

sector 111

Nitron S99 Outboard Toe Pin Installation

Rev. A

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READ FITTING INSTRUCTIONS IN FULL BEFORE INSTALLATION

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1. Confirm the following items are in your kit.

- 4 - M12x1.25 K-nuts
- 2 - M12x1.25 jam nuts
- 2 - M12x1.25 RH Rod ends
- 2 - Tall top hat spacers
- 2 - Short top hat spacers
- 2 - M12 washers
- 2 - S99 pins


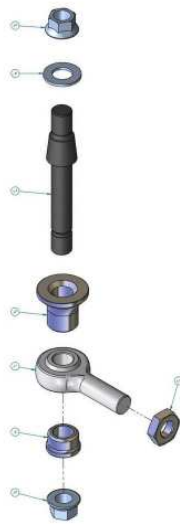
Tools needed for this install:



- (2) 19mm wrenches
or (1) 19mm wrench
and (1) $\frac{3}{4}$ " wrench
- 14mm socket short
- 14mm socket deep
- $\frac{3}{8}$ " drive ratchet
- $\frac{3}{8}$ " drive torque wrench (15-75 ft/lb)
- $\frac{3}{8}$ " drive (4" ext.)




Instructions	Tools/ Parts	Picture/ Illustration
<p>2. Safely jack car up. Place on jack stands and remove rear wheels</p> <p>3. Remove stock ball joint from rear upright.</p> <ul style="list-style-type: none"> ○ Loosen M12 nut on ball joint 4 complete turns. <ul style="list-style-type: none"> ○ Do NOT remove nut ○ Use ball joint separator to remove ball joint from upright. ○ Completely remove M12 nut from ball joint ○ Unscrew ball joint from toe link. 	<ul style="list-style-type: none"> ○ Floor jack & stands ○ 19mm wrench ○ Ball joint separator 	
<p>4. Prepare steel pins for installation</p> <ul style="list-style-type: none"> ○ Remove jam nuts from ball joints ○ Remove k-nuts from steel pins ○ Remove parts from pins ○ Install the 2 jam nuts from the ball joints onto the steel pin and tighten them against each other as shown 	<ul style="list-style-type: none"> ○ (2) 19mm wrenches or (1)19mm wrench and (1) 3/4" wrench 	

Instructions	Tools/ Parts	Picture/ Illustration
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<ol style="list-style-type: none"> 5. Install the steel pin into the upright. Install washer and k-nut onto the steel pin. Tighten the k-nut with the 14mm socket, hold the jam nuts with the 19mm wrench still until the nut is tight to the washer. 6. Tighten the K-nut until the pin is completely seated into the upright and the pin is no longer moving. 7. Repeat process #3-6 for the second upright. 	<ul style="list-style-type: none"> ○ (2) 19mm wrenches or (1)19mm wrench and (1) ¾" wrench ○ 14mm socket ○ Ratchet 	
<ol style="list-style-type: none"> 8. Reinstall parts and hardware in the same sequence as shown. <ul style="list-style-type: none"> • Do this on both sides. 	<ul style="list-style-type: none"> ○ Visual Reference 	

Instructions	Tools/ Parts	Picture/ Illustration
<p>9. This is what your re-installed hardware should look like.</p>	<ul style="list-style-type: none">○ Visual reference	
<p>10. Torque the K-nuts to the pins once you have them installed into both uprights. Torque to 59 ft./lbs.</p> <ul style="list-style-type: none">• Brake rotor/caliper removed for visualization purposes only	<ul style="list-style-type: none">○ 14mm socket deep○ Torque wrench set to 59 ft/lbs○ 3/8 drive extension 4" long	

Instructions	Tools/ Parts	Picture/ Illustration
<p>11. Once the assembly is together on both uprights torque the K-nuts on the pins that hold the assemblies to 59 ft/lbs.</p>	<ul style="list-style-type: none"> ○ Torque wrench set to 59 ft/lbs ○ 14mm socket 	
<p>12. Reinstall wheels and re-align your car.</p> <p>13. Tighten the jam nuts when you are finished with your alignment.</p> <p>14. The picture to the right is what your product should look like when you are finished with the installation.</p>	<ul style="list-style-type: none"> ○ (2) 19mm wrenches <u>or</u> (1) 19mm wrench and (1) 3/4" wrench 	