



TOYOTA KDSS SPACER INSTALLATION INSTRUCTIONS

APPLICATION: 2010+ TOYOTA 4RUNNER WITH KDSS



PARTS LIST	
LARGE KDSS SPACER	1
SMALL KDSS SPACER	2
M12-1.25 X 75MM CLASS 8.8 HEX HEAD BOLTS	2
M10-1.25 X 80MM JIS FLANGED HEX HEAD BOLTS	4
M12 WASHER	2

TOOLS REQUIRED
12MM SOCKET
14MM SOCKET
17MM SOCKET
FLOOR JACK
ANTI-SEIZE/GREASE

GENERIC TORQUE SPECS		
THREAD SIZE	BOLT HEAD SIZE	TORQUE
6mm	10mm	8 ft/lb
8mm	12 or 13 mm	18 ft/lb
10mm	17mm	23 ft/lb
12mm	19mm	50 ft/lb
14mm	22mm	90 ft/lb
1/4 in	7/16 in	12 ft/lb
5/16 in	1/2 in	19 ft/lb
3/8 in	9/16 in	23 ft/lb
1/2 in	3/4 in	90 ft/lb

Installation Instructions

1. Starting at the front of the vehicle, remove your skid plate to gain access to the front sway bar. This may vary by which skid plate you have installed, but it is typically held on with 4 12mm head bolts.



2. On the passenger side of the vehicle, remove the 2 17mm head bolts from the fixed link on the sway bar.



3. Remove the skid plate mounting bracket to allow the sway bar to droop down.
4. Insert the single large spacer in between the sway bar and the fixed link above and use a floor jack to get everything lined up and into place.



5. With the spacer aligned, use a floor jack to press the sway bar back up into position and insert the new M12 bolts with washers after applying anti-seize. Tighten evenly, alternating sides until torqued to 70 ft-lb.



6. Reinstall the skid plate mounting bracket, followed by the skid plate. It is recommended to clean and apply anti-seize to all hardware before reinstalling.
7. Under the rear of the vehicle, remove the 2 14mm head bolts from the sway bar drop-link caps on each side, allowing the sway bar to swing downwards.



8. Starting on the driver side, insert one of the remaining KDSS spacers between the sway bar and the KDSS actuator. Loosely install the 2 of the new M10 bolts after applying anti-seize.



9. Use the floor jack again to raise the passenger side into place, aligning the last KDSS spacer between the sway bar and the link above.
10. Apply anti-seize to the last 2 M10 bolts and install.



11. Tighten all 4 bolts evenly, up to a final torque of 50 ft-lbs.

INSTALL COMPLETE