

Bracket 100

Installation Instructions

Landcruiser 100 Series IFS

Lower Control Arm Reinforcement Bracket



READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

SAFETY WARNING

Ironman Suspension recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/reassembly procedures and post installation checks must be known and carried out.

PARTS LIST

Part #	Contents	Qty
Bracket 100	Bracket LHS	1
	Bracket RHS	1
	Retaining Bolts M10x 1.5 x 25	4
	Nut M10	4
	Flat Washer M10	4
	Spring Washer M10	4

COMPONENT REMOVAL

1. Safely raise the vehicle and support with jack stands for safety.
2. Loosen and remove the adjusting nut and bolt from the torsion bar rear torque arm and remove the torsion bar from the vehicle.

Note: Always clean and lubricate adjusting bolt before adjusting.

Note: For ease of removal, torsion bar must be pulled out exactly straight from Torque arm mounting cup.

3. Remove the Torsion Bar front anchor arm from the control arm.

IRONMAN KIT INSTALLATION

Inspect the Control Arm – Torsion Bar mounting area carefully for any existent cracks.

If crack or fatigue is evident, replace Control Arm, immediately.

4. Align and fit new bracket over anchor arm bolts (See Fig 1)
5. Re-install Torsion Bar, reverse of removal, tension anchor arm bolts to 165ft.lb
6. Drill into control arm, using the new bracket hole closest to the Torsion Bar and a guide, with a 10mm drill bit.

Do not drill remaining hole at this stage.

7. Using, Bolt, Flat washer, Spring Washer and Nut, assemble into drilled hole, and tension to 35ft.lb (See Fig 2).
8. Drill the final remaining hole into control arm, using existing hole as a guide.
9. Using, Bolt, Flat washer, Spring Washer and Nut, assemble into drilled hole, and tension to 35ft.lb. (See Fig 3)
10. Re-Check all fasteners for proper tension.
11. When re-adjusting Torsion Bars to correct vehicle ride height, front suspension requires at least 70mm droop.
12. The vehicle may require a front end alignment.
13. Check all fasteners after initial drive and again in 500km.

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(Fig 1)



(Fig 2)



(Fig 3)