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| Revisions | | | |
|-----------|--------------------------------|--------|----------|
| Rev. | Description | Date | Approved |
| A | Initial Release Per ECO 18-058 | 7/9/18 | A.S. |



5 AND 6 LUG WHEEL SPACERS

Installation Instructions

Applications:
Various



TITLE:

**5 AND 6 LUG WHEEL SPACER
INSTALLATION INSTRUCTIONS**

| | | |
|----------|---------------------|-------------|
| SIZE | DWG NO: | REV |
| A | 5-6-LUG-INST | A |
| | SCALE: N/A | PAGE 1 OF 3 |



Thank you for purchasing the best aftermarket products available for your vehicle. We strongly feel that the parts you are about to install should meet or exceed your expectations for performance. Proper assembly is critical to the performance of these components and the vehicle as a whole. Please take the time to carefully read these instructions and familiarize yourself with the installation procedure before working on your vehicle. If you have any questions PLEASE contact Synergy Manufacturing BEFORE beginning installation. Thanks again for supporting Synergy – enjoy the performance benefits of the best aftermarket products available for your vehicle!

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Modifying or otherwise altering vehicle components may cause the vehicle to handle differently than originally designed. It is the driver's responsibility to familiarize themselves with the performance and handling characteristics of the modified vehicle. Vehicles with larger diameter than stock tires must be driven carefully and cannot be expected to perform as stock or meet OEM performance with regard to handling, braking or crash performance. Ensure all replacement components are compatible with vehicle capacities so as not to overload components, especially tires. It is up to the individual to ensure that the vehicle and all components are compatible with the intended vehicle use, including load ratings, road conditions, and driver abilities. Thorough and frequent vehicle inspections are recommended to ensure a safe and reliable state of readiness, especially after off-highway use.



GENERAL NOTES

- These instructions are also available on our website; www.synergymfg.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- Some Toyota models will require extended thread lug nuts which are not included in this kit.

TOOLS REQUIRED

- Jack and Jackstands
- Basic hand tools (sockets and wrench)
- Torque wrench

ESTIMATED INSTALLATION TIME

1 Hour

INSTALLATION

1. Jack the vehicle up and support it securely using jackstands.
2. Remove the wheel from the vehicle and remove drum / rotor retainer clips if present.
3. Apply the thread lock provided in the kit to the OEM wheel studs. Make sure the studs are clean and free of debris. Use a wire brush to clean the threads if necessary.
4. Install wheel spacer / adapter to drum / rotor using the lug nuts provided with the kit.
***Be sure the spacers clear the OEM wheel studs and are sitting flat against the face of the rotor / drum.** Be sure the factory wheel studs are not extending beyond the face of the wheel spacer. ***
5. Check to make sure that there are at least 7 turns of thread engagement between the lug studs and nuts. If there is not enough thread engagement, it will be necessary to purchase extended thread lug nuts. This is most common on the front of some Toyota models.
6. Tighten lug nuts holding the spacer to the wheel hub in a star pattern to the torque shown in Table 1. Have another person apply the brakes to achieve this torque spec.
7. Reinstall wheel to vehicle using the original lug nuts. Tighten lug nuts in a star pattern to the torque shown in Table 1. ***Do not use more than one wheel spacer per wheel.***
8. After driving the vehicle approximately 50 miles repeat steps 1 and 2 and re-check the torque of the lug nuts holding the wheel spacer to the hub. If the torque is insufficient and the nuts move, remove any nuts that moved and re-apply thread locker.
9. After driving the vehicle an additional 50 miles, check the torque of all lug nuts holding the wheels to the wheel spacers.

Table 1. Lug Nut Tightening Torques

| Lug Stud Thread | Tightening Torque |
|-----------------|-------------------|
| 1/2-20 | 85-95 lb-ft |
| M12-1.5 | 80-90 lb-ft |
| M14-1.5 | 90-100 lb-ft |