

Information	Method of Inspection	Reason for Rejection
<p>How to inspect The inspections, under this sub-section, must be carried out with the vehicle over a pit or on a raised lift. For many of these inspections an assistant must be used.</p> <p>ATL Approved References to the assistant's role in this section do not apply. However an NT may use an assistant to aid with the inspection of components if the NT considers it necessary.</p> <p>Inspecting front suspension components</p> <p>The inspection of front suspension components Described in sub-section 2.4G, suspension arms And linkages, sub-frames etc., can be carried out in Conjunction with this sub-section.</p> <p style="text-align: right;">Cont'd ↓</p>	<p>A. Suspension Joints and Wheel Bearing (wheels jacked)</p> <p>1. See the Suspension Type diagram for the Jacking positions of various suspension types.</p> <p>Jack up the front of the vehicle so that the front wheels are clear of the ground.</p> <p>Note: Observe relative vertical movement between components during jacking up. Carry out the following examinations by placing a suitable bar under each wheel in turn and levering upwards.</p> <p>a. For suspension types on Suspension Type diagram fig 1, check for excessive vertical movement between stub axles and axle beams</p> <p>b. For suspension types on Suspension Type diagram fig 2 and 2a, check for vertical movement between swivel and housing, and movement in wishbone bearings.</p> <p>Note: It is important that Suspension Type Diagram figure 2 and 2a type suspensions are jacked so that the suspension spring force is removed from the ball joints, i.e. suspension arms must be clear of their stops. Failure to do this can result in defective joints being overlooked.</p> <p style="text-align: right;">Cont'd ↓</p>	<p>1. Excessive movement</p> <p>a. between a stub axle and an axle beam Note: Some vehicles (especially with ball Thrust races) are designed to have a small Amount of vertical movement.</p> <p>b. between a swivel joint and its housing.</p> <p style="text-align: right;">Cont'd ↓</p>

2.5 Front Suspension, Wheel Bearings and Drive Shafts