

# Fitting Instructions KSR204

# WHITELINE

*Flat out*

Code: Z273

## **Application:**

HICAS (High Capacity Actively Controlled Suspension) is Nissan's [rear wheel steering system](#) found on cars ranging from Skyline to 180SX. Disabling the HICAS unit has been proven to provide greater vehicle stability and more predictable handling at the limit, allowing faster lap times.

**KSR204** is designed to disable the Hydraulic HICAS rear-steer system, as fitted to the following Nissan chassis.

S13 - 180SX, Sylvia & 240SX.

Z32 - 300ZX.

R32 - Skyline GTR, GTS & GTS-4.

Always refer to current catalogue for complete application listing.

## **Contents:**

- 1 x HICAS disabling unit.
- 1 x Hydraulic fluid by-pass pipe (U-shaped).

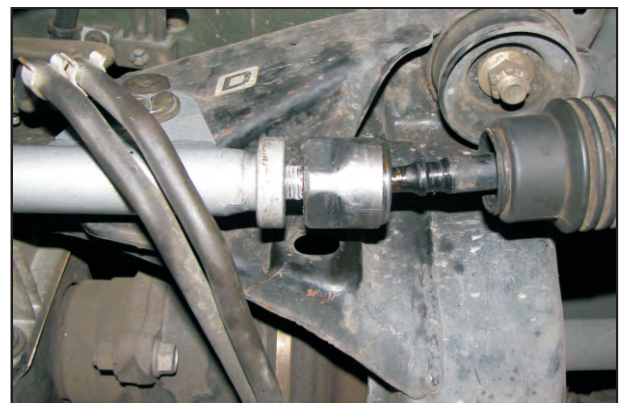
## **Fitting instructions:**

Please read complete fitting instructions and check kit components prior to fitment.

1. Raise rear of the vehicle, support on chassis safety stands, and remove wheels.
2. Clamp flexible hydraulic pipes (slightly forward of rear sway bar) to the HICAS unit to prevent oil leakage after hydraulic lines have been disconnected from the HICAS unit .
3. Remove 10 mm head bolts, securing steel hydraulic pipes to sub-frame, from flexible hoses to the HICAS unit.
4. Disconnect steel hydraulic pipes from HICAS unit and connect new U-shaped hydraulic by-pass pipe, joining two hydraulic pipes as shown in Photo 1. Tension hydraulic fittings to manufacturers specified torque settings.
5. Remove clamps from flexible hydraulic hoses.
6. Remove inner tie-rod end dust-boots from HICAS unit allowing access to inner tie-rod ends. Remove the inner tie-rod ends from the HICAS unit.  
*It may be necessary to disconnect outer tie-rod ends from hub to aid the removal of the inner tie-rods from HICAS.*
7. Remove HICAS unit from vehicle.
8. Fit **KSR204** HICAS disabling unit to the location of the original HICAS unit.



**Photo 1:** Hydraulic By-pass pipe



**Photo 2:** Inner tie-rod fitment

**Note:** *It is recommended to apply thread locking compound to all threads.*

9. Secure the inner tie-rod ends to the HICAS disabling unit as in Photo 2. Tighten to manufacturers torque specifications.
10. Re-attach the outer tie-rod ends to the hub, *if disconnected during the removal procedure.*
11. Re-fit dust boots & secure to HICAS disabling unit.
12. Secure hydraulic pipes to chassis as in Photo 3.
13. Lower vehicle, test drive, and re-tension all fittings. Check to ensure there are no oil leaks from hydraulic fitting.
14. Check wheel alignment, and adjust as required.
15. Whiteline recommends that an inspection and re-tension of all fittings to be carried out after an initial settling in period of a minimum of 100kms.



**Photo 3:** #KSR204 as fitted to vehicle.

**Warning:** Please drive carefully while you accustom yourself to the changed vehicle behaviour.