



# Installation Instructions

Part No. UCA050FA

## To Suit: Mitsubishi

- ML, MN, MQ and MR Triton 2006+
- Pajero Sport 2009+

## Kit Contains:

- 1 x Left Upper Control Arm
- 1 x Right Upper Control Arm
- 2 x Split Pins
- 2 x Castellated Nuts
- 2 x Bump Stop
- 2 x Bump Stop Packer
- 2 x Brake Hose Bracket

**Installation Time:** 1 1/2 to 2 Hours, inc Wheel Alignment

*Professional wheel alignment is required*

1. Safely raise and support vehicle on hoist or jack and stands.
2. Remove front wheels / tyres.
3. Loosen upper control arm mounting bolts (1).
4. Ubolt and remove ABS brake wire bracket (2).
5. Unclip and remove brake hose from bracket (3).
6. Remove split pin and separate ball joint from upright, using a ball joint breaker / remover tool to release ball joint from taper.
7. Remove mounting bolts (1) and arm from vehicle.
8. Preassemble Upper Control Arm with brake hose bracket and bump stop and bump stop packer. Use threadlocker on M8 bolt threads.
- IMPORTANT:** Bump stop packer **MUST** be used unless a long travel shock is used. (Fig 2)
9. Install new Pro-Forge Control Arm into vehicle, insert 2 x mounting bolt using existing mounting hardware, but **DO NOT** tighten at this stage.
10. Connect ball joint to upright, nut should be tightened firm, but not over tight.  
  
Align nearest nut castellation slot with split pin hole by tightening, not loosening.
11. Insert split pin, then bend ends over nut to avoid loosening. Never re-use or bend a split pin more than once.
12. Re-install ABS brake wire bracket to underside of arm. Re-install brake hose to bracket with clip.  
  
Repeat procedure for both sides of the vehicle.
13. Re-install wheels / tyres, lower vehicle to the ground.
14. With the vehicle on flat level ground at final ride height, tighten both mounting bolts (1) and tension to 115N/m (85 ft/lb).
15. Check all fasteners and ensure clearance around all components.

Fig 1

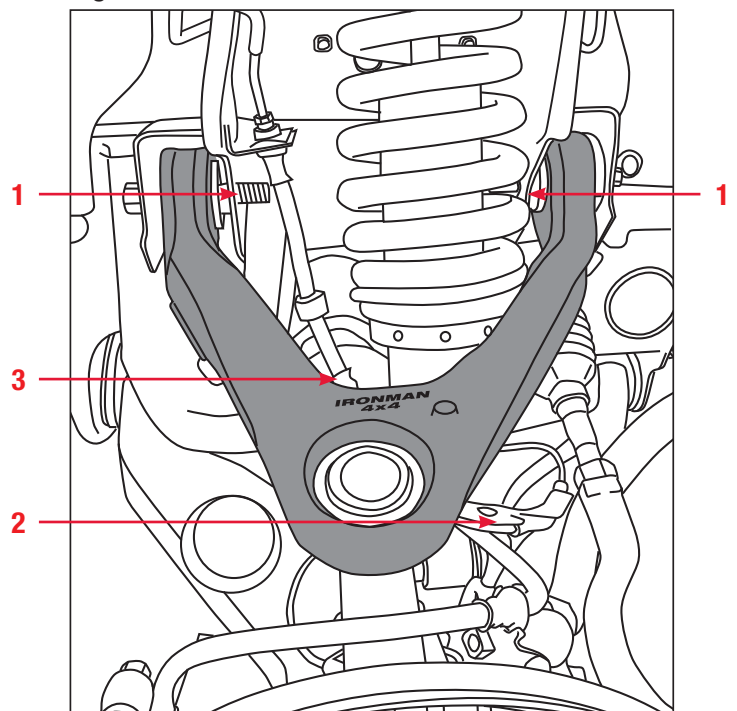
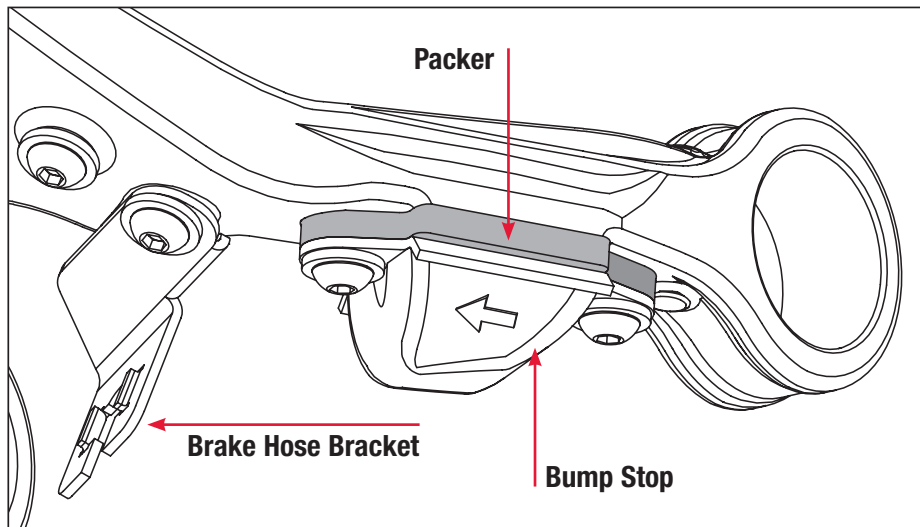


Fig 2



**NOTE:**

Only disregard packer if used together with extra long shock absorbers - Part Number 45715FE

## Wheel Alignment

A strong understanding of wheel alignment procedure is required. Ironman 4x4 recommends wheel alignment be carried out by a trained alignment professional only.

Ironman 4x4 Pro-Forge Upper Control Arms will significantly change the wheel alignment settings by comparison to the OEM arm, for the purpose of correcting alignment after raising ride height.

Adjustments to Camber, Caster and Toe will be required.

Using the lower control arm eccentric cams, in most instances set alignment within the following range, or according to OEM specification.

Caster: 5.00 to 2.80

Camber: +0.50 to -0.50

Toe: -1.0mm to 2.5mm

A high caster setting will aid in providing additional clearance to mud flaps when fitting larger tyres.

Always set wheel alignment settings in relation to tyre wear for each individual vehicle.

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**Warranty will be voided by damage or failure caused by incorrect procedure.**

**Before proceeding to install Pro-Forge Upper Control Arms, please fully read instructions and ensure that necessary tools are on hand.**

**Professional Wheel Alignment Required.**

**Always wear personal safety protection ie. safety glasses and gloves to prevent injury.**