

## Corvette MR Calibrations: Key Messages

### **NEW! Corvette Magnetic Ride Control Calibrations**

Corvette Engineers have developed all new calibrations for owners of 2014 – 2016 Corvettes with Magnetic Selective Ride Control. Each calibration is independently tuned for its respective chassis; and include updates to Tour, Sport, and Track mode.

These calibrations improve ride quality and handling feel by utilizing the latest tuning strategies and features that debuted in the latest production Corvette MRC system. Where applicable, updated controller software is also included. These packages were rigorously developed and tested, ensuring all chassis system work together seamlessly. You will enjoy increased performance while maintaining your vehicle's warranty in a way that's only available from Chevrolet Performance.

### **Precision Damper Tuning**

The updated software features / calibrations include, but are not limited to, algorithms for independent compression and rebound calibration for front and rear dampers. This allows for precise control of heave, pitch, and roll under a wide variety of situations to fine tune the vehicle's response. The result is a stable and predictable chassis which maximizes the available tire grip on the track, improving balance and providing a more linear response to driver inputs. These same features also allow for improved impact isolation providing a comfortable ride in tour and sport mode for the street, particularly in low vehicle speed situations such as parking lots.

### **New Calibrations Are Available for the Following Models**

The new Magnetic Ride calibrations are available through Chevrolet dealers for MSRP \$350 installed and require no hardware changes. The new calibration is simply uploaded to the vehicle and the factory warranty is not affected.

- 2014-16 Stingray with Z51: New calibrations in Tour and Sport Modes
- 2016 Stingray (non-Z51): New calibrations in Tour Sport and Track Modes
- 2015-16 Z06 (non-Z07): New calibrations in Tour Sport and Track Modes
- 2015-16 Z06 with Z07 Performance Package: New calibrations in Tour Sport and Track Modes
- Calibrations for additional applications will be announce in Q4 2017

### **Enhancements in Tour, Sport and Track Modes**

- **Touring**
  - Significant improvements in impact isolation and integration.
  - Major upgrade in ride motions at all speeds. Much more balanced. Parking lot and low speed (25mph and less) the ride motions are more compliant and impact harshness is reduced.
  - Handling is more responsive and much more precise.
- **Sport**
  - Sport also has major improvements in impact isolation and integration. With these improvements, the new sport calibration is subjectively better than Touring with the stock calibration.
  - The ride motions are considerably more balanced and handling is significantly more precise.
  - Low speed and parking lot (less than 25mph) is more compliant and impact harshness is reduced.
- **Track Z06, Z06w/Z07**
  - Track mode is better balanced and response to driver inputs are more linear, much more linear near or at the limit.
  - Vehicle dynamics based on throttle response greatly improved.
  - During testing with a 2016 Z06, the new calibrations enabled more than a 1-second improvement in lap times around General Motors' 2.9-mile Milford Road Course.