



7929 Lincoln Ave. Riverside, CA 92504  
 Phone: 951.689.ICON Fax: 951.689.1016

**Instruction Sheet:**

PART# IVD1100B	2007-Current GM 1500 Leveling Kit
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Enclosed Parts List
(2) Billet Aluminum Strut Spacers (2) Billet Aluminum Lower Strut Extensions
Hardware Included
(6) M10 x 1.25 Flange Nuts

Vehicle Applications
2007-Current Silverado/Sierra 1500 2007-2013 Avalanche 1500 2007-2013 Tahoe/Yukon 2007-2013 Suburban/Yukon XL 1500

Installation Notes
<b>** Installation by a certified mechanic is highly recommended. **</b>
<b>** ICON Vehicle Dynamics is not responsible for any damage or failure resulting from improper installation. **</b>
<b>** WARNING! ICON Vehicle Dynamics recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands. **</b>

**\*\* READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION, AND TIRE DAMAGE MAY RESULT TO THE VEHICLE! \*\***

**BEGIN INSTALLATION**

- 1. ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK TIRES!**
- 2. With the vehicle sitting on level ground, measure from the center of the front wheel hub to the top of the fender opening. Record this measurement; you will refer to it later to determine total lift height.**
- 3. Using a heavy duty jack, raise up the front of the truck and support with jack stands under the frame rail.**
- 4. Remove wheels and tires.**
- 5. Remove brake line bracket from upper control arms.**
- 6. Gently pry ABS retaining clips to remove them from upper strut mounting hardware.**
- 7. Support the lower control arm with a jack.**

8. Disconnect sway bar end links from the lower control arms.
9. Remove lower strut mounting bolts that come up through lower control arm.
10. Loosen the upper ball joint nut but do not remove it.
11. Using the appropriate hammer, make solid contact with the spindle where the OE taper pin runs through to separate the ball joint from the spindle.
12. Once the ball joint taper separates, remove the upper ball joint nut.
13. Loosen and remove upper strut mounting nuts. Lower jack to remove the strut assembly from the vehicle.
14. Place the IVD Leveling Suspension strut spacer on top of the OE strut (Spacer slides over factory studs).
15. Install the IVD Leveling Suspension lower strut extension spacer with the "open" end facing out towards the tire, away from the frame. Use the OE bolts to fasten this piece between the lower control arm and to strut barpin.
16. With one hand hold the OE strut with IVD Leveling suspension in place. Reinstall upper hardware, leaving loose. With the jack on the lower UCA, jack the suspension slightly and reinstall the lower hardware into the OE strut..
17. After the strut is installed, Raise the supported suspension while prying down on the upper control arm to reattach the ball joint to the spindle using the OE nut. Torque ball joint nut to factory spec.
18. Torque upper & lower strut mounting hardware to factory spec.
19. Reinstall the brake line brackets on the upper control arms and the sway bar end links to the lower control arms. Tighten to factory specs.
20. Repeat steps 5-19 on opposite side.
21. Install wheels and tires, torque lugs to factory specs.
22. Once installation is complete, roll truck back and forth to allow suspension to settle. Test drive vehicle re-check the torque of all fasteners and re-torque wheels on vehicle after first 100 miles of use. Failure to perform the post inspection checks may result in vehicle component damage and/or personal injury or death to driver and/or passengers.
23. It is recommended that you have your vehicle professionally aligned whenever lift components are installed. A certified alignment technician with lifted vehicle experience is highly recommended. Adjust headlights whenever vehicle has been lifted or lowered for proper orientation.

**\*\* Installer is responsible for ensuring vehicle safety and handling ability after performing modifications to suspension. \*\***

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### **ICON Vehicle Dynamics LIMITED LIFETIME WARRANTY**

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize. This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered. ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

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