204-00 Suspension System - General Information *2019 Ranger*
General Procedures *Procedure revision date: 12/14/2018*

Ride Height Measurement

Special Tool(s) / General Equipment

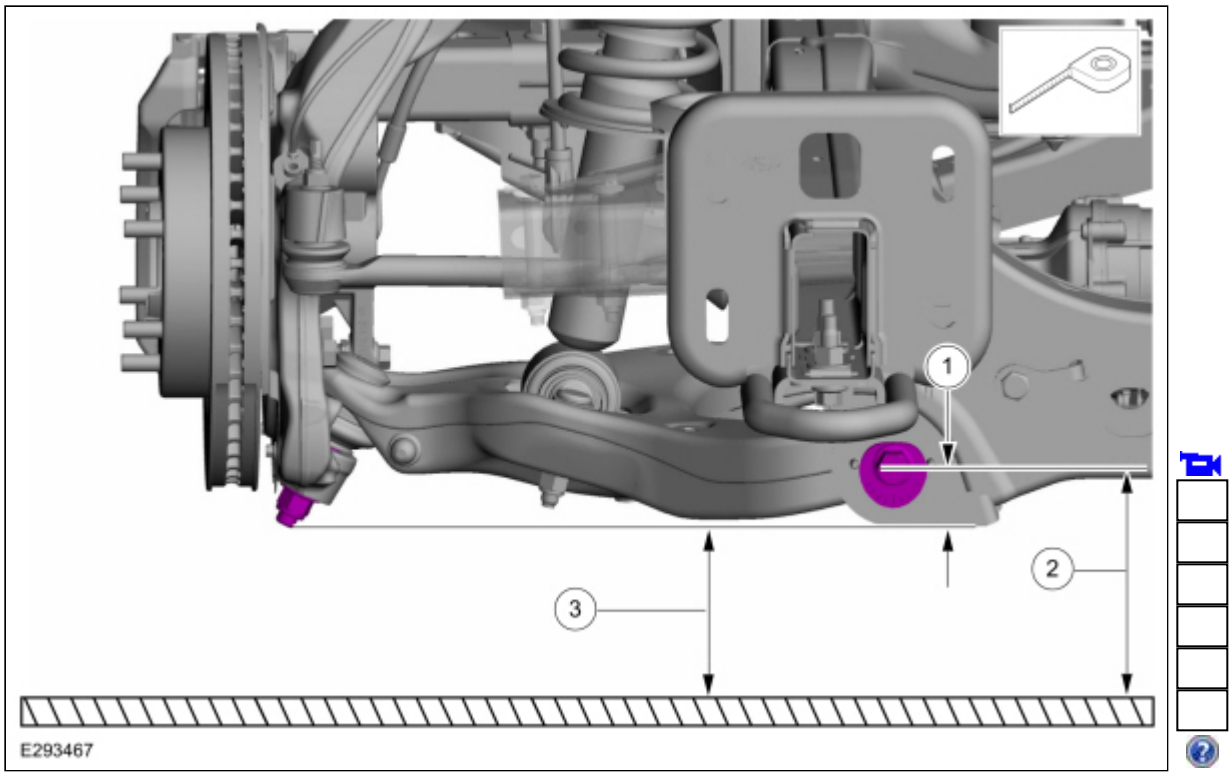
Surface Gauge

Check

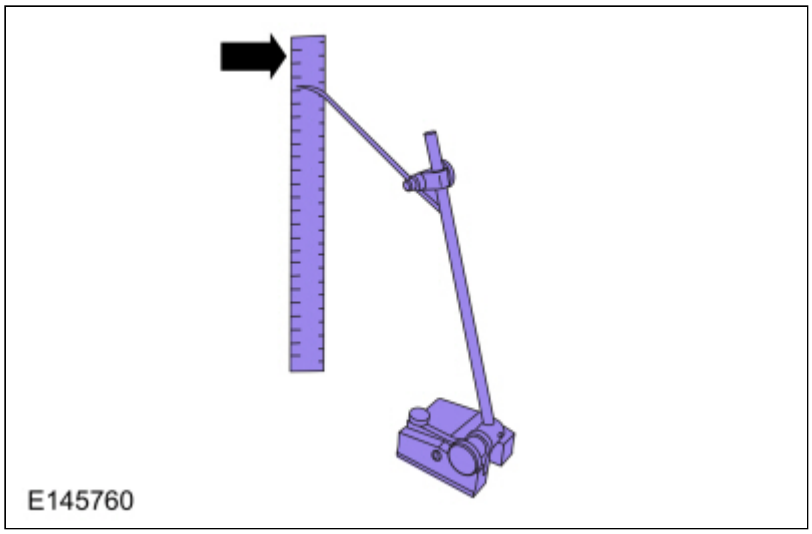
Ride Height Measurement — Front

1. Refer to: Specifications (204-00 Suspension System - General Information, Specifications).
2. **NOTE:** *Make sure that the vehicle is positioned on a flat, level surface.*

   Jounce front and rear suspension vigorously to allow the vehicle to settle.
3. Before measuring ride height check:
   - Tires are inflated to the correct pressure.
   - Vehicle should have at least one-half tank of fuel.
   - All fluids at proper levels.
   - No cargo inside the cab or bed.
   - Inspect for aftermarket equipment. Check for aftermarket changes to the steering, suspension, wheel and tire components (such as competition, heavy duty, etc.).
4.
   1. Ride height = 2-3
   2. Measure the distance between the flat level surface and the center of the front lower arm bolt. (measurement 2)
      Use the General Equipment: Surface Gauge
   3. Measure the distance between the flat level surface and the lower edge of the lower ball joint stud. (measurement 3)
      Use the General Equipment: Surface Gauge



5. With the surface gauge positioned on a flat, level surface, record the measurement of the surface gauge position (measurement 2) and (measurement 3).
   Use the General Equipment: Surface Gauge



6. Subtract measurement 3 from measurement 2 to obtain the front ride height.

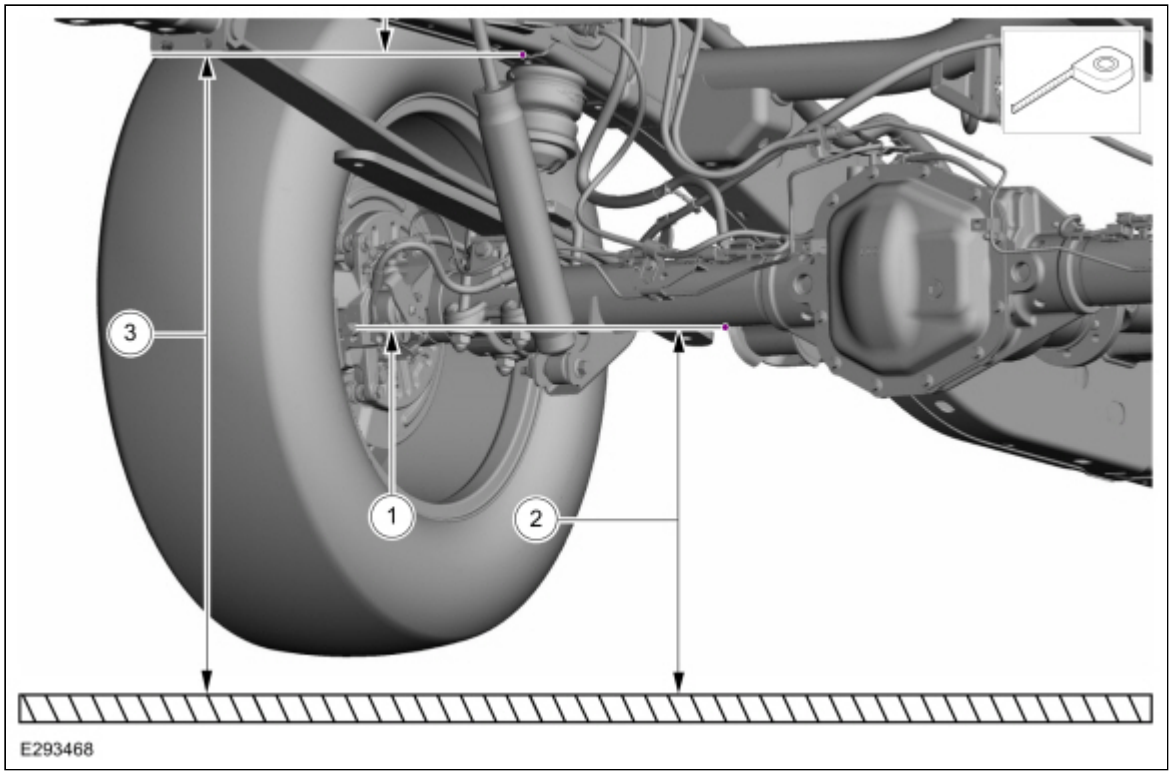
Ride Height Measurement — Rear

7. **NOTE:** *Make sure that the vehicle is positioned on a flat, level surface, transmission in the PARK position and the parking brake OFF.*

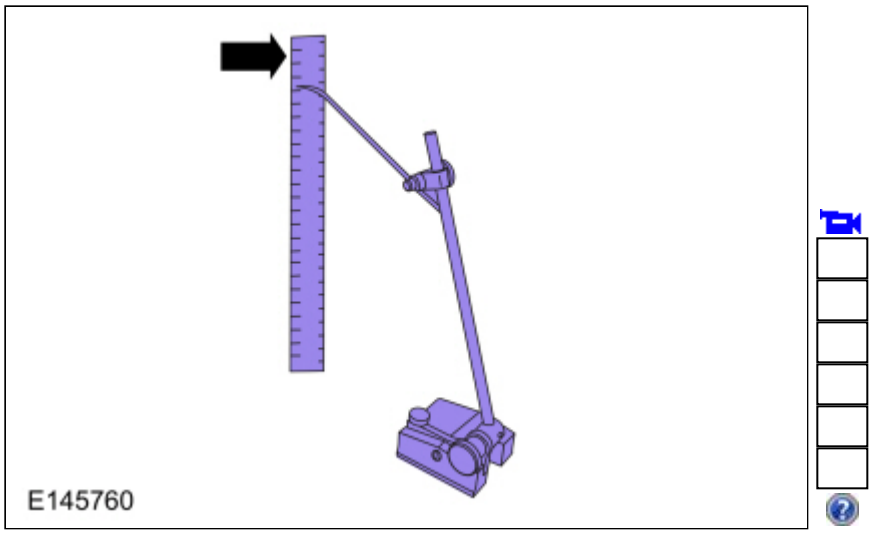
   Jounce front and rear suspension vigorously to allow the vehicle to settle.

8. Before measuring ride height check:
   - Tires are inflated to the correct pressure.
   - Vehicle should have at least one-half tank of fuel.
   - All fluids at proper levels.
   - No cargo inside the cab or bed.
   - Inspect for aftermarket equipment. Check for aftermarket changes to the steering, suspension, wheel and tire components (such as competition, heavy duty, etc.).

9.
   1. Ride height = 3-2
   2. Measure the distance between the flat level surface and the edge of the jounce bumper bracket at the frame. (measurement 3)
      Use the General Equipment: Surface Gauge
   3. Measure the distance between the flat level surface and the bottom of the rear axle edge. (measurement 2)
      Use the General Equipment: Surface Gauge



10. With the surface gauge positioned on a flat, level surface, record the measurement of the surface gauge position (measurement 3) and (measurement 2).
    Use the General Equipment: Surface Gauge



11. Subtract measurement 2 from measurement 3 to obtain the front ride height.