

# FITTING INSTRUCTIONS

**VEHICLE** Ford Ranger PJ,PK /  
Mazda BT50 2008-2012  
**PRODUCT** Upper Control Arms  
**PN#** UCA3956R

## UPPER CONTROL ARMS TO SUIT FORD RANGER & MAZDA BT50

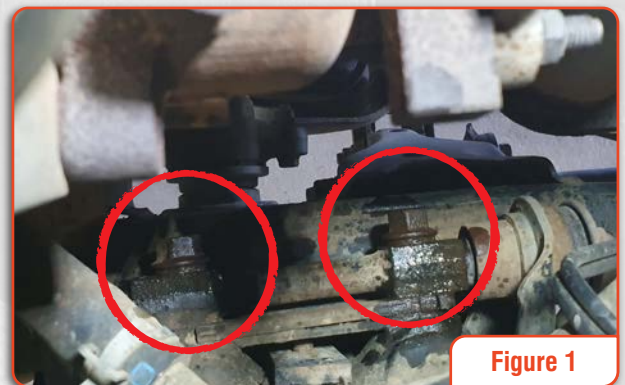
### IMPORTANT NOTE BEFORE INSTALLATION

Please ensure that prior to fitting, rotate the ball stud at the same time grease is pumped through the grease nipple. This is imperative to circulate the grease around the ball joint.

### TOOLS REQUIRED

- 12mm spanner
- 17mm spanner
- 19mm spanner
- Hammer
- Pliers
- Prybar
- 21mm socket and ½ inch rattle gun

1. Jack vehicle up and place on approved jack stands, remove front wheels.
2. Remove (2) ABS wiring bolts and tuck aside out of harms way. Do not discard hardware as you will be re-using it.
3. Remove Split pin from ball joint and loosen nut. Do not remove nut at this stage.
4. Strike the hub assembly around the ball joint to loosen the ball joint from the upright.
5. Locate and loosen the Upper Control Arm retaining bolts (2), until finger tight.
6. Jack up Lower control arm, until UCA is relieved.
7. Remove ball joint nut and remove UCA from upright. Caution: be mindful of the upright assemble moving to far, as the CV could become dislocated.
8. Take note of the shim plates that are installed between the chassis mount and the UCA, as you will be reinstalling these with the new UCA's.
9. Remove the (2) retaining bolts and remove the UCA from the vehicle. See figure 1. Do NOT throw away hardware as you will be re-using all OE hardware.
10. Fit the new Blackhawk UCA onto the vehicle and loosely install the (2) retaining bolts.



Only suitably qualified and accredited mechanics, with specialist 4WD Suspension knowledge should attempt fitment of these upper control arms. Alignment will be required by a reputable wheel aligner.





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11. Re-fit the shim plates between the chassis post and the Blackhawk UCA.
12. Tighten the (2) retaining bolts.
13. Pry the UCA down to line up ball joint with the hub assembly upright.
14. Fit Ball Joint nut, tighten and fit supplied split pin, Lower the LCA down and refit the ABS wiring.
15. Refit front wheels and take vehicle off jack stands.
16. Road test the vehicle and check / correct the wheel alignment.



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