OLD MAN EMU
FITTING INSTRUCTIONS

FK53

JEEP WRANGLER JK

FRONT CASTER KIT

HAND TOOLS REQUIRED
Ring open end spanner set metric/imperial
Socket set metric/imperial
Torque Wrench
Vice Grips
Scribe/marker
File

WORKSHOP TOOLS REQUIRED
Vehicle hoist or jack and axle stands
Die Grinder
Safety glasses and ear plugs

OPTIONAL HAND TOOLS
Ratchet spanners metric

OPTIONAL WORKSHOP TOOLS
Vehicle hoist
Impact driver

KIT CONTENTS

Description	Qty.
Packer castor alignment	4
Bolt M14 x 1.5 x 110	2
Nut flange M14 Conelock	2

Note: When fitting larger diameter tires it is necessary to fit aftermarket wheels (rims) with greater offset (reduced backspacing) to clear sway bar, sway bar links and control arms.

Note: For 2012 models with 3.6L engine, modifications to exhaust or driveshaft are required to avoid contact of the driveshaft and exhaust when suspension is at full droop.

Front Suspension Torque Table		
Location	Torque	
	Nm	ft-lb
Suspension Arm Lower Axle Bracket Nut	169	125
Suspension Arm Upper Axle Bracket Nut/Bolt	102	75

Front castor alignment packer fitment

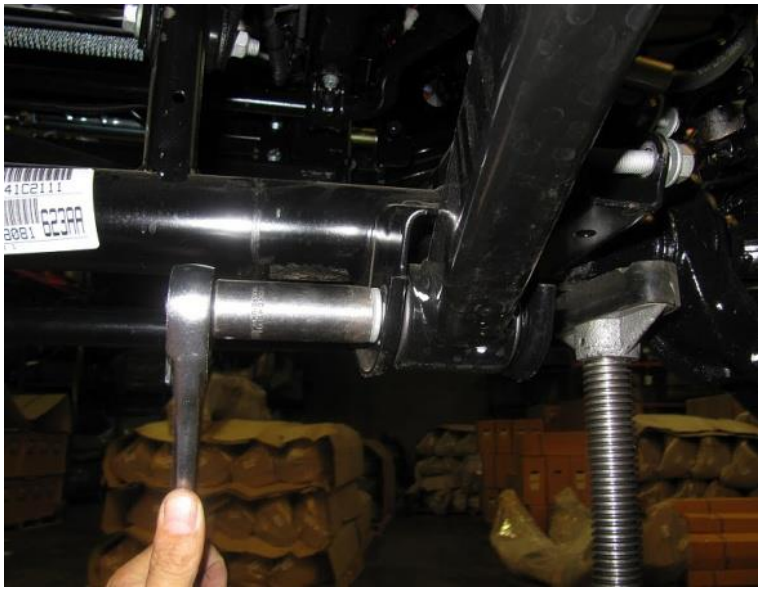


Raise vehicle and support front axle with axle stands.

Remove front wheels.

Lower vehicle onto stand so that suspension is partially compressed

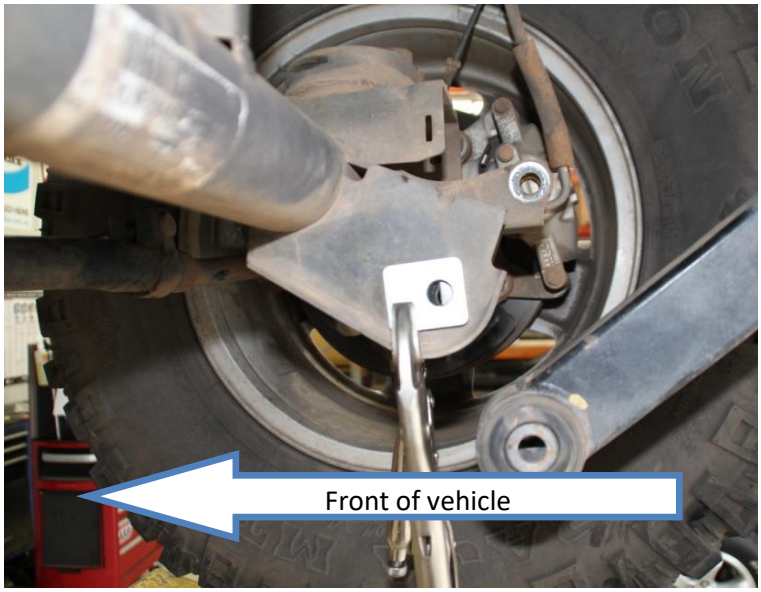
Tools:
Jack and axle stands or vehicle hoist
Wheel brace or 19mm socket



Disconnect the front lower control arms at the axle end and loosen at chassis end.

Move control arms down and let hang clear of the axle mounts.

Tools:
21mm spanner
21mm socket & ratchet or rattle gun



Using vice grips clamp the alignment plates to the axle mount, placing the plates as shown.

Ensure the alignment plate is mounted with the pilot hole towards the rear of the vehicle.

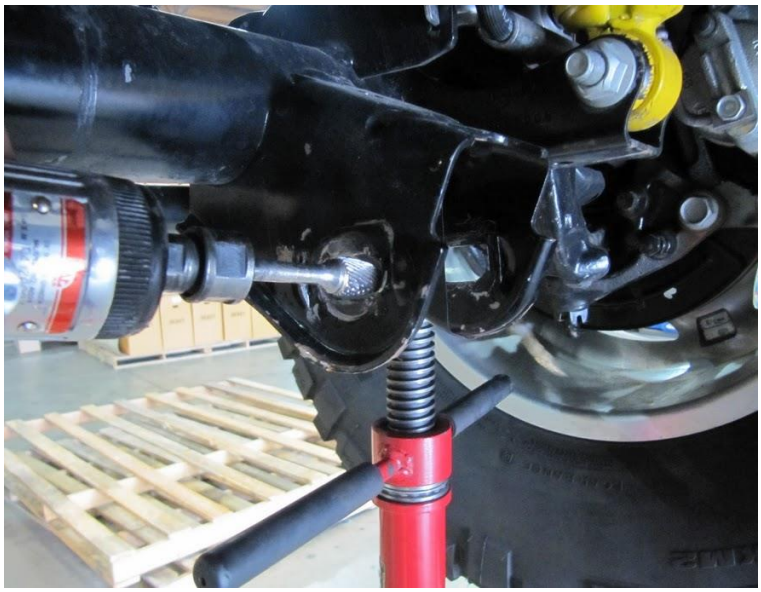
CAUTION: *Take care when completing the following steps as incorrect fitment may result in excessive suspension movement!*

Tools:
Vice grips



Using a scribe, mark the new 14mm hole position.

Tools:
Scribe / marker



Now the 14mm hole is marked remove the alignment plates.

Using a die grinder carefully cut out the hole.

File cut edges to remove burrs and sharp edges.

Caution: Eye and ear protection must be worn for this step.

Tools:
Die Grinder
File



With the alignment plates in position, reconnect the lower control arms using the new M14x110mm flange bolts & cone lock nuts provided.

Torque all fasteners as specified in the table on the first page.

Torque Suspension Arm Lower Axle Bracket Nut to **169Nm/125ftlb**

Torque Suspension Arm Upper Axle Bracket Nut/Bolt to **102Nm/75ftlb**

Tools:
22mm socket & ratchet