

## Billet aluminum wheel spacers/adapters

### INSTRUCTION

Wheel Spacers come with prepressed studs 10.9 Grade and open ended lug nuts.

Durable, light weight 6061T6 aircraft aluminum

Anodized finished and heat treated for extra strength

1. Following your vehicle owner's manual, properly raise the vehicle and support it using adequately load-rated jack stands. Never work on a raised vehicle that is supported with a factory emergency, floor or bottle jack.
2. Remove wheels and inspect rotors for any damage or cracks. If any damage is identified, do not continue with this installation.
3. Remove any visible rust from the mating flange on the vehicle's rotor. Inspect both the rotor and wheel mounting flanges for burns, rivet heads, or other obstruction that would prevent a flush seating of the vehicle rotor's mounting flange to both the inner and outer side of the adapter/spacer. Improperly seated adapters/spacers are hazardous and may cause adapter failure, resulting in the loss of a wheel while driving the vehicle.
4. If proper seating can be achieved, mount the Wheel Adapter/spacer on to the vehicle's studs until it sits flush with the rotor's flange. Install the **open ended lug nuts ( provided with the adapter/spacer )**. Tighten all bolts to 30 ft.lbs. using a star pattern tightening sequence, then torque lugs to factory specifications (see chart, side panel) us-ing a torque wrench, following the same star pattern sequence. **DO NOT USE AN IMPACT WRENCH!**
5. Place wheel on to the Wheel Adapter studs until the wheel mounting flange sits flush on the adapter's outer flange. Install the **OEM/FACTORY** nuts onto the lugs. Tighten lug nuts to 30 ft.lbs. of torque using a star pattern tightening sequence, then torque all lug nuts following the same star pattern tightening sequence. Refer to torque chart for correct torque specs. **DO NOT USE AN IMPACT WRENCH!**
6. Check for proper tire clearance in the wheel well, making certain there is sufficient wheel and tire clearance for full steering (lock-10-lock).
7. If there is no interference, vehicle may be lowered. Once vehicle is on the ground under full load, recheck for adequate tire and wheel clearance and unobstructed lock-to-lock steering.
8. Re-torque all lug nuts after 25-50 miles of driving, then again every 1-2,000 miles.

#### **Important safety information**

**Never modify the wheel adapters/spacers**

**Never remove the factory-installed studs on the wheel adapters/spacers.**

**Never use an impact wrench for adapter installation.**

**Do not stack multiple adapters/spacers on a single wheel.**

This spacer set includes open end lug nuts to secure the spacers onto your factory hubs. Your Factory wheel studs may extend past the surface of the wheel spacers. In this case you will need to:

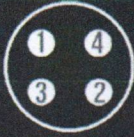

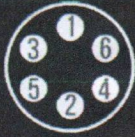
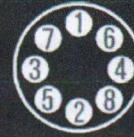
- 1) Shorten the factory studs
- 2) The wheels need to have the open slots (cavities) between mounting holes.
- 3) Purchase a set of shorter studs and replace them with the factory studs.

To avoid excessive loads on vehicle's suspension components, it is recommended that the vehicle manufacturer's original offset be maintained. Excessive positive offset can be dangerous and can cause suspension component failure.

We assume no responsibility for damages or repair costs incurred as a result of a change in offset.

Modified vehicles may not meet local or state requirements for use on public streets. Always research and adhere to federal, state and local laws regarding the use of wheel adapters.

Carefully follow the installation instructions included on this package. We assume no liability for injury, damage or repair costs resulting from improper installation or use.

LUG TIGHTENING SEQUENCE	4 LUG	5 LUG	6 LUG	8 LUG	TORQUE SPECS	LUG DIAM.	TORQUE (FT.LBS)
						7/16"	55-65
					1/2"	75-85	
					9/16"	95-115	
					12MM	72-80	
					14MM	85-95	

Standard torque of Nuts or bolts:

M12 x 1.25 = 8.0 turns = approx. 10 mm of load bearing shaft length

M12 x 1.5 = 6.5 turns = approx. 10 mm of load bearing shaft length

M14 x 1.5 = 7.5 turns = approx. 12 mm of load bearing shaft length

1/2" UNF = 8.0 turns = approx. 11mm of load bearing shaft length

9/16" = 7.5 turns = approx. 12 mm of load bearing shaft length