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PrecisionBalance™ - Procedure for **PrecisionBalance** Application in Mudder Tires

There are a number of variables that contribute to vibration in “mudder” tires which need to be checked and taken into consideration when servicing these types of tires with **PrecisionBalance**.

Before the installation of **PrecisionBalance, please check the following.**

▶ PROPER DRIVE LINE ANGLE ▶ TIRE AIR PRESSURE ▶ LIFT KIT ▶ RUN-OUT OF TIRE ▶ RUN-OUT OF WHEELS

Any extreme side wall flex, tread ripple or lug pattern change (wheel adaptors) that may cause an acoustical vibration.

It is very important to check these items prior to the installation of **PrecisionBalance** for best results. These factors will play a role in the vibration of the vehicle and **PrecisionBalance** will not correct these conditions. REMA TIP TOP cannot guarantee results of eliminating vibration in all cases due to the many mentioned variables.

Note: Due to the size and tread design of some brands of mudder tires, there will be situations when a vibration will still exist after installing the product. Please be certain that you have installed the correct amount of **PrecisionBalance** based on REMA TIP TOP's application chart / phone app.

REMA TIP TOP suggests the following procedure to eliminate or reduce the vibration to an acceptable range.

1. Check tire/wheel assembly run out. Whenever possible, mount the tire on the wheel and spin the assembly on a balancer. This allows you to check both radial and lateral runout and the amount of vibration or imbalance in the tire and wheel assembly.
2. If tire and wheel assembly has an excessive amount of run out or imbalance, match mount the tire to the wheel by turning the tire on the wheel 180 degrees to minimize the runout.
3. After checking runout and imbalance, install the correct amount of **PrecisionBalance**. This can accomplish by injecting the product through a standard valve stem utilizing the **PrecisionBalance** Applicator Pump. If a TPMS Sensor is installed on the wheel assembly, you will need deflate the tire, separate the tire bead from the wheel flange, insert the **PrecisionBalance** bag into the tire and reflate to proper air pressure setting.
 - Please refer to the **PrecisionBalance** Application Pump Installation Instruction document on use of this device.
4. If an unacceptable vibration exists, add 1 oz. of **PrecisionBalance** per tire and then test drive vehicle. **PrecisionBalance** is not available in 1 oz. bag. Therefore, you will need to weigh out this amount using a scale. Before careful of not getting the product between the tire bead and wheel flange when adding additional **PrecisionBalance** upon seating the bead / inflating the tire when not using the **PrecisionBalance** Applicator Pump.
5. If an unacceptable vibration still exists:
 - Rotate tires to see if the vibration changes location. This will help determine if it is tire and wheel related or in the vehicle.
 - If the location of the vibration does not change after rotating tires, it is not the tire and wheel assembly causing the problem. Check for worn components on the vehicle. Refer to the **PrecisionBalance** Troubleshooting Guide for more information.