

# OMEGS21 GREASABLE SHACKLE KIT

Nissan Navara D22

## HAND TOOLS REQUIRED

Ring / Open end Spanner set (Metric)  
Socket Set (Metric)  
Pry Bar  
Torque Wrench

## WORKSHOP TOOLS REQUIRED

Trolley Jack  
Axle Stands  
Lithium – Molybdenum grease  
Grease Gun

## OPTIONAL HAND TOOLS

Ratchet Spanners, 19 and 21mm

## OPTIONAL WORKSHOP TOOLS

Vehicle Hoist

ITEM NUMBER	PART NUMBER	DESCRIPTION	QTY
1	3194233	SHACKLE PLATE OME NISSAN D22	4
3	GSMP30	GREASABLE SHACKLE PIN	4
4	5728013	GREASE NIPPLE	4
5	6151062	NUT M14 x 1.5	8
6	6151064	WASHER SPRING M14 x 5mm x 3 mm	8

## Fitting Procedure – Refer to diagram Overleaf

1. Partially assemble shackle kit. Screw grease nipples into thread on pins then tighten with 8mm spanner. Place the plain ends of the pins into shackle plate. Fix pins in place with spring washers and nuts and finger tighten.
2. Jack rear of vehicle by chassis and secure axle with axle stands. Remove old shackle assembly nuts using 19mm spanner or socket. Remove shackle from spring eye and chassis mounts.  
Note: Spare wheel may need to be partially lowered to allow sufficient space.
3. Remove Existing Bushes from chassis and spring eyes using pry bar.
4. Grease the inside and outer face of new OME bushes with a Lithium based Molybdenum Disulphide grease. Once applied install the new bushes in the spring eye and chassis.
5. Install partially assembled shackle to chassis mount and spring eye ensuring that grease nipples face to the outside of the vehicle.
6. Complete assembly by attaching other shackle plate to pins. Fasten with nut and spring washer. Once assembly is complete tighten and torque all fasteners to 81 Nm (59ft.lb).
7. Grease shackle assembly with Lithium based Molybdenum Disulphide grease using grease gun.

# OLD MAN EMU

Greasable Shackle Assembly Diagram  
Nissan Navara D22  
Part No: OMEGS21

