



## INSTALLATION GUIDE **BBS UNLIMITED WHEEL SYSTEM**



[WWW.BBS-USA.COM](http://WWW.BBS-USA.COM)



## 1. REMOVE WHEEL

Remove the wheel as described by vehicle manufacturer.



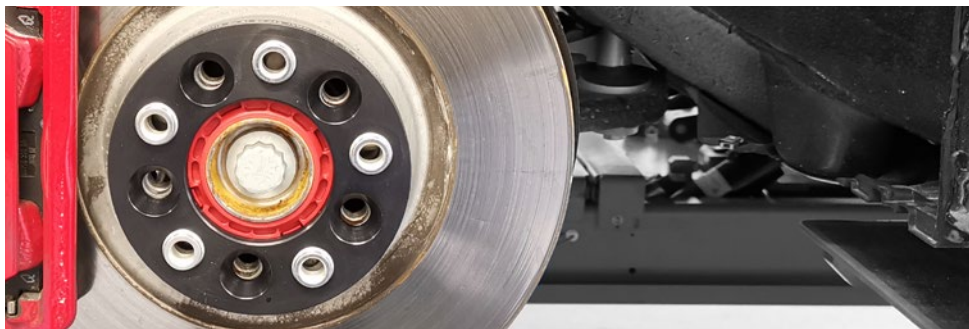
## 2. CLEAN WHEEL HUB

Clean the wheel hub carefully with a steel brush if necessary.



## 3. ASSEMBLE VEHICLE-SPECIFIC CENTERING RINGS

Put the vehicle-specific centering ring into the hub adapter. The centering ring is put into the hub adapter on the side with the beveled edge. If the centering ring has to be removed when changing the wheels, we recommend using new centering rings in order to ensure proper fitment. If the centering ring remains in the adapter, it can be used several times.



#### 4. CHECK CONTACT SURFACE

Check if the hub adapter fits on the wheel hub without any play and confirm that the bolt pattern is correct for the vehicle.



**INFO:**

Steps 1 to 4 are the same for all installations of the BBS Unlimited system.

## ASSEMBLY FOR CARS WITH WHEEL BOLTS

### 5. MOUNT HUB ADAPTER

Mount the hub adapter with attached wheel bolts using a torque wrench (torque to spec as described by the vehicle manufacturer).



Use only the short-headed bolt supplied with the kit. Original bolts may be too long.



## ASSEMBLY FOR CARS WITH WHEEL STUDS



### **ATTENTION!**

If the original threaded studs protrude through the hub adapter, check that the studs fit into the recessed holes on the back side of the BBS Unlimited wheel.

### **5. MOUNT HUB ADAPTER**

Mount hub adapter with the included nuts using a torque wrench (torque to spec as described by the vehicle manufacturer).





**ATTENTION:**

Engage the handbrake while mounting the hub adapter in order to relieve the stress on the transmission. Never use an impact gun for mounting the hub adapters!

**6. INSTALL CENTERING RING IN THE BASE WHEEL**

Only fit the wheel centering ring in the center hole of the BBS Unlimited base wheel **after** balancing the wheel/tire assembly.

If the centering ring has to be removed when changing the wheels, we recommend to use new centering rings in order to ensure a proper fitment. If the centering ring remains in the wheel, it can be used several times.





## 7. MOUNT WHEEL

Mount the wheel with the included BBS Unlimited wheel bolts. Do not use the car's original lugs.



**Please note:** BBS Unlimited wheel bolts can only be used in combination with BBS Unlimited wheels. They are not appropriate for use in other BBS wheels



**ATTENTION:**

Use torque spec for the rim as described by the vehicle manufacturer.  
Never use an impact gun!

**MINIMUM THREAD ENGAGEMENT FOR  
WHEEL BOLTS AND WHEEL NUTS**

M12 x 1.25 at least 8.0 turns

M12 x 1.50 at least 6.5 turns

M12 x 1.75 at least 6.5 turns

M14 x 1.25 at least 9.0 turns

M14 x 1.50 at least 7.5 turns

M15 x 1.25 at least 10.0 turns

1/2" at least 8.0 turns

**General information:**

- Improper mounting procedure can affect the vehicle safety.



At initial installation of the hub adapter, torque the lugs/bolts to the vehicle manufacturer's specification, loosen, then re-torque to spec.



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