



# SANDCRAFT MOTORSPORTS 2 SEAT DRIVELINE PRO R INSTALLATION INSTRUCTIONS

## THANK YOU FOR PURCHASING THIS KIT FROM SANDCRAFT!

Please read the instructions completely before beginning installation.

### TOOL LIST:

Socket - 21,19,18,8,16,15,T40

Wrench - 13,21,18

3/16 open punch  
hammer or mallet

pliers

jack, jack stands



1. Remove bottom Limit Strap hardware (if applicable).
2. Raise the vehicle, secure with jack stands.
3. Remove the front wheels.
4. Remove the sway link lower end hardware.
5. **\*IMPORTANT:** Use a strap to secure the upper control arm to a vehicle tie down point. Unsecured suspension hanging weight **WILL** damage the inner Tie Rod End.
6. Remove the 30mm Axle Nut.
7. Remove the Lower Ball Joint Nut.
8. Remove the Outer Tie Rod End from the Knuckle.
9. Remove the 2 Brake Hose Bolts from the knuckle.
10. Remove Brake Caliper Hanger Bolts (X2).  
**NOTE:** Zip Tie the Brake Caliper Assembly to the Rotor at this point to keep the Brake Components assembled.
11. Carefully shock the Lower Ball Joint Knuckle to break it free.



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12. Remove the Upper Ball Joint Pinch Bolt. Pull the Knuckle down and away from the vehicle to remove.
13. Remove Lower Shock Mounting Bolt.
14. Remove axle from vehicle. Repeat axle removal steps on PS.
15. Remove Bumper Fascia to gain access to Control Arm Bolts.
16. Remove DS Upper Control Arm Bolts and remove Upper Control Arm from vehicle.
17. Remove the 5/16" roll pin from the DS Driveline at the Differential Pinion. NOTE: Be careful not to overdo this, you could bottom out on the solenoid and lock the drivetrain in place.
18. Unplug 2 actuator solenoids on the Differential.
19. Remove Vent Hose from DS of the Differential.
20. Using a wrench on the Passenger Side, and socket on Driver Side, remove 2X 18mm Differential mounting bolts. Remove the Differential from the vehicle.
21. Remove the OE Driveline through the front of the vehicle.
22. Install the SANDCRAFT driveshaft in through the front of the vehicle and align the master splines (rear and front).
23. Re-install the differential into the vehicle. Slide the driveline onto the master spline of the differential.
24. Install the Pinion Yoke Retaining Bolt and nut through the driveline. Torque to 30 ft. lbs.
25. Install 2x 18mm mounting the differential to the frame. 133 fr. lbs.
26. Re install the Upper Control Arm
27. Re install the front fascia
28. Re install the axels
29. Install the Lower Shock Mount Bolt (Do not tighten these bolts yet).
30. Install the Knuckle. Collect the Lower Ball Joint Stud, then the Axle Stud and finally the Upper Ball Joint Stud.
31. Loosely install the Upper Ball Joint Pinch Nut & Bolt. Do not tighten.
32. Install the Brake Rotor/Caliper Assembly. Install Caliper Hanger Bolts (X2). Use thread locker, torque to 73 ft. lbs.
33. Install the Outer Tie Rod End.
34. Install Axle Nut, do not tighten.
35. Torque Upper Control Arm Bolts (X2). Torque to 133 ft. lbs.
36. Install the Lower Shock Bolt. Torque to 133 ft. lbs. NOTE: If you have Limit Straps, DO NOT re install them at this time, wait until the car is back on the ground.
37. Torque Axle Nut to 89 ft. lbs.



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38. Torque Outer Tie Rod End to 52 ft. lbs. + 90 degrees.
39. Install Brake Line Bracket bolts to the knuckle, torque to 8 ft lbs.
40. Torque the Upper Ball Joint Pinch Bolt to 52 ft. lbs.
41. Install the Wheel. Torque to Manufacturer specifications.
42. Re install the skid plate using the 10mm bolts.
43. Lower the vehicle to the ground.
44. If you have Limit Straps, re install them at this point.

**PLEASE CONTACT US AT (480)-539-4438 OR SANDCRAFT@SANDCRAFT-MOTORSPORTS.COM IF YOU HAVE ANY QUESTIONS.**