



Technical Service Information

GM 6T40 SERIES BUMP, SURGE OR VIBRATION

COMPLAINT: A GM vehicle (refer to the service information below for a listing of vehicles) equipped with a 6T40 Series transmission with the Neutral Idle Control feature, may have complaints of a bump, surge or vibration when the vehicle is stopped in drive at an idle.

CAUSE: This condition is caused by a combination of the Neutral Idle Control feature and a friction compatibility issue with the 1-2-3-4 friction plates. A waveform of input and output speed sensor signal seen in figure 1 shows the bump occur as the transmission goes to neutral.

CORRECTION: Replace the two 1-2-3-4 friction plates shown in figure 2 using the part number seen under Service Information.

NOTE: These clutch plates will only correct a continuous on/off bump, surge or vibration sensation that occurs while stopped in drive with foot brake applied. These clutch plates will NOT eliminate the single bump sensation that occurs as the vehicle comes to a stop and the transmission goes to neutral.

These clutch plates will NOT eliminate the single bump sensation that occurs when the foot brake is released and the transmission engages the 1-2-3-4 clutch. These single bump sensations are considered NORMAL by General Motors.

SERVICE INFORMATION:

1-2-3-4 Clutch Plate Kit24273076

The following vehicles are affected:

2013 - 2014 Buick Encore

2012 - 2014 Chevrolet Cruze

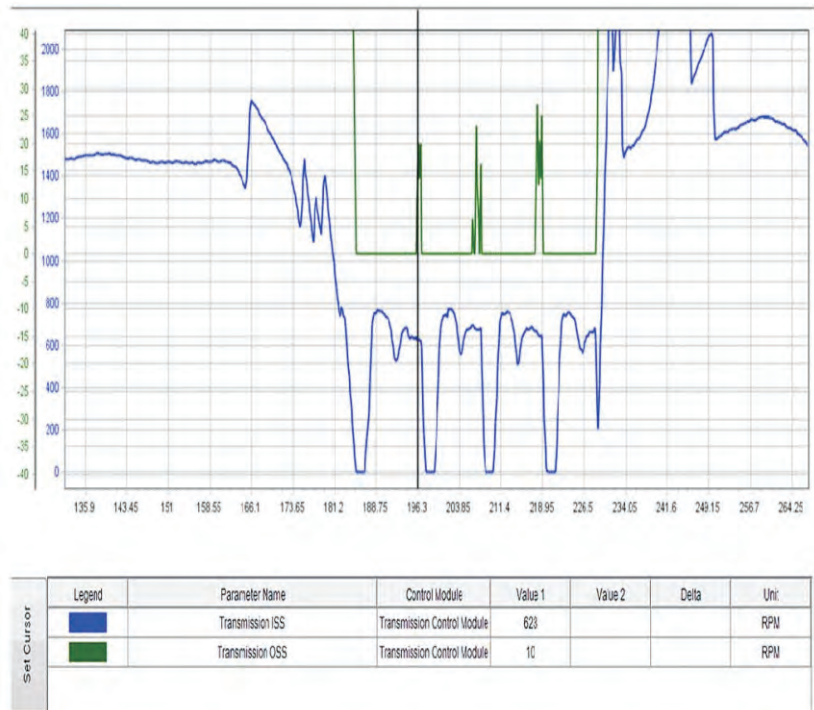
2012 - 2014 Chevrolet Sonic

2013 - 2014 Chevrolet Trax

2013 - 2014 Chevrolet Tracker

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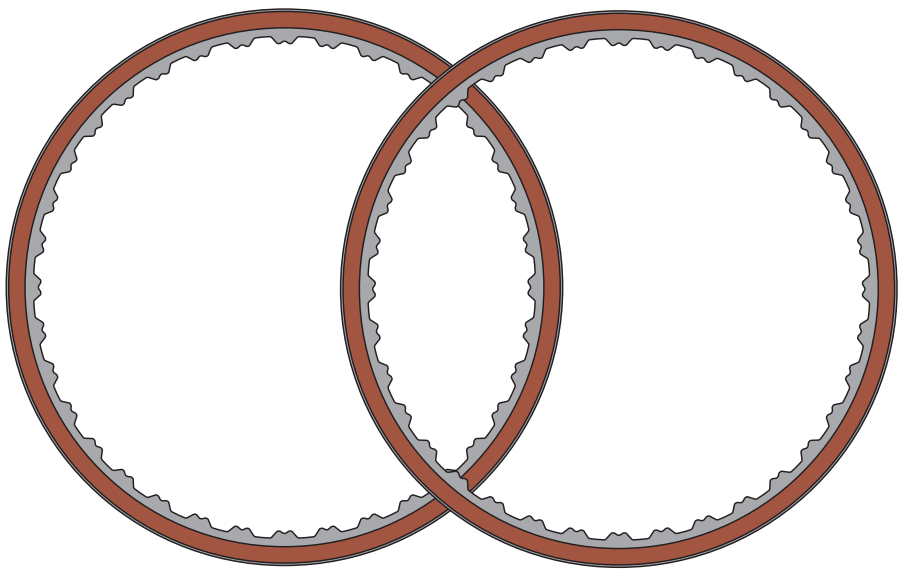
NEUTRAL IDLE BUMP WAVEFORM



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Figure 1

1-2-3-4 FRICTION PLATES PART NUMBER 24273076



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Figure 2