



DC Sports
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NHC4202 / NHS4202
INSTALLATION INSTRUCTIONS
07-08 Nissan 350Z VQ35HR / 09-20 370z VQ37VHR / 07-08 G35 Sedan VQ35HR /
09-13 G37 Sedan / 08-13 G37 Coupe VQ37VHR

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

*****FOR YOUR SAFETY, ALLOW ENGINE AND EXHUST 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.

Tools Required

**3/8 Socket wrench, 10mm socket, 12mm socket, 14mm socket, E8 Torque socket
10" extension, 3" extension
Phillips screwdriver
Flathead Screwdriver
10 mm ratcheting wrench, 14mm ratcheting wrench (long & stubby)
Needle Nose pliers**

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 eight (8) 14mm nuts that secure factory H-pipe to catalytic converters and exhaust B-pipe. Remove H-pipe.
3. Remove two (2) 14mm nuts and two (2) 14mm bolts that secure the lower catalytic converter/transmission bracket and remove bracket.
4. Unplug both secondary O2 sensors from wire harness (Blue & Green) and unclip from harness bracket on transmission.
5. On the left side remove three (3) 14mm nuts and bolts that secure the catalytic converter to the factory exhaust manifold. Remove catalytic converter. Duplicate the same steps for the right side.
6. Unclip primary O2 sensors from wire harness and remove left & right side oxygen sensors from factory manifolds.
7. Loosen 12mm bolt (**Do not remove**) that secures the steering shaft to the steering shaft elbow (**Refer to picture A**).
8. 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 C**)
9. Remove 12mm bolt securing steering shaft elbow to main steering unit (**Refer to Picture B**). Set bolt aside as it is re-used.
10. Slide up steering shaft elbow (**Never remove steering shaft elbow off the 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). Do not allow steering shaft to rotate 360degrees or VDC will not work correctly and trigger a warning light on the dash.

11. On cars equipped with a tower bar remove by loosening all eight (8) 14mm nuts and bolts that secure it down. (3 left side, 3 right side, 2 under cowl cover on firewall, on cars w/o please skip to next step.
12. Remove the (2) two 10mm bolts that secure the forward engine cover and remove for ease of access.
13. Unclip and unplug air flow meter from engine harness, then loosen hose clamp that secures rubber intake pipe to throttle body.
14. Release hose clamp to remove PCV hose on intake pipe, then remove one (1) 10mm bolt securing the air intake box to chassis, to remove intake tube and air box all together as one unit, lift away from vehicle. Duplicate on remaining side.
15. Remove the three (3) 10mm bolts that secure heat shield to factory manifold. It is a tight fit to remove and patience is required but a heat shield can be removed from underneath. Rotating and slight bending of shield will aid in removal. Once you remove one side duplicate for the remaining other side.
16. Remove six (6) 14mm nuts on each side that secure the factory exhaust manifolds to the engine. Some nuts will be easier to access from the top while others will be easier from under vehicle. Manifolds will be removed from under the vehicle.
NOTE: Take care not to damage factory exhaust manifold gaskets, as they will be re-used.
17. Using an E8 torque bit remove the rear most upper studs from the engine (**photo D**). These will be replaced with M10x1.25x25mm long bolts later.
18. Ensuring that original exhaust manifold gaskets are free from all dirt and/or debris, install gasket with the DC header.
NOTE: On the driver's side patience is required, as it will take a bit of maneuvering to get the DC header into position. On the passenger side take care not to damage the fuel lines that run along the sides.
19. Install using four (4) supplied 10x1.25 nuts & two (2) Mx10x1.25 bolts (**make sure to place anti-seize on all hardware before installing**) and tighten (3.4 kgf-m, 25 lbf-ft) starting with middle and working outwards. Repeat for the remaining side.
20. Install both (left / right) O2 sensors onto the DC headers securely.
21. Loosen 12mm bolt that secures steering shaft elbow to steering shaft (Refer to Picture B). **DO NOT REMOVE!**
22. Using original 12mm bolt, re-install steering shaft elbow to main steering unit, confirm marks applied earlier match and line up.
23. Tighten the 12mm bolt that secures steering shaft elbow onto the main steering unit (Refer to Picture C). And the 12mm bolt that secures steering shaft elbow onto steering shaft. (2.4 kgf-m, 17 lbf-ft)
24. Ensuring that the original header/catalytic converter gasket is free from all dirt and/or debris, install gasket with catalytic converter onto the DC header using the two (2) original 14mm nuts and one (1) supplied 10x1.25 bolt and one (1) 10x1.25 nut. Tighten (3.4 kgf-m, 25 lbf-ft). Repeat for the remaining side.
25. Ensuring that two (2) original catalytic converter/y-pipe gaskets are free from all dirt and/or debris, re-install the two (2) gaskets and H-pipe with the four (4) original 14mm nuts and tighten (3.4 kgf-m, 25 lbf-ft).
26. Ensuring that the original H-pipe/B-pipe gasket is clean, 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).
27. 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 catalytic converters to the transmission support bracket and tighten.
28. Re-connect O2 sensors (blue & green) to wire harness then secure sensor wires to bracket mounted to transmission.
29. Re-install intake pipe/air boxes. Secure to the throttle body by tightening the hose clamp, reconnect the breather line to the PCV hose and the air box to the chassis using the original 10mm bolt and tighten (1.0 kgf-m, 7.2 lbf-ft).
30. Re-connect both air mass sensors onto the intake pipes and secure to original clips/brackets.
31. Re-install strut tower bar and secure using original 14mm nuts (3.4 kgf-m, 25lbf-ft) and 14mm bolts (4.5 kgf-m, 33lbf-ft)
32. **RE-CHECK ALL YOUR WORK.**
33. Lower the car off the jack stands and start the engine and check for exhaust leaks.
34. After approximately 500 miles (800 km), re-check the exhaust system nuts and bolts and tighten as necessary.

PRE-CARE MAINTENANCE: To prevent permanent staining of your new DC Sports Header, wipe the header clean with a solution of mild detergent and water. Any contaminants left on the header such as grease, oil, and/or fingerprints will result in PERMANENT staining.

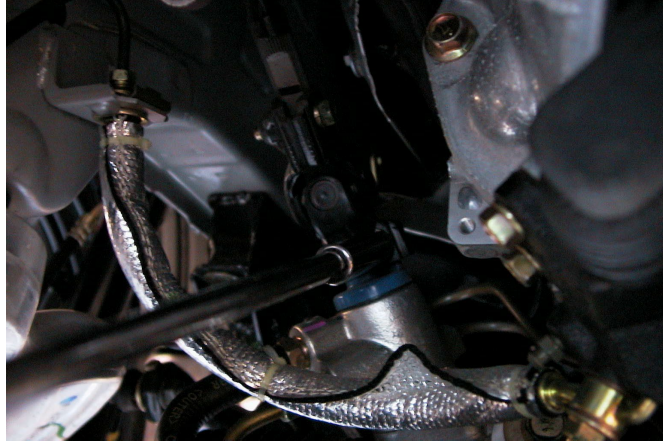
PARTS LIST

Quantity	Part Number	Part Description
1	NHC4202-L / NHS4202-L	Ceramic coated or stainless steel 3-1 one piece- left
1	NHC4202-L / NHS4202-R	Ceramic coated or stainless steel 3-1 one piece- right
2	RM-CB4202	2" 3 bolt gasket
2	RHBA-M10x125x25	10x1.25 bolt
14	RHNA-M10x125	10x1.25 nut
2	DCDECAL	DC Sports decals (two pieces)
1	DC-LPFRAME	DC Sports License Plate frame

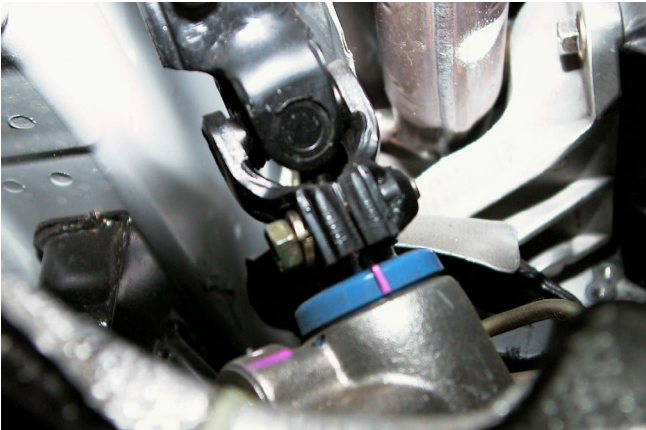
THANK YOU FOR CHOOSING DC SPORTS



PICTURE A



PICTURE B



PICTURE C

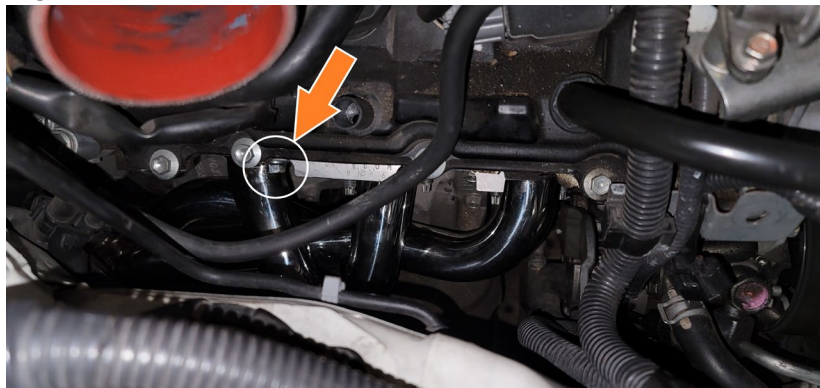


Photo D