



NUMBER: 02-004-14

GROUP: Front Suspension

DATE: May 17, 2014

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SUBJECT:

Vehicle Leads or Drifts To The Left - Right Hand Drive (RHD)

OVERVIEW:

This bulletin involves an alignment specification change for camber.

MODELS:

2012-2014 WK Grand Cherokee (International Only)

NOTE: This bulletin applies to Right Hand Drive (RHD) vehicles built on or before February 28, 2014 (MDH 0228XX).

SYMPTOM/CONDITION:

Customer may describe a lead or drift to the left condition at steady state speeds of 56 KPH (35 MPH) and above.

DIAGNOSIS:

If the customer describes the symptom, perform the Repair Procedure.

REPAIR PROCEDURE:

1. Test drive the vehicle on a left crowned road at 80 KPH (50 MPH) steady state speed. Position the vehicle in the center of the driving lane between the two lines designating the lane width. While holding the steering wheel with a controlled grip, allow the vehicle to find its own direction (simulating hands free). Record the amount of time it takes for the front right tire to touch the left hand line prior to making a correction to keep the vehicle in the lane. Repeat the procedure driving in the opposite direction (Example: If initial test is performed driving North, repeat the procedure driving South on the same road). Calculate the average time between the two tests. Is the average time for the vehicle to lead/drift to the edge of the lane **greater** or **less** than 7 seconds?
 - a. Average time is **less** than 7 seconds>>> Proceed with the alignment camber specification change Step #2.
 - b. Average time is **greater** than 7 seconds>>> This bulletin does not apply.

2. Align the vehicle using the front wheel camber settings listed in the following specification table. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: Service Info> 02 - Front Suspension> Wheel Alignment.

Product Line	Left Camber	Right Camber	Cross Camber
Base Suspension (RHD)	-0.45 +/-0.60°	-0.03 +/-0.60°	-0.40 +/-0.60°
Air Suspension (Aero Mode) (RHD)	-1.07 +/-0.60°	-0.67 +/-0.60°	-0.40 +/-0.60°

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
02-00-01-97	Test Drive Vehicle (2 - Skilled)	4 - Chassis Systems	0.2 Hrs.
02-00-01-98	Test Drive Vehicle And Front Wheel Alignment (2 - Skilled)	4 - Chassis Systems	1.3 Hrs.

FAILURE CODE:

ZZ	Service Action
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