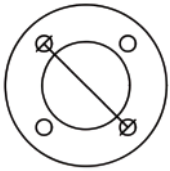
VEHICLE BOLT PATTERN CHECK

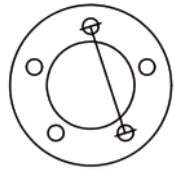
Confirm your vehicle's bolt pattern using the illustration below.

4-Lug



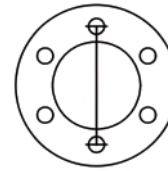
Middle of two holes directly across from one another.

5-Lug



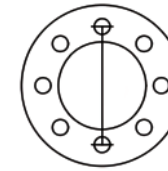
The center distance between any two Non-Adjacent bolt holes **AND *1.051**.

6-Lug



Same as 4-lug

8-Lug



Same as 4-lug

Example (5-lug spacer):

- Measured segment length: 5.233" (~132.9mm)
- Number of lugs: 5
- Calculation: 5.233" × 1.051 = 5.5" (~139.7mm)
- Result: Bolt pattern is 5×5.5"

Common 5-Lug PCD Conversion Chart:

Center Distance Between Two Non-Adjacent Bolt Holes	PCD
95.15mm/3.75inch	100mm/3.94inch
102.76mm/4.05inch	108mm/4.25inch
104.66mm/4.12inch	110mm/4.33inch
106.57mm/4.2inch	112mm/4.41inch
108.75mm/4.28inch	114.3mm/4.5inch
109.42mm/4.31inch	115mm/4.53inch
114.18mm/4.5inch	120mm/4.72inch
120.84mm/4.76inch	127mm/5inch
128.45mm/5.06inch	135mm/5.31inch
132.92mm/5.23inch	139.7mm/5.5inch
148.43mm/5.84inch	156mm/6.14inch
161.75mm/6.37inch	170mm/6.69inch

MEASUREMENT

1. Center Bore Diameter

Ensure spacer center bore is larger than the vehicle's axle diameter.

2. 5-Lug PCD Measurement Methods

- The center distance between any two Non-Adjacent bolt holes **AND *1.051**.
- Use a PCD gauge for adjacent wheel bolts (no calculation needed)
- Refer to the vehicle owner's manual
- Have measurements taken at a professional tire shop.

PRE-INSTALLATION CHECKS

1. Thread Size Verification

Check thread size compatibility.

2. Boltless Flange (Spacer-only)

Verify if original studs are compatible in length.Replace with extended studs if insufficient!

3. Center Bore Fitment

- Spacer center bore must NOT be smaller than the vehicle's axle hub diameter.
- If spacer center bore is LARGER than the wheel's center bore, you MUST purchase and use appropriately sized hub centric rings to ensure concentricity and stability.

4. Wheel-to-Fender Clearance

Measure clearance between wheel and fender. Select spacer thickness accordingly to avoid interference.

5. Hub Flush Mount Check

Place spacer on the factory hub. It must sit COMPLETELY FLUSH against the brake rotor (no gap, not even paper-thin). DO NOT USE if any gap exists.

INSTALLATION GUIDE: 2-PIECE WHEEL ADAPTERS

1. Core Principle

Mounting surfaces must be clean and flat. Bolts must be torqued to spec. Professional installation strongly recommended.

2. Pre-Installation Prep

- **Confirm Specifications:** Verify adapter PCD, center bore, and stud thread size match your vehicle's hub and wheels.
- **Disassemble Adapter:** Unscrew the black connecting bolts to separate the inner plate (no external studs) from the outer plate (with external studs).
- **Tools & Materials:** Torque wrench, open-end lug nuts (compatible with original studs), low-profile nuts (spares), thread locker, cleaner.

3. Step-by-Step Installation

1) Install Inner Plate

- Fit inner plate tightly onto the original hub, ensuring full alignment.
- Thread open-end lug nuts through the inner plate onto the original studs.
- **Nut Check:** Nuts must be flush with the inner plate's holes. If protruding, replace with low-profile nuts to avoid interference with outer plate.

2) Install Outer Plate

- Place outer plate onto inner plate, aligning connecting holes (external studs facing out).
- Apply thread locker to the first 5-6 threads of the black connecting bolts. Insert and tighten.
- Torque connecting bolts to **50-55 ft-lb (68-75 N·m)** using a torque wrench.

3) Install Wheel

- Mount wheel onto the outer plate's studs.
- Use lug nuts compatible with the outer plate stud threads. Tighten evenly in a crisscross pattern.

4) Torque Reference

Torque recommendation for both the open-end lug nuts and rims' lug nuts

- 65 ft-lb for 7/16" studs; 85 ft-lb for 1/2" studs; 80 ft-lb for 12mm studs; 95 ft-lb for 14mm studs; 100 ft-lb for 9/16" studs

INSTALLATION NOTICE

1) Thoroughly clean all studs of dirt, oil, and grease.
2) Install supplied lug nuts with the TAPERED END facing the spacer.
3) Start nuts by hand only and tighten in a crisscross pattern.
4) DO NOT use impact wrenches/tools.
5) **Stock Stud Length Check**

   Original studs too long for adapter; wheel lacks sufficient cavities between mounting holes. Shorten or replace studs to prevent bolt failure and safety hazards.
6) **If glue is used to prevent nut loosening**

   clean the wheel hub surface thoroughly before installation, apply glue after fitting the flange and before tightening bolts.

MAINTENANCE TIPS

1. Re-torque Schedule

Check all adapter nuts/bolts after the first **50-100 miles**. Re-check and re-torque every **3,000-5,000 miles**.

2. Contact for Support

For further questions, contact the manufacturer/seller via the website where you placed your order.