



## Polaris XP900

**Plow Mount Kit p/n: 1PUTPMK**

**for use with the following kits:**

**p/n: 1UTVP (fully assembled plow)**

**p/n: 1UTVP-1 (unassembled plow)**

**p/n: 1UTVPW (unassembled winch lift plow)**

**(fits model years 2013 and newer)**

**Note: Front Heavy Duty Springs or Heavy Duty Spring Damper Assembly are required if plow is installed.**

**Approximate Installation Time: 45 Minutes**



### **! WARNING**

Do not attempt to install or operate this plow until you read and understand all warnings and instructions in this manual or on the plow. Failure to read all warnings and instructions could lead to serious injury or death.



### **NOTICE**

Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product brochures. Deduct the accessory's total weight from the vehicle's rated capacity and never exceed the vehicle's rated capacity including driver and passenger.

## **SAFETY INFORMATION:**

**⚠ WARNING:** Cabs, blades, and general accessories add additional weight to the base vehicle. Deduct the accessory's total weight from the vehicle's rated capacity including driver and passenger. Never operate the vehicle outside of its rated weight capacity.

**⚠ WARNING: Serious injury or death:**

- Never stand or ride on the plow assembly.
- Never operate the plow near pets or other people.
- Never leave the vehicle running unattended with plow attached.
- Never plow or carry plow at high speeds.
- Never clean or perform maintenance with plow raised.
- Never clean or service with plow in tripped condition.
- Never dislodge an obstruction with any part of the body.
- Warning - This attachment affects the handling performance.
- Warning - Before starting installation, park vehicle in a flat area, ensure parking brake is engaged, and engine is turned off.

### **HELPFUL REMINDERS:**

- A. Check carton contents prior to beginning installation.
- B. Work in an organized area large enough to fit vehicle and plow.
- C. Have the required tools ready to speed up the installation time.
- D. Have a helper available to help move heavy parts and assemblies.

**The Installation should be done by “qualified personnel”.**

### **MAINTENANCE NOTES:**

- **Check and tighten all fasteners in the plow assembly and vehicle mounting after initial use and every 5 hours of use thereafter.**
- **After every 10 hours of use, lubricate all pivot bolts, pins, snap lock latches, and any other moving parts in the plow assembly with all-season grease.**

### **Tools Required:**

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Set of standard and metric sockets  
Set of standard and metric open end wrenches  
One 3/8" Drive Ratchet  
Pliers  
File or Burr Removal Device  
Torque Wrench  
A drill and a 9/32" drill bit

## 1. PRELIMINARY:

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*If using a Utility Vehicle Plow Winch Lift (p/n IUTVPW), proceed to step 2.*

- 1.1 **Warning:** Disconnect the battery. Disconnect the negative battery terminal first then the positive terminal second.

## 2. MOUNTING FRAME:

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- 2.1 Remove the (2) existing fasteners from vehicle Front Bumper on the bottom side of the Bumper.
- 2.2 Align holes in Mounting Bracket Assembly with holes in vehicle Front Bumper. Using existing fasteners removed from step 2.1, attach Mounting Bracket Assembly to Front Bumper. Fasteners should be finger tight.
- 2.3 Using 3/8-16 Hex Head Cap Screws and Locknuts, attach Mounting Bracket Assembly to Front Bumper on bottom side of Front Bumper. Fasteners should be finger tight.

NOTE: If installing on a vehicle with an OEM Polaris winch, continue on to Step 2.4. If installing on a vehicle without an OEM Polaris winch, skip to Step 2.7.

- 2.4 Remove the lower driver's side bolt from OEM Polaris winch.
- 2.5 Align Driver's Side Mount Bracket with square holes in vehicle frame and bottom mounting hole of OEM Polaris winch.
- 2.6 Place Mount Bracket Support Plate between Driver's Side Mount Bracket, only one hole of the Mount Bracket Support Plate will be aligned. Skip to Step 2.8
- 2.7 Align Driver's side Mount Bracket Support Plate and Driver's Side Mount Bracket with square holes on vehicle frame.
- 2.8 Attach Driver's Side Mount Bracket and Driver's Side Mount Bracket Support Plate to vehicle using 3/8-16 bolts and nuts. Fasteners should be finger tight.
- 2.9 Using 3/8-16 bolts and nuts, attach Mounting Bracket Assembly and Driver's Side Mount Bracket to Front Bumper on the front side of the Front Bumper. Fasteners should be finger tight.
- 2.10 Repeat previous steps for Passenger's Side Mount Bracket.

### 3. CONTROL SWITCH & WIRING:

#### For Utility Vehicle Plow with Self-Contained Hydraulics (p/n's 1UTVP and/or 1UTVP-1)

*If using a Utility Vehicle Plow Winch Lift (p/n 1UTVPW), installation is complete. Disregard this section.*

- 3.1 See Fig 3.1. From the front of the vehicle, route the 10 ga. Black and Red ring terminal wires, the 16 ga. Black male bullet connector and the 16 ga. Brown ring terminal part of the wiring harness under the vehicle along the frame and back to the battery compartment.
- 3.2 Position the Solenoid near the battery and attach to vehicle frame and drill a 9/32" hole. Slide the 10 ga. Black ground wire ring terminal from the battery wire harness and the main wire harness over the 1/4-20x1" long hex head cap screw and fasten Solenoid and wires to chassis with 1/4-20x1" long hex head cap screw noted above and 1/4-20 hex nut.
- IMPORTANT NOTE:** The 10 ga. black ground wire must have good electrical contact with the vehicle chassis.
- 3.3 Route the Red 10 ga. wire from the Main wire harness to the post on the solenoid as shown in Fig 3.1. Attach the Red 10 ga. wire from the rear battery wiring harness to the opposite post on the solenoid.
- 3.4 Attach the ring terminal end of the 16 ga. Brown wire onto the smaller stud at the base of the solenoid and tighten with nut supplied.
- 3.5 Route the male bullet terminal end of the 16 ga. black wire to the vehicle wiring harness (This should be a key-controlled connection).
- 3.6 Route the 7-pin Controller plug just under the dash on the driver's side and cable tie to cross tube under the dash for easy access (NOTE: make sure wires do not interfere with operation of pedals).
- 3.7 Route the 7-pin connector of the wiring harnesses up front and to the passenger's side of the vehicle. Routing it down behind the grill and exiting below it on the passenger's side securing it to the front brush guard with (2)1-1/2" p clamps to the bracket on the 7-pin connector with #10 screws and nuts provided in wire harness kit. Coat inside of the 7-pin connector pins with dielectric grease.
- 3.8 Check the routing of both the front and rear wiring harnesses to be sure they are away from heat sources and moving parts. Secure harnesses in place using cable ties. Close the vehicle hood.
- 3.9 Plug the controller into the 7-pin connector under the dash. Keep the switch turned to the off position until you are ready to use the plow. Turn the controller on with switch on top of unit before use.

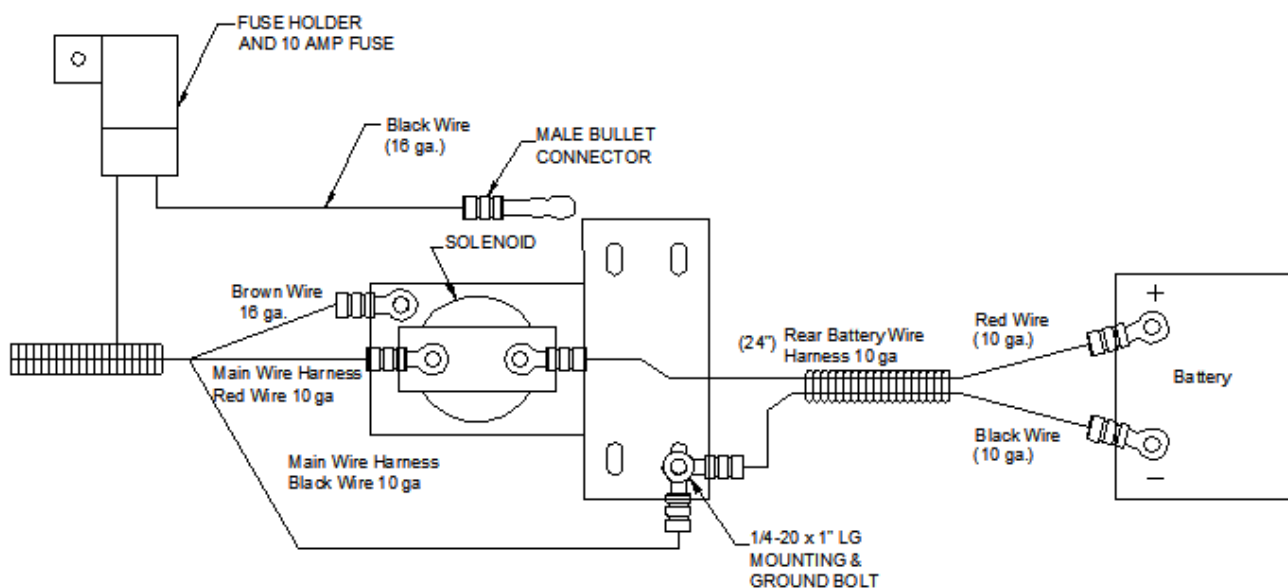
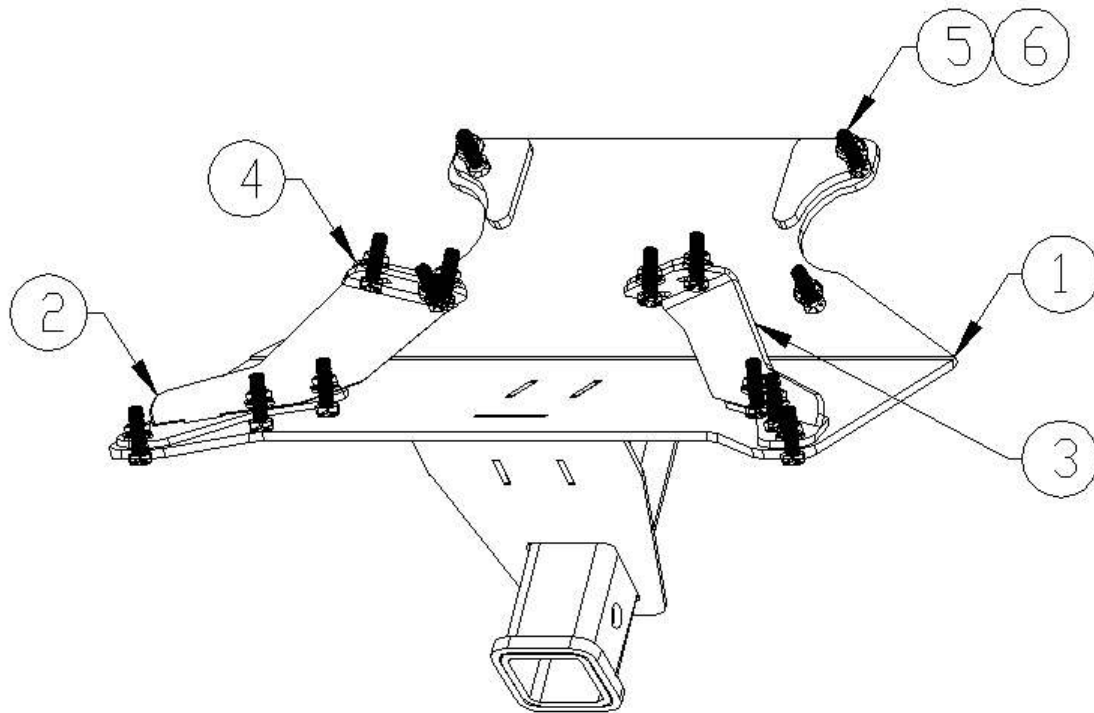


Fig 3.1

## Polaris XP900 Mount Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	WA-UTVPPK	WELDMENT UNIVERSAL PLOW POLARIS MOINT KIT	1
2	WA-UTVPMBRH	WELDMENT MOUNT BRACKET RH	1
3	WA-UTVPMBLH	WELDMENT MOUNT BRACKET LH	1
4	SM-UTVPBMB	BRACKET MOUNT PLATE	2

### HARDWARE INCLUDED IN UTVLDMKP-HWK

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	70-05-0098	3/8-16 X 1 1/4" HEX FLANGE BOLT GR 5 ZB	12
6	72-21-0010	3/8-16 HEX FLANGE LOCKNUT ZB	12