

Alba Racing Rear Diff Cover Installation

1. Remove rear skid plate and drain diff fluid.
2. Jack up car and secure with jack stands.
3. Remove both rear wheels.
4. Remove both rear brake calipers.
5. Remove upper a-arm bolts at wheel hub.
6. Using tie downs suspend both upper a-arms.
7. Remove axles from diff and rest on lower a-arms.
8. Release parking brake if applied and remove breather hose from diff.
9. Remove 2 bolts retaining parking brake, but do not remove brake yet.
10. Remove rear diff mount.
11. Place jack under diff to support diff while removing the 2 upper diff bolts.
12. Diff should now be loose from chassis.
13. Pull back on diff and push forward on drive shaft.
14. Once separated slowly lower jack to remove diff. (parking brake should slide off)
15. Remove center nut retaining driveshaft coupling to diff. (may take some effort)
16. Remove 4 bolts retaining OEM diff cover and pinion gear will come out of housing.
17. Press pinion gear out of bearing.
18. Remove spline nut that is now exposed. NOTE!! Nut is left handed thread and Loctited!
19. With spline nut removed bearing should almost fall out. You may need to tap it.
20. Install bearing into new cover and tighten splined nut; use high strength Loctite and torque to 123 ft/lbs.
21. Clean off as much as much silicone as possible from pinion gear and driveshaft coupling.
22. Press pinion gear and shim back into bearing.
23. We recommend installing a new seal, but if the original was removed carefully it can be re-used.
24. Run a bead of silicone around the splines of the pinion gear and install coupling.
25. Install washer and nut using high strength Loctite and torque to 210 ft/lbs.
26. Evenly coat mating surfaces of diff cover and differential with silicone.
27. Install cover in diff and tq bolts to 20 ft/lbs.
28. Install diff back into chassis and re-assemble in reverse order.
29. Double check all fasteners and fill diff with Yamaha Drive Oil.

These instructions are to guide a skilled mechanic through the process of installation.

This installation is recommended for the experienced mechanic only and Alba Racing takes no liability for damages or injuries occurred from improper installation or failure.

By installing this product you agree to these terms. Please contact Alba Racing if you have any questions. 619-562-0188