



## S30z 280zx Turbo CV Axle Adapter Installation Manual



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## Disclaimer

A vehicle modified with MilkFab Engineering products is intended for off road use only. It is the purchaser's responsibility to check and comply with all local, state, and federal laws prior to operating vehicle. Installation and use of performance products may also affect and void warranty. MilkFab Engineering shall not be liable for direct, indirect, incidental, or consequential damage to persons or property that might be claimed as a result from installation, improper installation, and failure of part including claims for delay, loss of profit, or labor.

## Parts List

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### Parts Included

Quantity	Description
2	MilkFab 280zx Turbo CV Axle Adapters
12	M8 x1.25mm x 20mm Grade 12.9 Hex Socket Bolts
12	M8 Nord-Lock Washers
8	M10 x1.5mm x 42mm Grade 10.9 Studs
8	M10 Split Lock Washers
8	M10 x1.5mm Grade 10 Hex Nut

### Additional Parts Needed

Quantity	Description
1	Pair of 81'-83' 280zx Turbo CV Axles

# Installation Guide

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**WARNING!** Extreme caution should be taken when performing ANY maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding the installation or the various components included with the S30z 280ZX Turbo CV-Axle Conversion Kit, consult with a Professional Mechanic or contact MilkFab Engineering for more information.

## Disassembly:

**\*\*BEFORE YOU BEGIN!\*\***

*Remove all contents from the MilkFab S30z 280zx Turbo CV Axle Adapter Kit and verify that ALL necessary hardware is present.*

1. Properly raise and support your s30 using jack stands and the proper jacking points on your vehicle's chassis. (refer to vehicle's owner's manual)
2. Apply the parking brake.
3. Remove rear wheels.
4. With the rear wheels removed, begin the disassembly of the stock s30 half shafts:
  - a. Remove the 8 bolts, 4 at differential flange and 4 at the stub axle flange.
  - b. Remove half shafts from vehicle.
6. Remove differential half shaft flanges by prying between the back side of flange and differential housing. These are held into the differential with circlips and can be difficult to remove. Take note of the location and length of the differential output splines (one side should be longer than the other).

## Installation:

7. Locate the two MilkFab CV axle Adapters and the 8 supplied M10 x 42mm Studs.
8. Apply thread locking compound onto one end of the supplied studs.
9. Insert the end of the studs with the thread locking compound into the 4 - M10 tapped holes on the adapter as shown below. The studs should be flush with the bottom surface of the recess the CV Axle sits in.



10. Install the adapter with studs passed through the mounting holes on the stub axle flange.
11. Locate the 8 supplied M10 Split Lock Washers and M10 nuts.
12. Place the lock washers over the studs and install the M10 nuts finger tight.
13. Remove the 4 - lower control arm mounting bolts at the front differential mount and the rear uprights. The control arms/hubs will need to be moved outwards away from the center of the vehicle to allow the axle dust cover to pass by and seat into the adapter.
14. Insert the splined ends of the CV axles into the differential. The spline length of the CV axles should match the lengths and locations of the differential half shaft flanges removed in step 6 **if using OEM Axles. If using GSP axles, the spline length is the same for both sides/axles.**

- 15.** Seat the CV axles into the circlips in the differential (some force may be needed to perform this).
- 16.** Locate the two 12 supplied M8 x 20mm Hex Head Cap Bolts and M8 Nord-Lock Washers.
- 17.** Place the flange ends of the CV axles into the MilkFab Adapters, Install the lock washers onto the M8 x 20mm bolts, apply thread locking compound to the bolt threads, and insert them through the CV axle flange, and thread them into the adapter.
- 18.** Re-install the control arms the opposite of step 12.
- 19.** Torque Adapter to stub axle nuts to 40 ft-lbs.
- 20.** Torque CV axle to Adapter socket head bolts to 30 ft-lbs.
- 21.** Repeat steps 8-18 for both sides of the vehicle.
- 22.** Re-install wheels.
- 23.** Perform a final test drive of the vehicle.