

# SENSING UNIT ADJUSTMENT PRECISION LEVELING SYSTEM

## SENSING UNIT INFORMATION

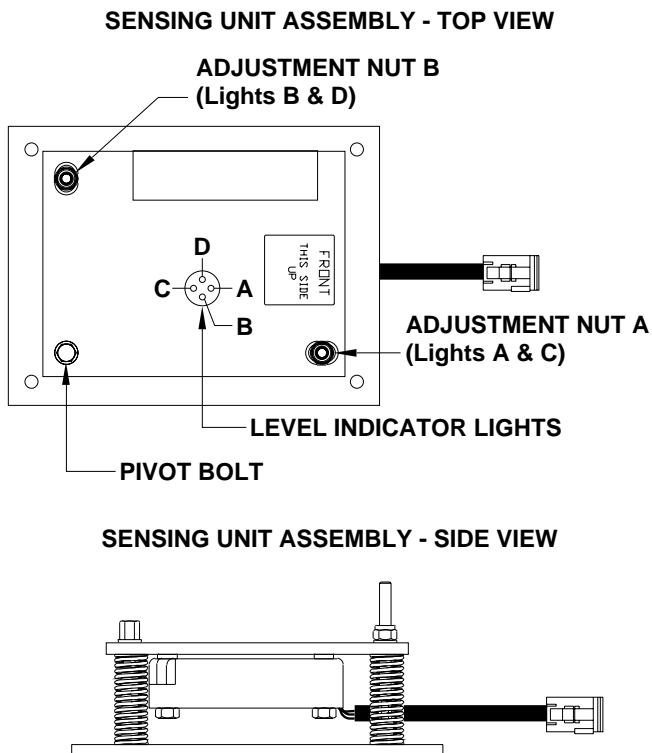
Power must be on for the leveling system to be able to adjust the level sensing unit. Refer to the vehicle manufacturer for this procedure.

There are three level sensing units. There is one sensing unit for side to side leveling at the front of the vehicle and one for side to side leveling at the rear of the vehicle. There is one level sensing unit for front to rear leveling. Refer to the vehicle manufacturer for mounting location of the sensing units. Sensing units may be mounted close to equipment that must be leveled precisely.

The central control module has a sensing unit adjustment switch on the side of the box. This switch must be in the "OVERRIDE" position while adjusting the sensing units. Refer to the vehicle manufacturer for location of the central control module.

**IMPORTANT: The adjustment switch must be kept in the "NORMAL" position for proper system operation. Only move the switch if adjusting the level sensing units.**

Only use adjustment nuts A and B to adjust the sensing units. NEVER turn the pivot bolt when adjusting the sensing units.



If level light A is on, turn adjustment nut A counterclockwise.  
 If level light B is on, turn adjustment nut B clockwise.  
 If level light C is on, turn adjustment nut A clockwise.  
 If level light D is on, turn adjustment nut B counterclockwise.

## SENSING UNIT ADJUSTMENT PROCEDURE

1. Refer to the "MANUAL LEVELING" procedures page to level the vehicle. Level the vehicle according to vehicle manufacturers specifications.
2. Turn power on to the leveling system.
3. Turn the sensing unit adjustment switch to the "OVERRIDE" position.
4. Adjust one sensing unit at a time. Turn adjustment nuts A & B as necessary until all level indicator lights are off.

**If a sensing unit light is on, slowly turn the appropriate adjustment nut until the light goes out. Keep turning the same nut in the same direction until the opposite light comes on.**

**Example: Light A is on. Turn adjustment nut A counterclockwise until light A goes out and light C comes on.**

**Quit turning the nut when the opposite light comes on. Turn the same adjustment nut EXTREMELY slowly in the reverse direction until both lights are out or until the two lights are flickering back and forth.**

**EXAMPLE: Light C has come on. Quit turning adjustment nut A counterclockwise. Now turn adjustment nut A EXTREMELY slowly clockwise until both lights C and A are off or until lights C and A are flickering back and forth.**

5. Repeat the procedure for all level lights on all three level sensing units.
6. Move the sensing unit adjustment switch to the "NORMAL" position.
7. Retract the jacks and move the vehicle to an unlevel position. Do an automatic leveling procedure.
8. Repeat adjustment procedure as necessary.

