



INSTALLATION INSTRUCTIONS

Stilgen Type III Rear Wing
90-93 300ZX 2-seater Coupe
P/N 1030059, 1030059C

Materials supplied:

1. Rear wing
2. Rear wing upright, left and right
3. 4@ Threaded rod ($\frac{3}{8}$ -20), flat washers, lock washers, nuts.
4. 2@ Sheet metal screws
5. Gasket, upright

Equipment needed:

1. Assorted sockets and wrenches
2. +,- Screwdriver
3. Assorted pliers
4. Drill motor and assorted drill bits (for aero kits)
5. Adhesive foam tape



WARNING:
**IF YOU ARE NOT EXPERIENCED IN THE
AREA OF BODY REPAIR WE STRONGLY
URGE THAT YOU REFER THIS
INSTALLATION TO YOUR BODY SHOP.**

NOTE: This kit requires particular care and attention to detail to achieve proper fit and finish. This rear wing will fit 1994 and later model 300ZX Twin Turbo using the mounting holes of the original wing. Models using the wrap-around rear wing will require some bodywork to cover the original mounting holes. Rear deck exterior trim and third brake light assemblies will also be required. Models with no rear spoiler or wing will require preparation, patience, and planning. This wing is not designed to fit the rear decks of 2+2 models, which are not identical to the 2-seat version. The installation is done at your own risk. We recommend that installation be done professionally.

Installation:

- 1) Turbo models
 - a) Remove interior panels of the back door.
 - b) Remove OEM rear spoiler.
 - c) Assemble the rear wing and uprights.
 - d) Install Stilgen rear spoiler using original mounting holes for OEM spoiler.
 - e) Drill hole through the rear door into the nose of the Stilgen wing upright.
 - i) Do not drill through the upright but enough to thread a sheet metal screw to secure the nose of the upright.
 - f) Tighten all nuts and screws.
 - g) Replace all interior panels.
- 2) Early 300ZX with wrap-around rear spoiler.
 - a) Remove interior panels for rear door.
 - b) Remove OEM rear spoiler.
 - c) Patch mounting holes for OEM spoiler.
 - d) Third brake light
 - i) The OEM spoiler housed the third brake light. The Stilgen rear wing does not have provisions for the third brake light. Components for converting to the turbo-style third brake light will have to be purchased to maintain a third brake light.
- 3) Installing the Stilgen rear wing.
 - a) The bases of the uprights are contoured to match the profile of the rear deck in a particular position. This installation uses reference points on the rear deck that is common to all 2-seat versions. It is important that care be exercised during the installation.



7th heating element

Rear corner edge of window.

- b) The reference points are:
 - i) The rear window defroster.
 - ii) The lower corners of the rear windshield
- c) Apply masking tape to the rear door around the lower corners of the rear window and extending upwards alongside the rear window up to the 8th heating element of the defroster. This is to prevent scratches to the body during the pre-fit and drilling procedures.



- d) With the aid of an assistant, hold the uprights on the rear door with the:
 - i) Toe of each upright in line with the 7th element of the rear window defroster.
 - ii) Toe of each upright approximately 1" away from the edge of the window.
 - iii) The inside edges of the pedestals just touching the edge of the corner of the window.
- e) Holding the nose of the upright in one position rotate the heel of each upright slightly from one side to the other. You should look for that position in which the upright sits on the rear deck solidly without an indication of rocking.
 - i) Once that position has been determined tape the upright to the rear deck and fit the wing on to the upright. Check for the alignment of the holes underneath the rear wing and the tops of the uprights. They should be close enough that the rods can be inserted through both uprights without the need for excessive adjustment of each upright.
 - ii) If there is an alignment problem repeat the previous step and recheck the position of the upright on the rear deck.
- f) Once the final position of each upright has been determined, remove the rear wing and, using a long thin punch or marker, mark the holes for drilling by using the mounting holes through each upright.
 - i) Remove uprights from rear door.
 - ii) Drill starter holes through the exterior body of the rear door and then through the inner wall.
 - iii) Drill out the external holes to fit the threaded rods.





- iv) Drill out the internal holes to allow the installation of the nuts.
- g) Apply adhesive foam along the:
 - i) Bottom of each upright.
 - ii) Top of each upright
- h) Install the threaded rods into the rear wing.
 - i) The rods will have to be adjusted slightly before they are inserted through the upright.
 - ii) The rear wing is installed as an assembly.
 - iii) Install the washers, lockwashers, and nuts supplied with wing.
- i) Re-install the interior panels on the back door.
- j) **DONE!**

