
2. Install the push button switch to the loader valve control handle using two tie straps.



3. Route the red fused wire on the switch to a 12 volt source on the tractor. We recommend connecting to the ignition switch or the tractor battery for a positive feed. Connect the black wire to a proper ground on the tractor.

**WARNING!** When working around batteries, remember that all of the exposed metal parts are “live”. Never lay a metal object across the terminals, because a spark or short circuit may result.

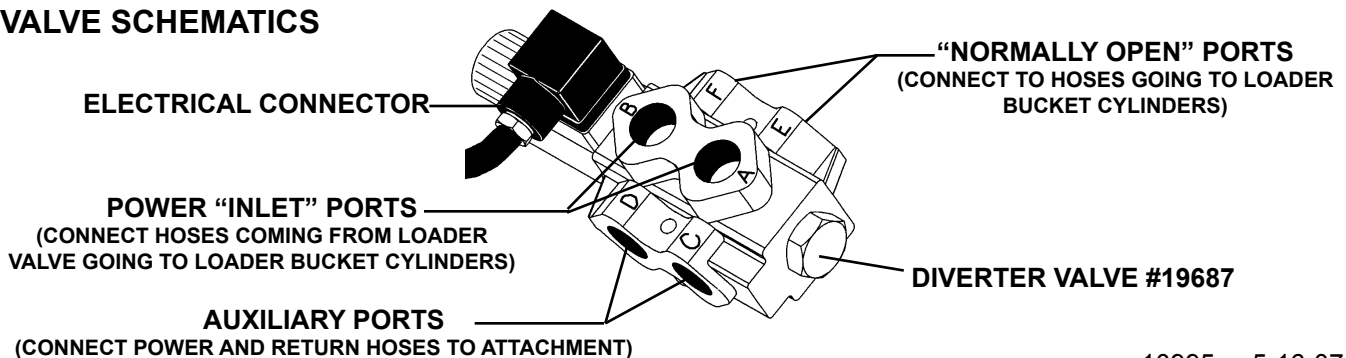


**DANGER!** BATTERY ACID CAUSES SEVERE BURNS. Batteries contain sulfuric acid. Avoid contact with skin, eyes, or clothing.



Antidote: EXTERNAL - flush with water. INTERNAL - drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Call physician immediately. EYES - flush with water for 15 minutes and get prompt medical attention.

## VALVE SCHEMATICS



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**NOTE:** When determining the location for mounting the diverter valve, an understanding of how it will be hooked up is necessary. Read the following instructions before deciding on a location.

**INSTALLATION TIP:** To verify valve ports all that is required is an air hose. Place the valve on a clean surface and remove plugs. Blow air into an INLET port (“A” or “B”) and see which side the air naturally exits. This is your normally open port. Once the valve has been hooked up to the electrical wiring and switch, when the switch is activated the air should exit from the auxiliary or attachment ports.

4. After a location has been determined, secure the diverter valve to the loader arm. Two suggestions may be on the loader arm between the loader control valve and the loader’s hydraulic tubes or on the front horizontal bar on the loader, next to the right loader arm .
5. Once the valve is securely mounted to the loader arm, connect the 12’ wiring harness to the diverter valve and route to the wiring harness on the switch. Secure wiring to prevent pinching and tangling of the line.

**NOTE:** If valve is mounted to the horizontal bar on the loader, secure the wiring to the hydraulic tubes or hoses going up the right loader arm. If the diverter valve is mounted by the control valve the wiring harness on the switch may attach directly to the diverter valve and eliminate the need for the 12’ wiring harness.

6. Disconnect the bucket cylinder hoses from the hydraulic tubes or hoses on the right side of the loader arms and install into the power “inlet” ports of the diverter valve using adapter fittings or extension hoses.

**NOTICE:** The diverter valve has #8 o’ring ports.  
All hoses must be purchased from you dealer and rated for the maximum hydraulic pressure of your loaders hydraulic system.

7. Install extension hoses into the “normally open” ports of the diverter valve and route to the loader bucket cylinder hydraulic tubes or hoses. This will complete the hydraulic system going to the loader bucket cylinders.
8. Secure hoses to tractor to prevent pinching and chafing.
9. Connect hoses going to your attachment into the remaining ports of the diverter valve.

**INSTALLATION TIP:** Installing hydraulic quick couplers to the attachment ports of the diverter valve or routing two hoses down the loader arm and installing quick couplers will assist in the installation and removal of attachments.

**NOTICE:** When installing attachment hoses be sure hoses are long enough to accommodate for complete rollout of the attachment.