



# FITTING INSTRUCTIONS

## OMEGP9 OMEGP10 Leaf Spring OMEGP11 OMEGP12 Greasable OMEGP13 OMEGP14 Pin Kit

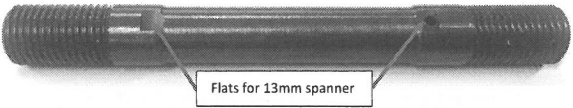
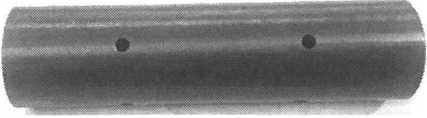
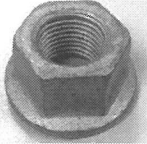


- Instruction on correct fitment of 14mm diameter greasable pins
- Replaces Original Equipment Manufacturer's M14 bolts

### WARNING

- ◆ This is a safety-critical product. The parts must be installed EXACTLY per these instructions, using only the hardware supplied.
- ◆ The use of impact wrenches to install this product is STRICTLY FORBIDDEN!!! Impact wrenches can (and do) over-torque nuts, even when only used to "snug" parts.
- ◆ NEVER exceed the torque setting specified in these fitting instructions! Use a calibrated torque wrench that is in good condition.
- ◆ Exceeding the torque specification may lead to component damage that is not obvious to the installer.
- ◆ In the event of damage to any suspension component, contact your nearest authorised ARB stockist. Repairs or modifications to the suspension system components must not be attempted.
- ◆ Do not use these products for any vehicle make or model, other than those specified by ARB.
- ◆ These products or their fixing must not be modified in any way.
- ◆ The installation of these products may require the use of specialised tools and/or techniques.
- ◆ These products must only be installed by trained personnel.
- ◆ These instructions are correct as at the publication date. ARB Corporation Ltd. cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer.
- ◆ During installation, it is the duty of the installer to check correct operation/clearances of all components.
- ◆ Work safely at all times.

**Note:** These fitting instructions should be read in conjunction with the vehicle workshop manual. Where there is a difference between the workshop manual and these fitting instructions, these fitting instructions must be followed, especially regarding torque wrench settings.

# KIT CONTENTS

Description	Qty	Picture (indicative only)
<b>Greasable Pin</b>	2	
<b>Greasable Crush Tube</b>	2	
<b>Nut – Captive Torque</b>	4	
<b>Grease Fitting</b>	2	
<b>D-Washer (OMEGP14 only)</b>	2	

# TOOLS AND EQUIPMENT

- HAND TOOLS REQUIRED**
- Calibrated torque wrench
  - Ring/open end spanner set – Metric
  - Socket set – Metric
  - Lever bar or pry bar
  - Soft hammer/mallet
  - Paint marker

- WORKSHOP TOOLS REQUIRED**
- Vehicle hoist or jack and axle stands
  - Grease gun & moly grease

- OPTIONAL TOOLS**
- Impact driver (for disassembly only)
  - Imperial spanners/sockets (YJ Jeep only)

## SAFETY EQUIPMENT POTENTIALLY REQUIRED

Protective eyewear



Hearing protection



Note: 'WARNING' notes in the fitting procedure relate to OHS situations, where to avoid a potentially hazardous situation it is suggested that protective safety gear be worn or a safe work procedure be employed. If these notes and warnings are not heeded, injury may result.

## GENERAL INFORMATION

These greasable pins may be installed into new OME springs or retrofitted into existing OME springs. Where they are to be retrofitted into a vehicle with existing OME springs, it is highly recommended that new OME bush kits are fitted with the greasable pin kit.

The correct bush kits for the application must be used. Some vehicles require different bush kits where OME greasable pins and shackles are fitted, versus the vehicle manufacturer's original shackles and fixed eye bolts. Please consult the current OME catalogue for details.

It is highly recommended that OME greasable pins and OME greasable shackles are fitted together to maximise the benefit of their ease of maintenance.

Ensure that all components being fitted and/or refitted are clean and dirt-free prior to installation into the vehicle.

Flat sections for a 13mm open ended spanner are provided for removal of the captive torque nuts from the pins (if required for disassembly at a later date).

## FITMENT

Before fitment of this product, ensure that each component is present in the correct quantities, using the component identification table below. Contact ARB if parts and/or quantities are incorrect. **DO NOT** attempt to modify the parts.

Prior to fitment, wipe away the light oil from each component using a clean dry cloth.

Install the grease fittings into the greasable pins and prime with moly grease.

Using the normal procedure for the make/model, remove one leaf spring from the vehicle.

Prepare an OME spring by installing OME spring bushes, greasing the bore of the bushes with moly grease. If the bush kit comes with a crush tube for the spring's fixed eye, discard it. Only use the crush tubes that come with the greasable pin kit, as non-greasable crush tubes don't have grease outlet holes, and won't allow grease to flow into the bushes. Lightly grease a greasable crush tube and install it into the bushes.

Install the spring into the vehicle using the normal procedure for the make/model, with the following important details:

- Immediately before installing the spring into the vehicle, grease the faces of the bushes.
- For OMEGP14, use a D-Washer to allow the flanged nut to clear the locating block on the outer face of the chassis.
- Install the greasable pin with the grease fittings facing outward.
- Two nuts are required per greasable fixed pin.
- **DO NOT** use an impact wrench to run-up or seat the nuts of the greasable fixed pin! Doing so may damage the product, and it may not be obvious, leading to a potentially dangerous condition!
- Torque the greasable fixed pin nuts to 125Nm (92ft-lb) – **DO NOT OVER-TORQUE!**
- Torque greasable shackles to 81Nm (59ft-lb) – **DO NOT OVER-TORQUE!**
- Using a grease gun filled with moly grease, pump grease into the greasable pin and shackle until grease starts to come out.

Repeat the procedure for the second spring.

Complete the installation using the normal procedure for the make/model, with the following important details:

- Use new U-bolts.
- Tighten the U-bolts according to the torque specifications in the OME catalogue – **DO NOT OVER-TORQUE!**
- Paint mark all bolts and nuts loosened in the installation to clearly show if they start loosening in service.
- Check that all bolts and nuts are at the correct torque at the 500km inspection.

## CORRECT COMPONENT IDENTIFICATION

Kit	Pins (x2)	Crush Tubes (x2)	Nuts (x4)	Grease Fittings (x2)	D-Washers (x2)
OMEGP9	125mm long	19mm OD, 73mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	N/A
OMEGP10	125mm long	22.2mm OD, 73mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	N/A
OMEGP11	121mm long	19mm OD, 69mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	N/A
OMEGP12	130mm long	19mm OD, 81mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	N/A
OMEGP13	130mm long	19mm OD, 78mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	N/A
OMEGP14	130mm long	19mm OD, 73mm long, cross-drilled	M14x1.5 flanged captive torque	¼"-28 with 8mm hex	30mm OD, 14.5mm ID, 5mm thick