



# OLD MAN EMU FITTING INSTRUCTIONS

## OMEGS20

## GREASEABLE SHACKLE KIT

To suit **Ford Ranger PX** and **Mazda BT50** 2011 on

### HAND TOOLS REQUIRED

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

### OPTIONAL HAND TOOLS

Ratchet Spanner 21mm.

### WORKSHOP TOOLS REQUIRED

Trolley Jack  
Axle Stands  
Lithium – Molybdenum grease  
Grease Gun

### OPTIONAL WORKSHOP TOOLS

Vehicle Hoist

### Fitting Procedure – Refer to diagram Overleaf

1. Partially assemble shackle kit. Screw grease nipples into thread on pins then tighten with 8mm spanner. Fit the ends of the pins without grease nipples into the inner shackle plate (plate with greater bend). Fasten with spring washers and nuts finger tight.
2. Jack rear of vehicle by chassis and secure axle with axle stands. Remove old shackle assembly nuts using 21mm 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 end face of new OME bushes with a Lithium based Molybdenum Disulphide grease. Once greased, 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 outer shackle plate to pins. Fasten with nut and spring washer. Once assembly is complete tighten and torque all fasteners to 41 Nm (30ft.lb).
7. Grease shackle assembly with Lithium based Molybdenum Disulphide grease using grease gun.

# OLD MAN EMU

Greasable Shackle Assembly Diagram  
Ford Ranger / Mazda BT50 2011-  
Part No: OMEGS20

