



## NHS4201

### HEADER INSTALLATION INSTRUCTIONS

**03-07 Nissan 350Z 3.5L / 03-07 Infiniti G35 3.5L / 03-08 FX35 3.5L / 06-08 M35 3.5L**

#### **DC SPORTS HEADERS ARE CARB EXEMPT PER EO# D-370-14**

**!!! READ INSTRUCTIONS THROUGH COMPLETELY BEFORE BEGINNING INSTALLATION.  
FAILURE TO DO SO MAY RESULT IN COSTLY ENGINE AND/OR HEADER DAMAGE!!!**

**\*\*\* FOR YOUR SAFETY, ALLOW ENGINE AND EXHAUST SYSTEM TO COOL FOR AT LEAST AN  
HOUR BEFORE BEGINNING INSTALLATION. \*\*\***

**IF YOU ARE NOT COMFORTABLE AND/OR FAMILIAR WITH THESE INSTRUCTIONS, PLEASE  
REFER THIS INSTALLATION TO A QUALIFIED PROFESSIONAL.**

**When handling the DC Sports Stainless Steel Header, take care to keep grease, oil and fingerprints off the tubes. If the header is run with these contaminants a permanent stain will form when the system becomes hot. To prevent this from happening, DC Sports suggests wiping the header system down with a solution of mild detergent and water after installation.**

**WHEN UNDER THE CAR, ALWAYS WEAR EYE PROTECTION, AS DEBRIS WILL BE LOOSENED  
WHILE WORKING.**

1. Utilizing a flat work area (preferably concrete), jack up the car and **support the car on jack stands** under the frame support points (Refer to your owner's manual). **DO NOT USE THE JACK TO SUPPORT THE CAR WHILE WORKING UNDERNEATH!**
2. Remove two (2) 14mm nuts that secure the factory exhaust b-pipe to the factory exhaust y-pipe.
3. Remove two (2) 14mm nuts that secure the factory exhaust b-pipe to the factory muffler.
4. Slide the factory exhaust b-pipe off the rubber hanger. Remove factory exhaust b-pipe.
5. Remove four (4) 14mm nuts that secure y-pipe to the two (2) catalytic converters. Remove y-pipe.
6. Remove two (2) 14mm nuts and two (2) 14mm bolts that secure the gold lower catalytic converter/transmission bracket beam (Refer to Picture A). Remove gold lower catalytic converter/transmission bracket beam.
7. Remove two (2) oxygen sensor wires (Blue & Green) from bracket mounted to the transmission.
8. Un-plug two (2) oxygen sensor wire connectors (Blue & Green) from wire harness.
9. Remove three (3) 14mm nuts that secure the left side catalytic converter to the left side factory exhaust manifold. Remove left side catalytic converter.
10. Remove three (3) 14mm nuts that secure the right side catalytic converter to the right-side factory exhaust manifold. Remove right side catalytic converter.
11. Remove both left and right-side oxygen sensors from factory exhaust manifolds.
12. Loosen 12mm bolt (**Do not remove**) that secures the steering shaft to the steering shaft elbow (Refer to picture B).
13. Using a permanent marker, mark where the gears should align on the steering shaft elbow and main steering unit as it will be removed (refer to Picture D)
14. Remove 12mm bolt securing steering shaft elbow to main steering unit (Ref. Picture C). Set bolt aside as it is re-used.
15. Remove (Slide up) steering shaft elbow (**Never remove steering shaft elbow off steering shaft**) from main steering unit and locate steering shaft elbow so it is at its highest position on the steering shaft gears. Tighten 12mm bolt to prevent the steering shaft elbow from sliding off the steering shaft (This is temporary).
16. Remove two (2) clips that secure the wire harness to the left side strut tower bar bracket.
17. Remove three (3) 14mm bolts and one (1) 14mm nut that secure the left side strut tower bar bracket to the chassis.
18. Remove wire harness from plastic clip at the right-side strut tower bar bracket.
19. Remove clip that secure the second wire harness to the right-side strut tower bar bracket.
20. Remove three (3) 14mm bolts and one (1) 14mm nut that secure the right-side strut tower bracket to the chassis.
21. Carefully remove strut tower bar then unplug air temperature sensor from intake pipe and remove from air intake box.
22. Remove one (1) 10mm bolt that secures the intake pipe to the intake manifold.
23. Loosen two (2) hose clamps that secure the intake pipe to the throttle body and air intake box.
24. Remove intake pipe from throttle body and air intake box.

**NOTE:** move intake pipe out of the way only as there is a rubber hose attached to the intake pipe from the bottom. Set up and out of the way to gain access to factory exhaust manifold.

25. Remove one (1) 10mm bolt securing the air intake box to chassis. Remove air intake box.
26. Remove four (4) 10mm bolts that secure the left side heat shield to the left side factory exhaust manifold.  
**TIP:** The 10mm bolt closest to the rear of the vehicle is most accessible from under vehicle.
27. Set left side heat shield out of the way, gaining access to left side factory exhaust manifold nuts.
28. Remove six (6) 14mm nuts that secure the left side factory exhaust manifold to the engine.  
**TIP:** The 14mm nut closest to the bottom rear of the vehicle is most accessible from under vehicle.
29. Remove left side factory exhaust manifold and left side heat shield simultaneously.  
**NOTE:** Take care as not to damage factory exhaust manifold gasket, as it will be re-used.
30. Remove one (1) 10mm bolt that secure the engine wire harness to the water pump bracket (Refer to Picture E).
31. Remove four (4) 10mm bolts that secure the right-side heat shield to the right side factory exhaust manifold.  
**TIP:** Top front 10mm bolt most accessible under hood; three remaining 10mm bolts most accessible under vehicle.
32. Set right side heat shield out of the way, gaining access to right side factory exhaust manifold nuts.
33. Remove twelve (12) 10mm bolts & one (1) clip that secure plastic engine guard from under vehicle (Refer to Picture F).
34. Lift plastic power steering reservoir off of bracket then remove reservoir bracket by removing three (3) 10mm bolts that secure the bracket to the chassis. Remove bracket.
35. Remove six (6) 14mm nuts that secure the right-side factory exhaust manifold to the engine.  
**TIP:** The 14mm nut closest to the rear of vehicle is most accessible from under vehicle. The other five (5) 14mm nuts can be accessed from either under vehicle or under hood, depending on type of tool being used.
36. Remove right side factory exhaust manifold and right-side heat shield.  
**NOTE:** Take care as not to damage factory exhaust manifold gasket, as it will be re-used.
37. Ensuring that the original right-side exhaust manifold gasket is free from all dirt and/or debris, install gasket and right-side DC Sports header.
38. Re-install (right side) six (6) original 14mm nuts & tighten (3.4 kgf-m, 25 lbf-ft) starting in the middle working outwards.
39. Ensure OEM left side exhaust manifold gasket is free from all dirt and/or debris, install gasket and left side DC header.
40. Re-install (left side) six (6) original 14mm nuts & tighten (3.4 kgf-m, 25 lbf-ft) starting in the middle, working outwards.
41. Re-install the left side oxygen sensor onto the left side DC Sports header and tighten.
42. Re-install the right-side oxygen sensor onto the right-side DC Sports header and tighten.
43. Loosen 12mm bolt that secure the steering shaft elbow to the steering shaft (Refer to Picture B). **DO NOT REMOVE!**
44. Using original 12mm bolt, re-install steering shaft elbow onto main steering unit, ensure the original marks applied earlier line up.
45. Tighten (2.4 kgf-m, 17 lbf-ft) 12mm bolt that secures steering shaft elbow to main steering unit (Refer to Picture C).
46. Tighten (2.4 kgf-m, 17 lbf-ft) the 12mm bolt that secure the steering shaft elbow onto the steering shaft.
47. Ensure original right-side header/catalytic converter gasket is free from all dirt and/or debris, install gasket & original right side catalytic converter onto the DC header using three (3) original 14mm nuts and tighten (3.4 kgf-m, 25 lbf-ft).
48. Ensure original left side header/catalytic converter gasket is free from all dirt and/or debris, install gasket & original left side catalytic converter onto left DC header using the three (3) original 14mm nuts and tighten (3.4 kgf-m, 25 lbf-ft).
49. Ensure the two (2) original catalytic converter/y-pipe gaskets are free from all dirt and/or debris, install two (2) gaskets and y-pipe onto the catalytic converter studs. Re-install four (4) original 14mm nuts & tighten (3.4 kgf-m, 25 lbf-ft).
50. Slide the factory b-pipe onto the original rubber hanger.
51. Ensuring that the original y-pipe/b-pipe gasket is free from all dirt and/or debris, install the gasket and b-pipe onto the y-pipe studs. Re-install the two (2) original 14mm nuts and tighten (3.4 kgf-m, 25 lbf-ft).
52. Using the two (2) original 14mm nuts, re-install b-pipe to the factory muffler and tighten (3.4 kgf-m, 25 lbf-ft).
53. Re-connect oxygen sensors (blue & green) onto the wire harness.
54. Re-secure the oxygen sensor wires to their original bracket mounted to the transmission.
55. Re-install the original two (2) 14mm nuts (3.4 kgf-m, 25 lbf-ft) and two (2) 14mm bolts (4.5 kgf-m, 33 lbf-ft) that secure the gold lower catalytic converter/transmission bracket beam and tighten (Refer to Picture A).
56. Re-install plastic engine guard with twelve (12) original bolts and tighten (2.4 kgf-m, 17lbf-ft). Re-install plastic clip. (Refer to Picture F).
57. Re-install engine harness bracket to water pump bracket using original 10mm bolt and tighten (1.0 kgf-m, 7.2 lbf-ft). (Refer to Picture E)
58. Re-install power steering reservoir bracket using the three (3) original 10mm bolts and tighten (1.0 kgf-m, 7.2 lbf-ft).
59. Re-install the power steering reservoir back to its bracket.
60. Re-install the intake air box. Secure using original 10mm bolt and tighten (1.0 kgf-m, 7.2 lbf-ft).
61. Re-install intake pipe onto the throttle body and intake air box using the original two hose clamps and tighten.
62. Re-connect air temperature sensors onto intake pipe, secure the air temperature sensor wire to its original clips/bracket.
63. Re-install strut tower bar by using original 14mm nuts (3.4 kgf-m, 25lbf-ft) and 14mm bolts (4.5 kgf-m, 33lbf-ft).
64. Re-attach the two (2) clips that secure the wire harness to the left side strut tower bar bracket.
65. Re-attach wire harness to clip on right side strut tower bar bracket and re-attach plastic clip.
66. **RE-CHECK ALL YOUR WORK**, then affix the supplied CARB sticker under the hood of your car.
67. Lower the car off the jack stands and start the engine and check for exhaust leaks.
68. After approximately 500 miles (800 km), re-check the exhaust system nuts and bolts and tighten as necessary.

## PARTS LIST

Quantity	Part Number	Part Description
1	NHS4201-L	Polished Stainless steel 4-1 one piece- left side
1	NHS4201-R	Polished Stainless steel 4-1 one piece- right side
1	TMTAG-CARBEO14	D-370-14 CARB sticker
2	RHBA-M10x1.25x35	10x1.25 bolt
14	RHNA-M10x1.25	10x1.25 nut
2	DCS1008	DC Sports decals

**THANK YOU FOR CHOOSING DC SPORTS**



**PICTURE A**



**PICTURE B**



**PICTURE C**



**PICTURE D**



**PICTURE E**



**PICTURE F**