

33903

MOUNT KIT PERSONAL PLOW

Dodge Dakota	2005 -	___
Dodge Durango	2004 -	___

Installation Instructions

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your sales outlet for application recommendations. The Kit Selection Guide/ Selection List has specific vehicle and snowplow requirements.

SAFETY DEFINITIONS

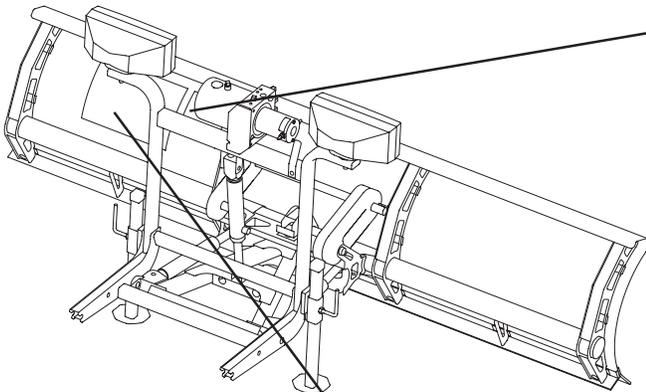
⚠ WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

⚠ CAUTION

Indicates a situation that, if not avoided, could result in damage to product or property.

NOTE: Identifies tips, helpful hints, and maintenance information the owner/operator should know.



WARNING/CAUTION AND INSTRUCTION LABELS

Become familiar with and inform users about the warning label and instruction label on the back of the blade.

Warning and Caution Label

⚠ WARNING

LOWER BLADE WHEN VEHICLE IS PARKED.

REMOVE BLADE ASSEMBLY BEFORE PLACING VEHICLE ON HOIST.

DO NOT EXCEED GVWR OR GAWR INCLUDING BLADE AND BALLAST.

⚠ CAUTION

READ *OWNER'S MANUAL* BEFORE OPERATING OR SERVICING SNOWPLOW.

TRANSPORT SPEED SHOULD NOT EXCEED 45 MPH. REDUCE SPEED UNDER ADVERSE TRAVEL CONDITIONS.

PLOWING SPEED SHOULD NOT EXCEED 10 MPH.

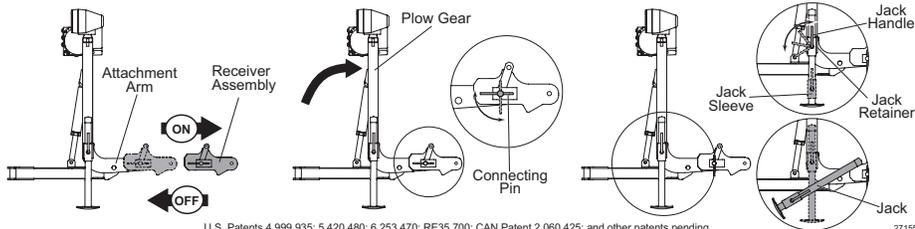
SEE YOUR SALES OUTLET FOR APPLICATION RECOMMENDATIONS.

Instruction Label

This snowplow is for personal/homeowner use only.

ATTACH INSTRUCTIONS

1. Make certain both **connecting pins** are fully retracted.
2. Drive vehicle slowly to completely insert **attachment arms** into **receiver assembly slots**.
3. Twist both **connecting pins** to release spring tension, then push **plow gear** toward vehicle so **connecting pins** fully engage holes in **attachment arms**.
4. Loosen one **jack handle** and slide **jack sleeve** down below **jack retainer**. Remove **jack** and retighten **jack handle**. Repeat for other **jack** and store them.
5. Connect all electrical cables from vehicle to snowplow.



U.S. Patents 4,999,935; 5,420,480; 6,253,470; RE35,700; CAN Patent 2,060,425; and other patents pending.

5. Back vehicle away from snowplow.
6. See Owner's Manual for proper snowplow storage.
3. While pushing **plow gear** toward vehicle to release **connecting pin** tension, pull **connecting pin** out on one side and twist pin handle to keep pin retracted. Repeat procedure for other **connecting pin**.
4. Disconnect all electrical cables.
1. Put blade on ground using **LOWER/FLOAT** on snowplow control. Leave control **ON** and in **FLOAT**.
2. Attach jacks. Loosen **jack handle**, put **jack** on ground, and raise **jack sleeve** until fully engaging **jack retainer**. Tighten **jack handle**. Repeat for other **jack**.

DETACH INSTRUCTIONS

Read *Owner's Manual* for Complete Instructions

SAFETY PRECAUTIONS

Improper installation and operation could cause personal injury and/or equipment and property damage. Read and understand labels and the *Owner's Manual* before installing, operating, or making adjustments.

⚠ WARNING

Lower blade when vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this can result in serious personal injury.

⚠ WARNING

Remove blade assembly before placing vehicle on hoist.

⚠ WARNING

The driver shall keep bystanders clear of the blade when it is being raised, lowered, or angled. Do not stand between the vehicle and the blade or within 8 feet of a moving blade. A moving or falling blade could cause personal injury.

⚠ WARNING

Keep hands and feet clear of the blade and A-frame when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury.

⚠ WARNING

Do not exceed GVWR or GAWR including blade and ballast. The rating label is found on driver-side vehicle door cornerpost.

⚠ CAUTION

Refer to the Kit Selection Guide/Selection List for minimum vehicle recommendations and ballast requirements.

⚠ CAUTION

To prevent accidental movement of the blade, always turn the ON/OFF switch to OFF whenever the snowplow is not in use. The control indicator light will turn off.

PERSONAL SAFETY

- Wear only snug-fitting clothing while working on your vehicle or snowplow.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt, and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses, and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

FIRE AND EXPLOSION

⚠ WARNING

Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on a vehicle. Keep all open flames away from gasoline tanks and lines. Wipe up any spilled gasoline immediately.

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

VENTILATION

⚠ WARNING

Vehicle exhaust contains deadly carbon monoxide (CO) gas. Breathing this gas, even in low concentrations, could cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

TORQUE CHART

⚠ CAUTION

Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow including wearing proper personal protective safety equipment.

Recommended Fastener Torque Chart (Ft.-Lb.)			
Size	 SAE Grade 2	 SAE Grade 5	 SAE Grade 8
1/4-20	6	9	13
5/16-18	11	18	28
3/8-16	19	31	46
3/8-24	24	46	68
7/16-14	30	50	75
1/2-13	45	75	115
9/16-12	66	110	165
5/8-11	93	150	225
3/4-10	150	250	370
7/8-9	150	378	591
1-8	220	583	893
Metric Grade 8.8 (Ft.-Lb.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
M 8	17	M 14	95
M 10	35	M 16	155
These torque values apply to fasteners except those noted in the instruction.			

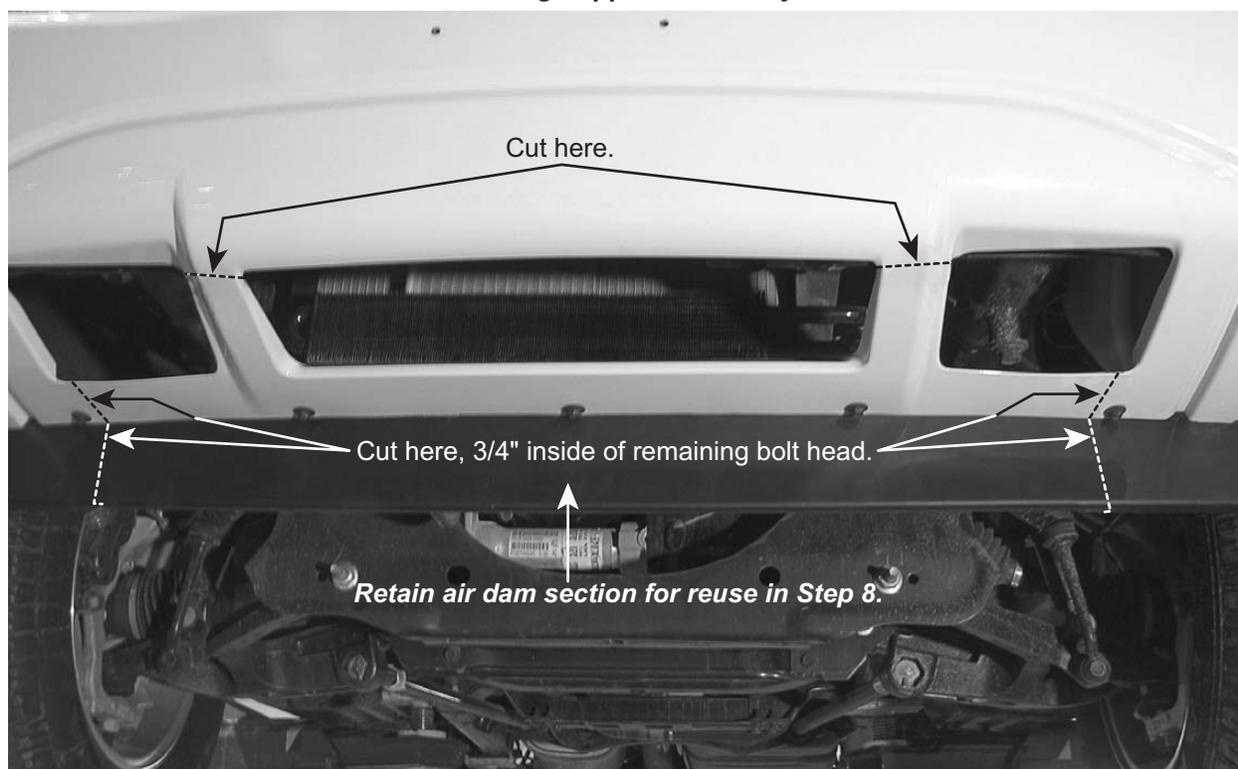
INSTALLATION INSTRUCTIONS

1. *For the Dakota:* Remove bumper, retaining all OEM fasteners for reinstallation.

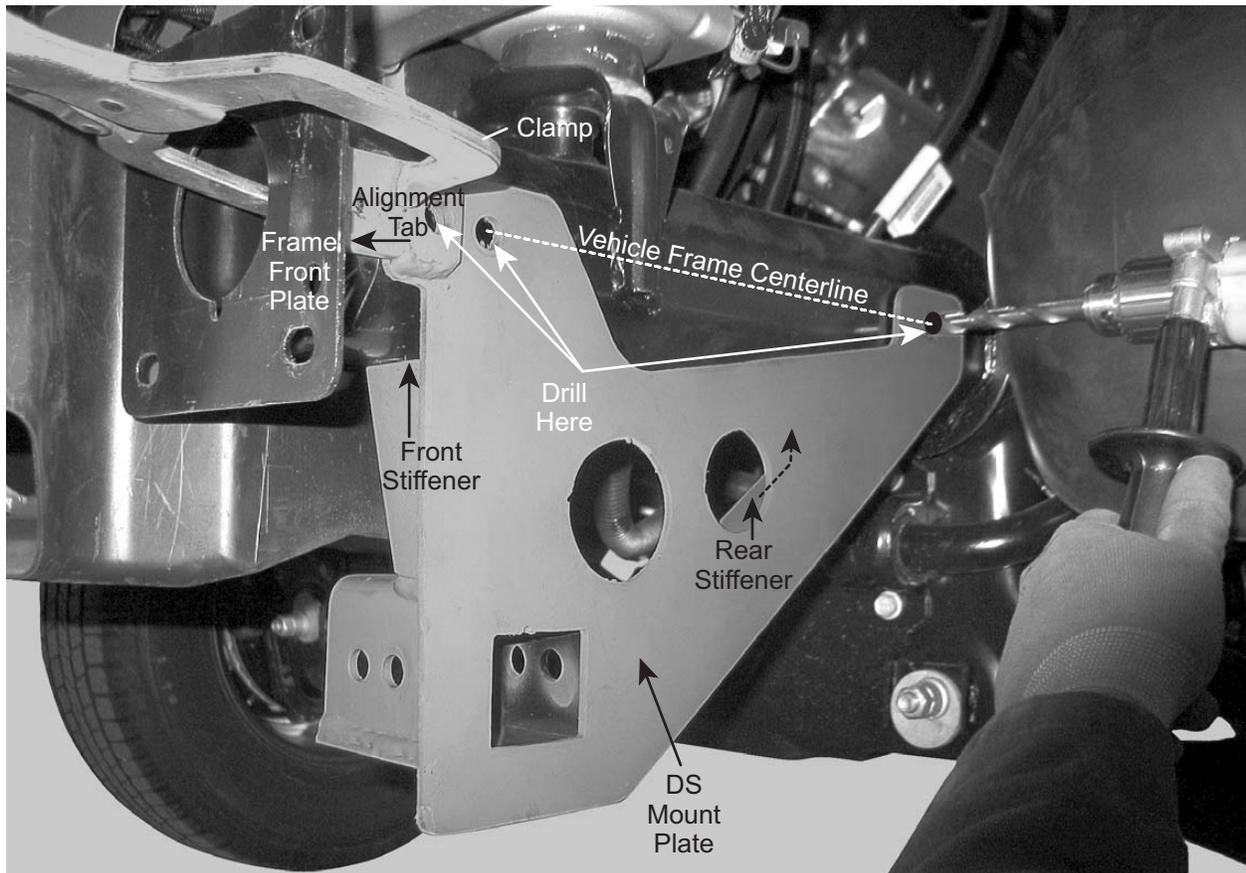
Proceed to Step 2.

For the Durango: Prior to removing the bumper, cut and remove the center portion of the bumper and air dam as shown in the photo below. *Retain the cut out section of the air dam to fabricate an air deflector in Step 8.* Remove the remaining bumper assembly, retaining all OEM fasteners for reinstallation.

Durango Applications Only



2. Clamp the driver-side mount plate to the outside of the driver-side vehicle frame. Make sure the mount alignment tab fits up against the back of the vehicle frame front plate, and the front and rear plate stiffeners are snug against the bottom of the frame. When positioned correctly, mount plate holes align near the center of the vehicle frame.
3. Drill three 17/32" holes in the vehicle frame using holes in mount plate as a guide. When finished, unclamp and remove mount plate.
4. Repeat Steps 2 and 3 for the passenger side.

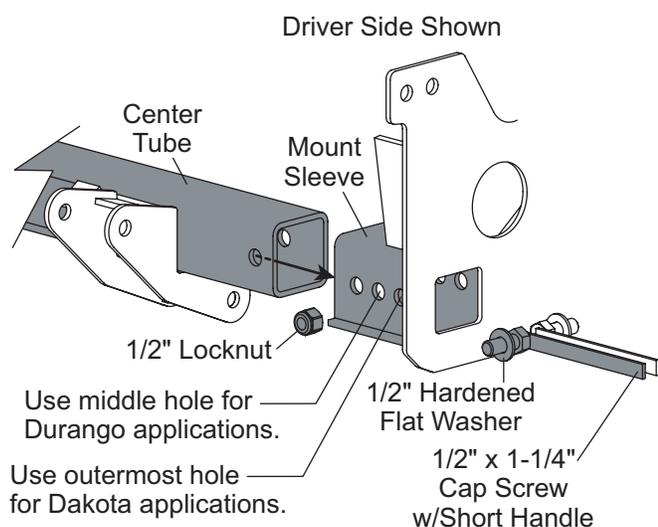


5. Preassemble the center tube assembly to each mount plate by inserting the appropriate end of the center tube into the sleeve on the bottom of each mount plate. (See illustration below.)

For the Dakota (narrow version): Place a 1/2" hardened flat washer on one of the hex cap screws with short handles and insert through the hole in the front of the center tube and the *outer* hole in the front of the mount plate sleeve.

For the Durango (wide version): Place a 1/2" hardened flat washer on one of the hex cap screws with short handles and insert through the hole in the front of the center tube and the *middle* hole in the front of the mount plate sleeve.

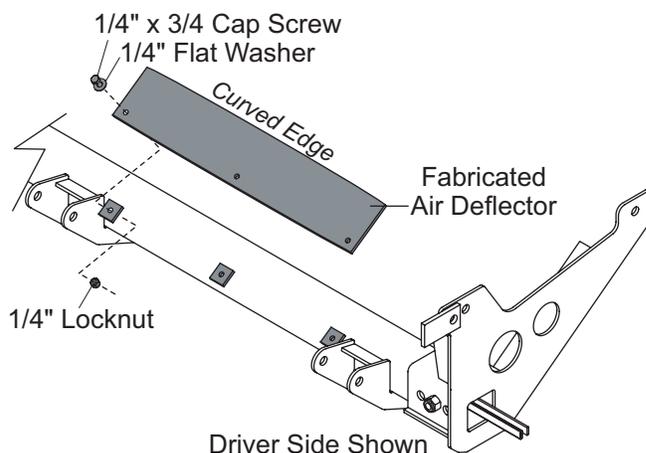
6. Install 1/2" locknut and tighten enough to hold the assembly together.



7. Repeat Steps 5 and 6 for the other side.

For Dakota applications proceed to Step 9.

8. *For the Durango Only:* Cut an 18-3/8" length from the center portion of the air dam retained in Step 1. With the curved edge up, use the 3 tabs on the front of the center tube assembly as a guide to drill 3 holes in the plastic. Attach the fabricated air deflector to the center tube as shown. Hardware is included in mount kit bolt bag.



9. On each side of the mount, place a hardened flat washer on a cap screw with short handle and insert through the rear hole in the center tube and the aligned hole in the mount sleeve. Install locknuts and tighten fully.
10. Attach the assembled mount to each side of the vehicle frame by inserting the fasteners through the front opening in the vehicle frame. Insert a hex cap screw with *short* handle and hardened flat washer through each of the two predrilled holes in the front of the frame and the front mount holes. Insert a hex cap screw with *long* handle and hardened flat washer through the predrilled hole in the rear of the frame and the rear mount hole. Install locknuts and tighten fully.
11. Fully tighten all locknuts on the fasteners holding the mount plates to the center tube assembly.
12. Trim excess length from cap screw handles to eliminate any interference.
13. Reinstall vehicle bumper with OEM fasteners retained in Step 1.

NOTE: After five to ten hours of snowplow usage, retorque all mount assembly fasteners.

The company reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. Do not exceed vehicle ratings with a snowplow. The company offers a limited warranty for all snowplows and accessories. See separately printed page for this important information.

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