

TECH TIP

11MY-17MY Speedometer Calibration Procedure

SUBJECT VEHICLES:

2011MY-2017MY Conventional trucks

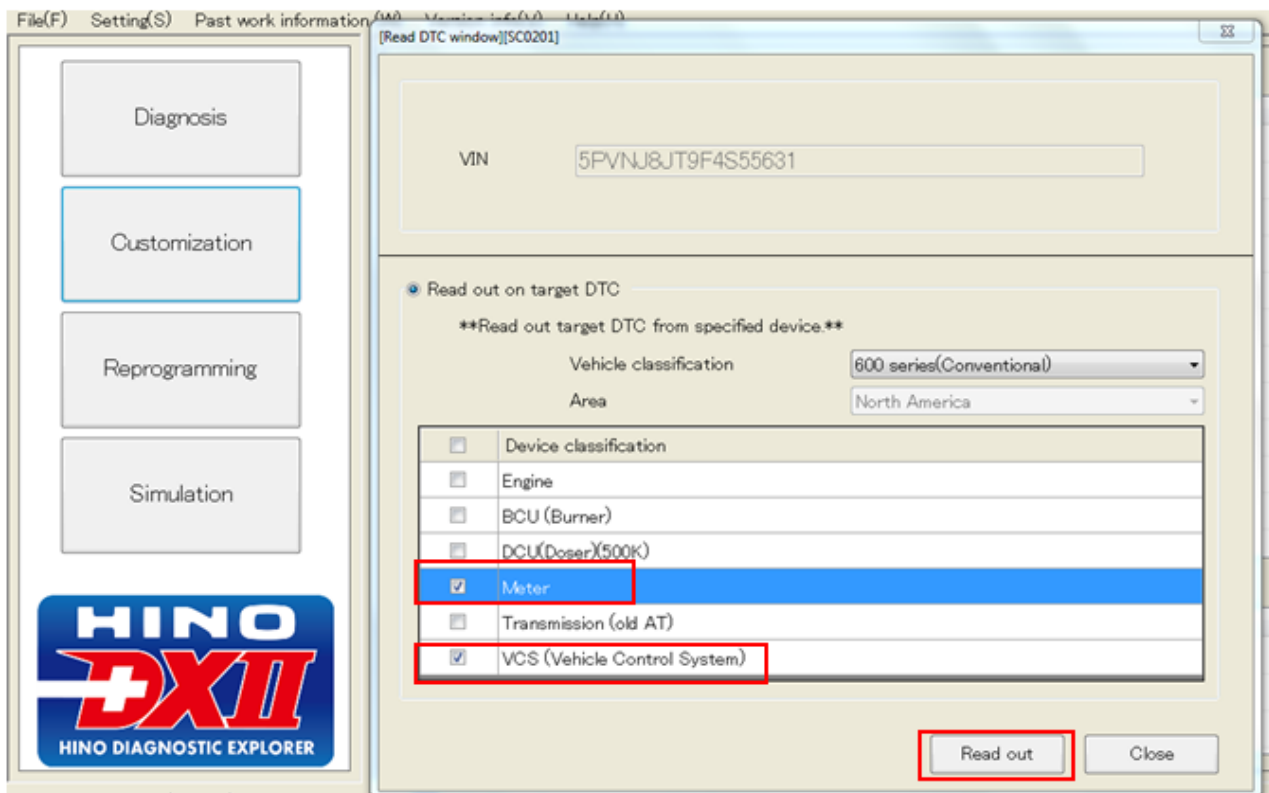
Note: This technical tip is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

The tech tip below is to reset the speedometer after a tire size change or rear end gear change.

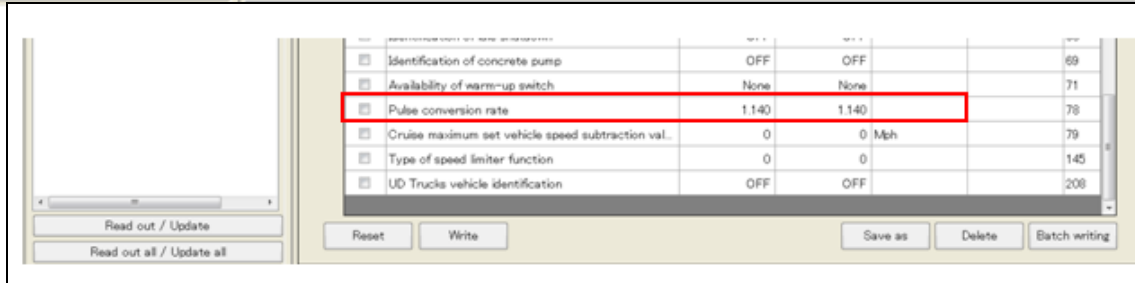
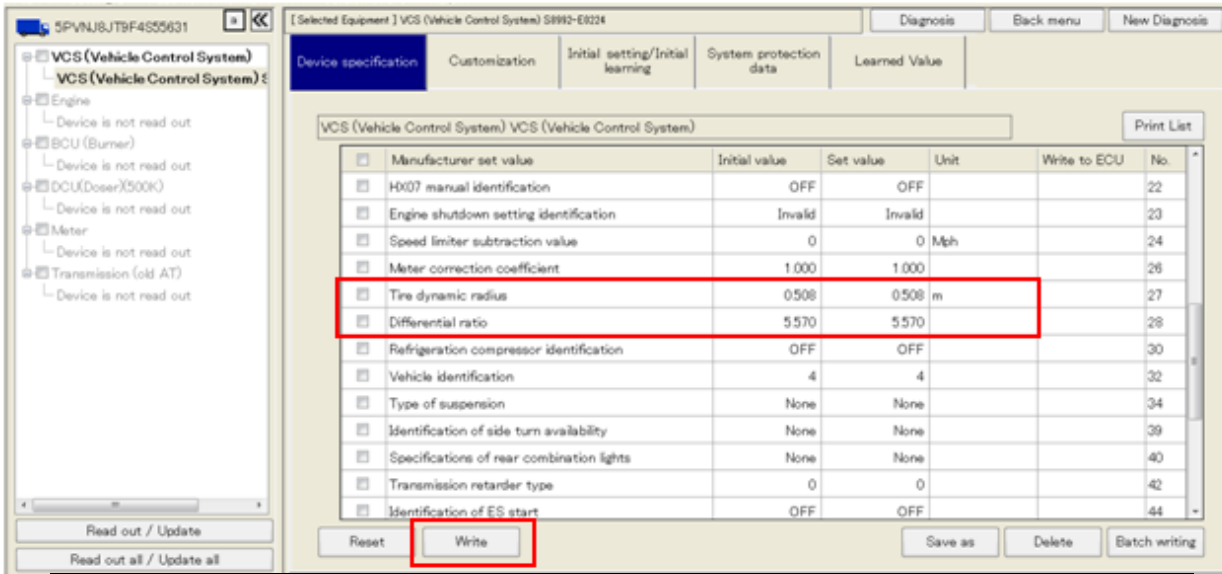
REPAIR PROCEDURE:

1. Use the tire manufacturer’s website or tire specification sheet to obtain the “metric” tire radius you will need the exact tire size and model of the tire to accomplish the next step.
2. Using the Chassis workshop manual, (Electrical Equipment Section) find the chart depending on transmission, (automatic or manual) the tire metric radius and the rear axle ratio. This will give you the new conversion rate that will be used later in this procedure.
3. Using DX2, check the vehicle control system (VCS), meter and select “Read out”.

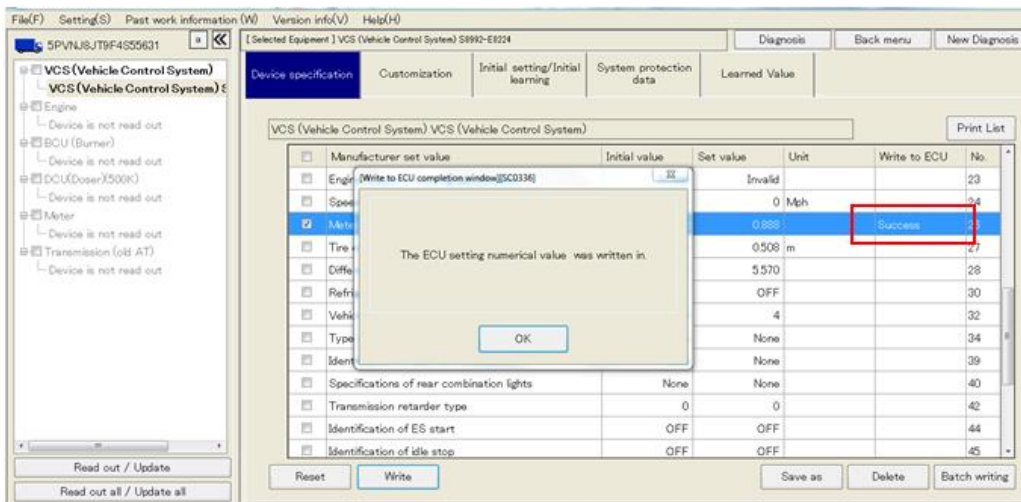


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4. Select the VCS first, select "Device Specification" and enter the following in set value:
 - A. Differential ratio
 - B. Tire Dynamic radius
 - C. Pulse conversion rate

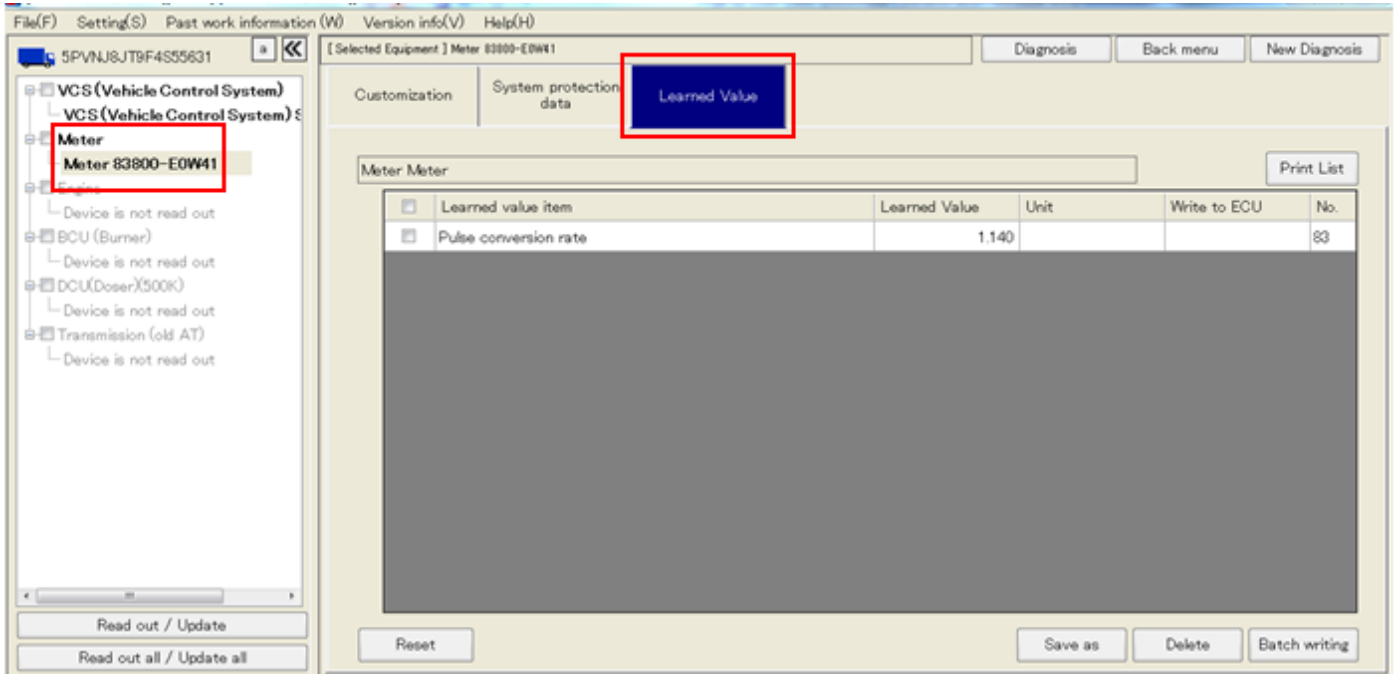


Note: Make sure these values write to the VCS (it will say success).

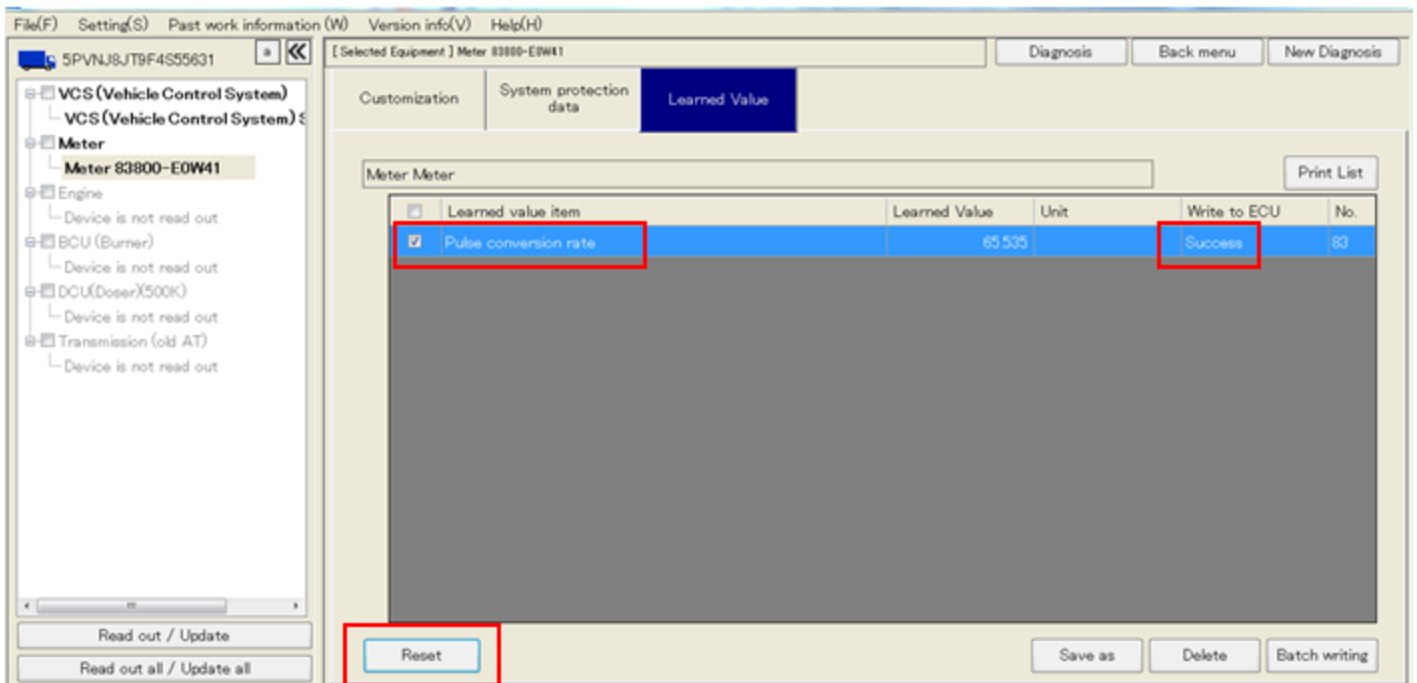


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5. Log into the meter and select “learned values”.



6. Check “pulse conversion rate” and select “reset”, this will remove the value shown and import the new value you entered to the VCS. Make sure these values write to the meter (it will say success).



Tech Tip No:	TT-14-031
Group:	0-GENERAL
Issue Date:	2/23/2016

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7. Failure to perform steps 5&6 will result in no change to the speedometer calibration.

Note: Steps 5&6 were not necessary on earlier models.

8. Confirm that the conversion rate was displayed on the information display.