



HONDA 1000-5 PIONEER ALUMINUM FORWARD OFFSET ARMS

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If questions exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Check and retighten wheels at 50 miles and again at 500 miles. Periodically check all hardware for tightness.

KIT CONTENTS:

- 1-1.5 DR UPPER ARM
- 1-1.5 PASS UPPER ARM
- 1-1.5 DR LOWER ARM
- 1-1.5 PASS LOWER ARM

TOOLS NEEDED:

- Jack and Jack Stands
- 10mm Socket /Wrench
- 14mm Socket /Wrench
- 17mm Socket /Wrench
- 19mm Wrench
- 32mm Socket
- Pliers
- Hammer

HARDWARE INCLUDED:

- 8-Lower Bushing
- 4-Lower Sleeve
- 4-Upper Bushing
- 2-Upper Sleeve
- 8-1/4-28 Flush Grease Fiting
- 2-12mm-1.75 x 80mm Hex Bolt
- 2-12mm-1.75 Flange Lock



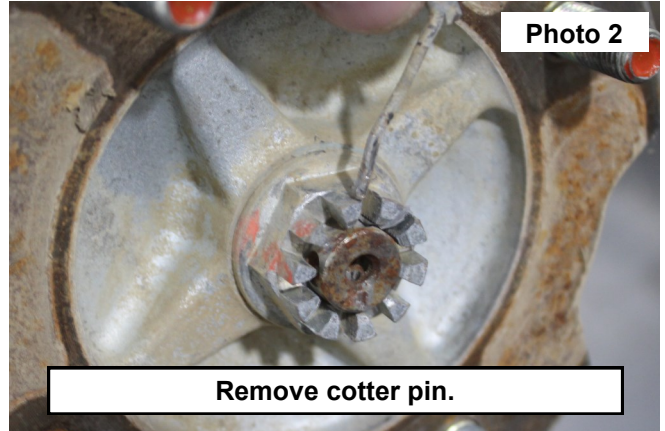
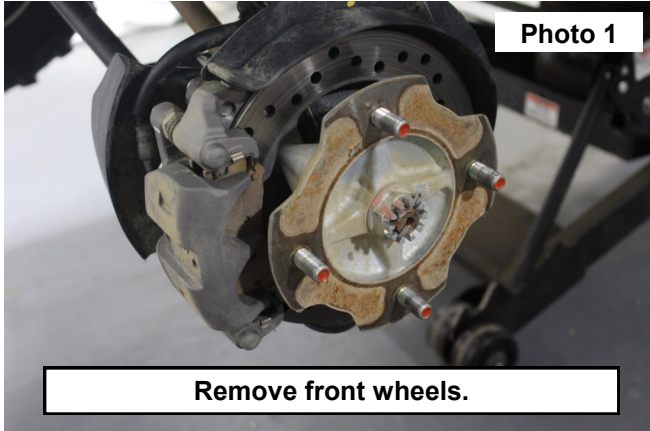
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

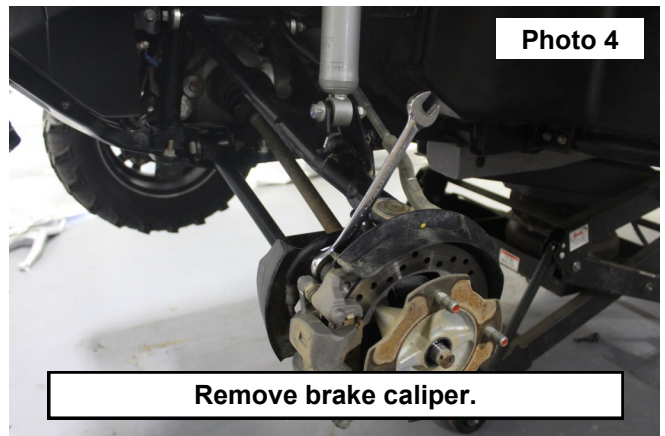
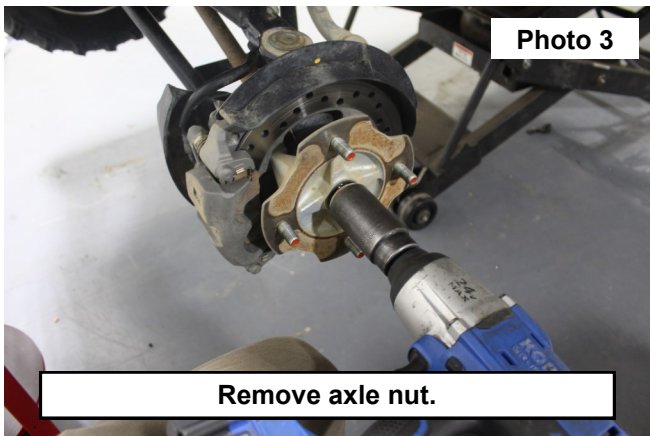


INSTALLATION INSTRUCTIONS

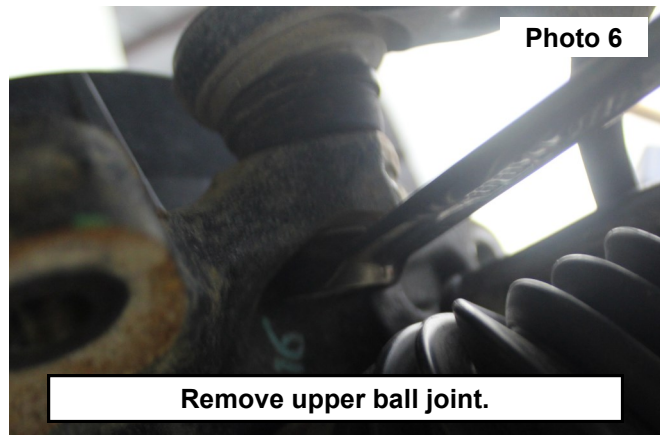
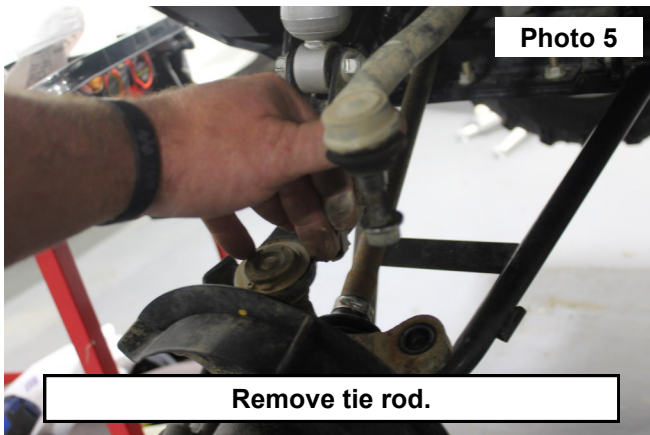
1. Using a jack, lift vehicle and place on jack stands.
2. Remove front wheels using the 19mm socket. **See Photo 1.**
3. Using pliers, remove cotter pin from axle nut. Retain for later use. **See Photo 2.**



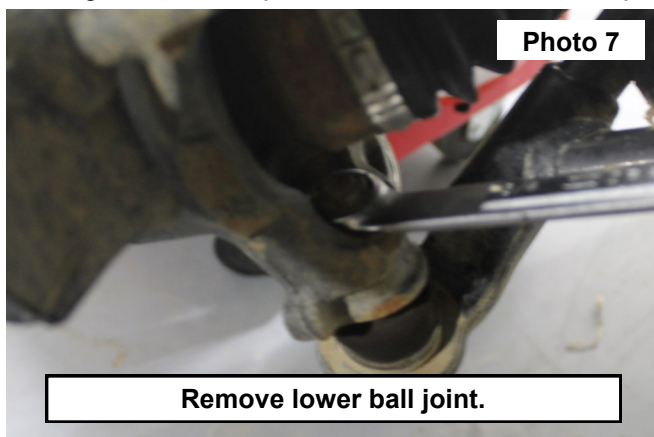
4. Remove axle nut using 32mm socket. Retain for later use. **See Photo 3.**
5. Using a 17mm wrench, remove brake caliper. Retain hardware for later use. **See Photo 4.**



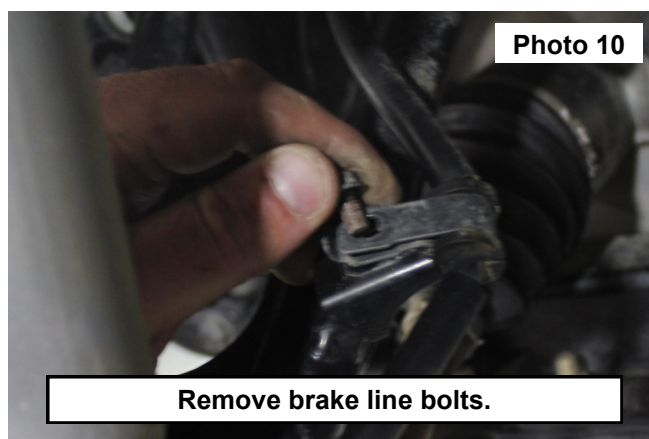
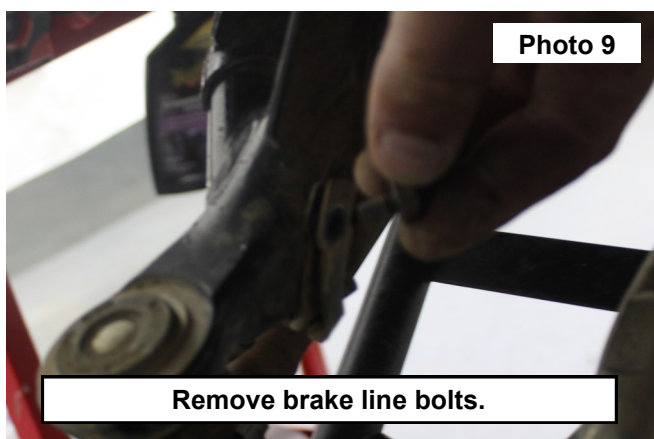
6. Remove the tie rod using the 17mm wrench. Retain hardware for later use. **See Photo 5.**
7. Remove upper ball joint using a 17mm wrench. Retain hardware for later use. **See Photo 6.**



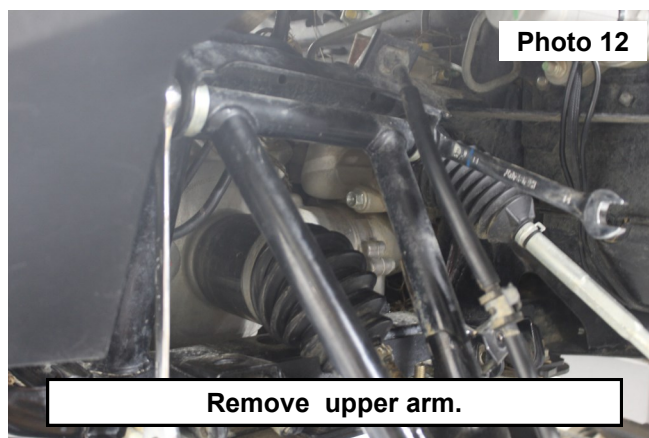
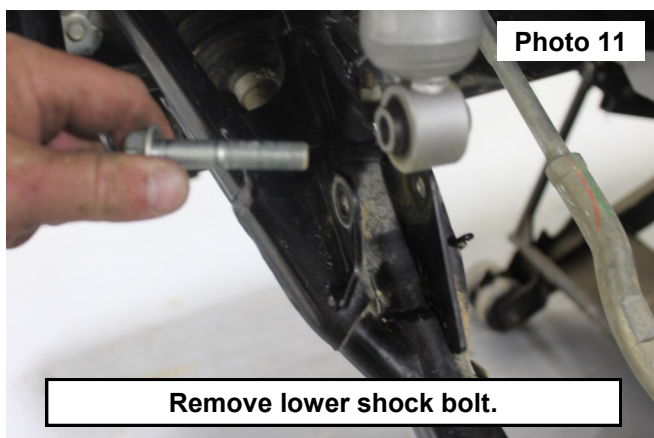
8. Remove lower ball joint with a 19mm wrench. Retain hardware. **See Photo 7.**
9. Using a hammer, tap the boss of the knuckle to separate the joints from the spindle . **See Photo 8.**



10. Remove the (2) 10mm bolts holding the brake lines. Retain hardware. **See Photo 9 and Photo 10.**

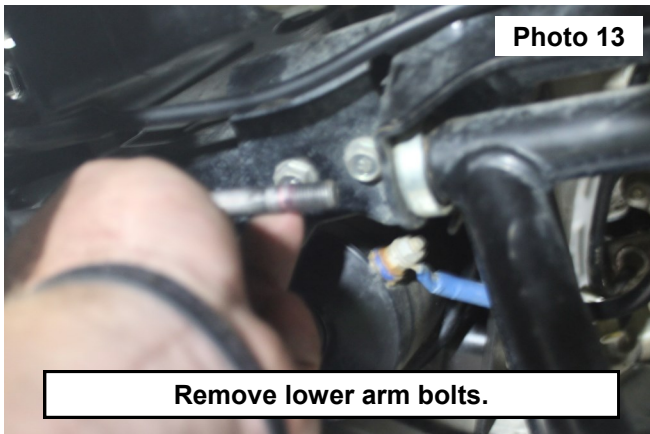


11. Using a 14 mm socket and wrench, remove the lower shock bolt. **See Photo 11.**
12. With a 14mm wrench, remove the upper arm bolts. Retain hardware. **See Photo 12.**



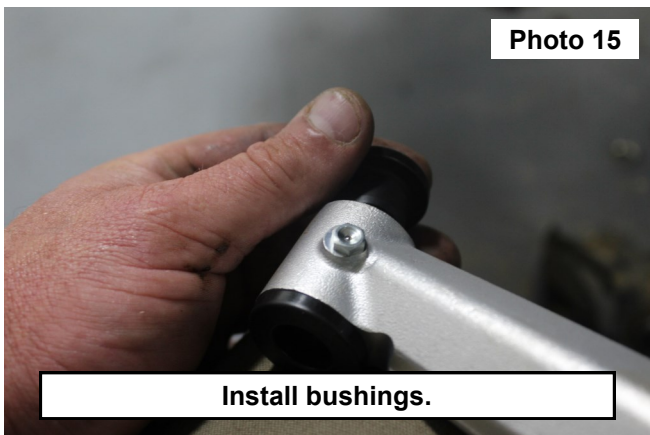
13. Remove lower arm bolts using a 17mm wrench. Retain hardware. **See Photo 13.**

14. Install grease fitting on each eyelet of lower control arms. **See Photo 14.**



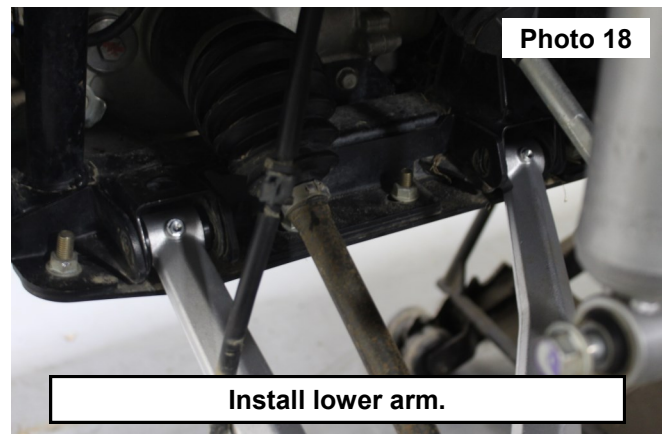
15. Install bushings in each side of the eyelet on lower control arms. **See Photo 15.**

16. Install sleeves in each eyelet on lower control arm. **See Photo 16.**

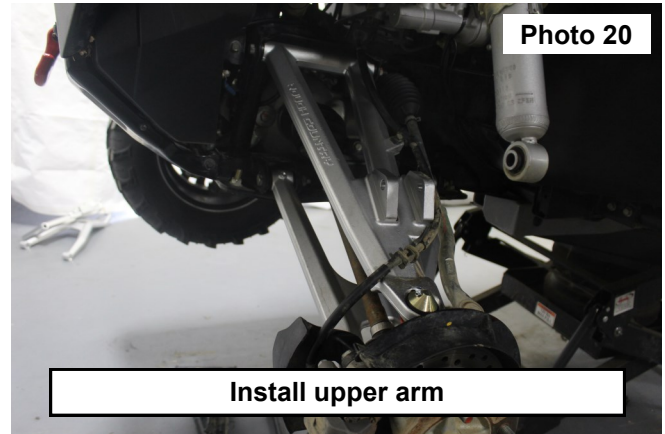
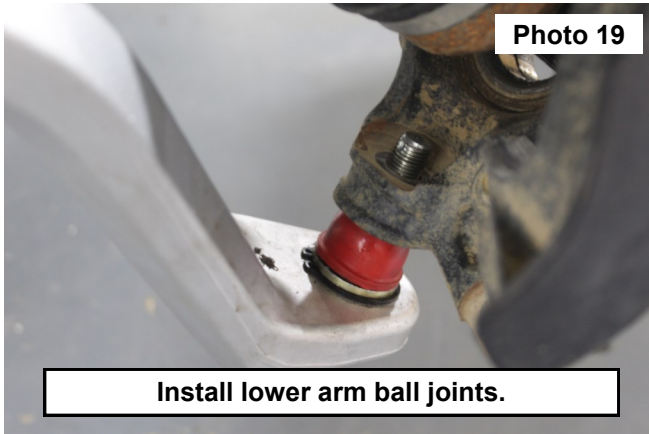


17. Repeat steps 14-16 for the upper control arms. **See Photo 17.**

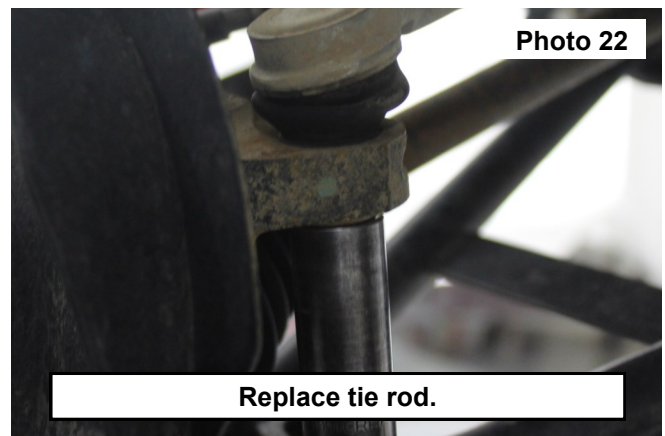
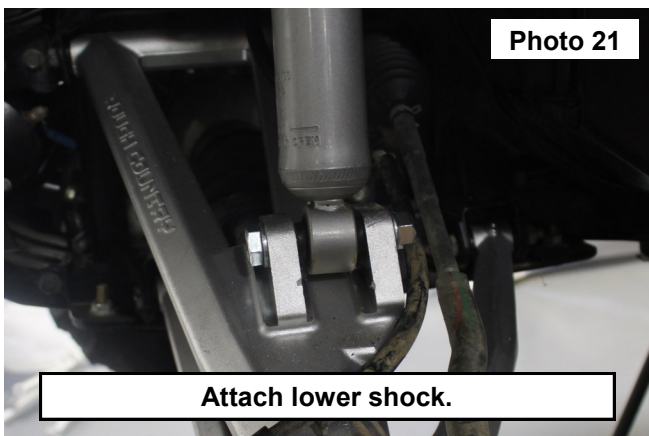
18. Install lower arm using retained hardware using 17mm wrench, tighten to 45ft/lbs. **See Photo 18.**



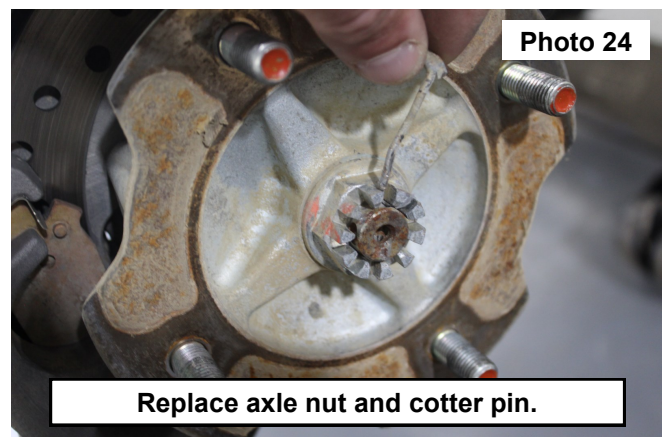
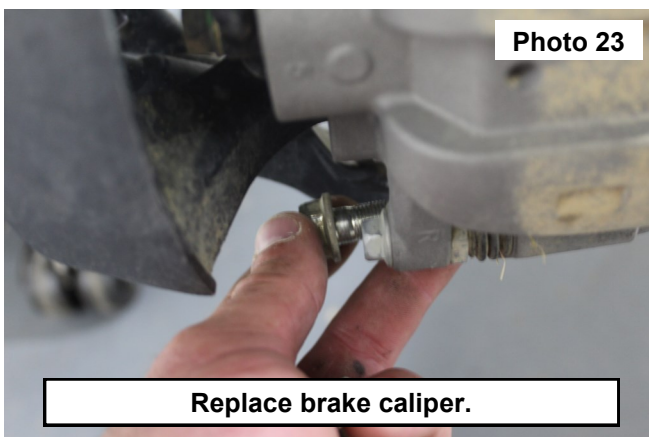
19. Install lower arm ball joint in spindle and tighten to 75ft/lbs. with 19mm wrench. **See Photo 19.**
20. Install upper arm using retained hardware using 14mm wrench, tighten to 23ft/lbs. Install ball joint on spindle and tighten to 75ft/lbs. using 19mm wrench. **See Photo 20.**



21. Using (1) 12mm x 80mm and (1) 12mm flange lock nut per side, attach lower shock to arm and tighten to 75 ft/lbs. **See Photo 21.**
22. Replace the tie rod and tighten to 75 ft/lbs. using the 17mm socket. **See Photo 22.**



23. Replace brake caliper using 17mm wrench tighten to 45 ft/lbs. **See Photo 23.**
24. Replace axle nut, tighten to 240 ft/lbs. with 32mm socket, and replace cotter pin. **See Photo 24.**
25. Repeat steps 2-24 for opposite side of vehicle.



POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harnesses.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Failure to perform hose check/replacement may result in component failure.
3. On some vehicles, the front body panels may need to be trimmed if using certain wheel/tire combinations and with heavy offset wheels. Trim only as needed.
4. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications.
5. Check and retighten wheels at 50 miles and again at 500 miles.
6. All kit components must be retightened at 500 miles and then every three thousand miles after installation. Periodically check all hardware for tightness.

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