OPTIONS

1. Set DIP switches 1–3 as shown.
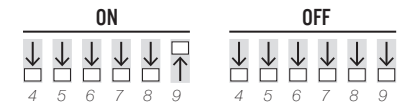
1 2 3 4 5 6 7 8 9

2a. Set switches 4–9 using the chart below.

FOG W/ HIGHS OFF

4 5 6 7 8 9

FOG W/ HIGHS ON

4 5 6 7 8 9
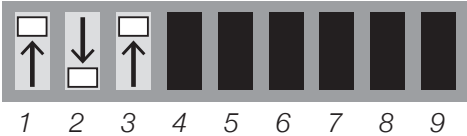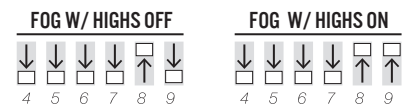
2b. **ONE-TOUCH LANE CHANGE**
Set switches 4–9 using the chart below.

ON

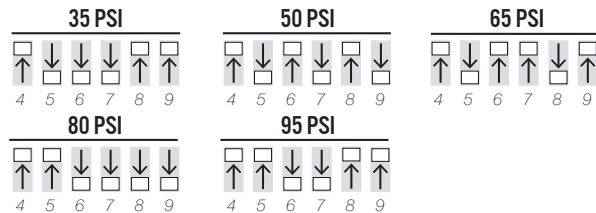4 5 6 7 8 9

OFF

4 5 6 7 8 9

LOW TIRE PRESSURE THRESHOLD

Adjust the Tire Pressure Monitoring System (TPMS) low tire pressure threshold values. It is critical that tires with the appropriate load ratings be used. Most tires will require the maximum cold inflated pressure to meet the load requirements of the Ram trucks. Tire load information can be found on the driver door and must be met or exceeded when using aftermarket tires and or wheels. Maximum Cold inflated pressure can be found on the sidewall of the tire. Program only this value or higher. Use this module to program in the maximum cold inflated pressure. The TPMS light will come on at ~80% under the recommended pressure. For a detailed description of TPMS functions please consult your vehicle Owner's Manual.
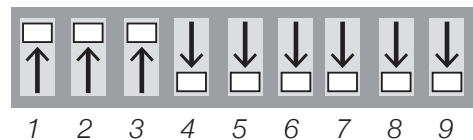
1. Set DIP switches 1–3 as shown.

1 2 3 4 5 6 7 8 9

2. Use the chart below to set switches 4–9.

35 PSI

4 5 6 7 8 9

50 PSI

4 5 6 7 8 9

65 PSI

4 5 6 7 8 9

80 PSI

4 5 6 7 8 9

95 PSI

4 5 6 7 8 9

DISABLING TPMS*

1 2 3 4 5 6 7 8 9

* Setting the TPMS to a disabled value is for diagnostic purposes only, see User Guide for details. This option may be restricted in some areas.

3.
Please note: A visit to your local Ram Dealership and use of the WiTech diagnostic tool is required to complete this procedure. Although your TPMS screen will show the new values, it will not "take" and stop blinking until your dealership completes the process by:

1. Using WiTech 1 or 2 (desktop application or web interface), access the Radio Frequency Hub (RFH) module.

2. Select the option to Program an Ignition FOBIK (Key).

3. Forward through the menus until you are asked for a PIN Number.

4. Enter that vehicle's PIN (the PIN is a unique 4-digit number based on your vehicle's VIN available through your dealer)

5. After entering a PIN, the application will ask you if it is correct, select Yes or Continue.

6. Close the Program FOBIK process. Do not continue with programming a key.

7. Return to the main menu of the WiTech program.

8. Access the "Diagnostic Procedures" page.

9. Select the RESET ECU function.

10. Follow the instructions and reset the Radio Frequency Hub (RFH) Module.

11. The Tire Pressure Inflation Value will now reflect with actual tire pressure; the vehicle may need to be driven a few miles before the changes are apparent.

• In order to recalibrate your Tire Pressure Monitoring System (TPMS), it is critical that tires and wheels with the appropriate load ratings be used. The vehicle load requirements are listed on the driver's door and must be met or exceeded when using aftermarket wheels and tires.

• Most tires will require the maximum cold inflated pressure to meet the load requirements of the Ram trucks.

• Use this module to program the Maximum Cold Inflated pressure listed on the side of the tire. The TPMS light will come on at ~80% under the recommended pressure. For a detailed description of TPMS functions please consult your vehicle Owner's Manual.

AEV

PROCAL

MODULE

QUICK REFERENCE GUIDE

PLEASE READ

Before any calibration can be done, the module will need to be paired to the vehicle. There is no process to un-pair the module, so be sure that you pair the module to the intended vehicle. The module can be used an infinite number of times in it's paired vehicle. Follow the steps below to pair the module to your vehicle.

1. Set the DIP switches as shown

   1 2 3 4 5 6 7 8 9
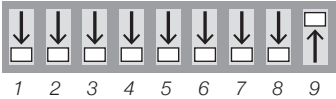
2. Turn the key to the RUN position

3. Insert the ProCal into the vehicles OBD port, the "BRAKE" light will flash fast.

4. Hold the brake pedal down for 5 seconds

5. When the module is paired the horn will honk three times quickly. If the module is already paired to this vehicle the horn immediately honk three times quickly

6. Once the module is paired, it can be used to calibrate vehicle settings.

The Reset function will revert the vehicles default settings to stock. It will NOT un-pair the module from the vehicle.
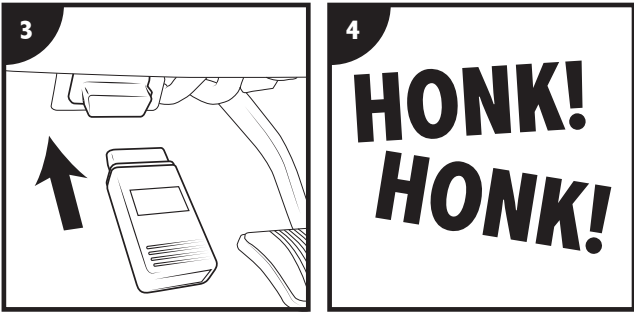
Set the DIP switches as shown to Reset.

   1 2 3 4 5 6 7 8 9

INSTRUCTIONS

1
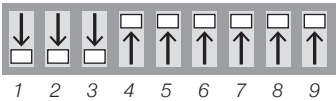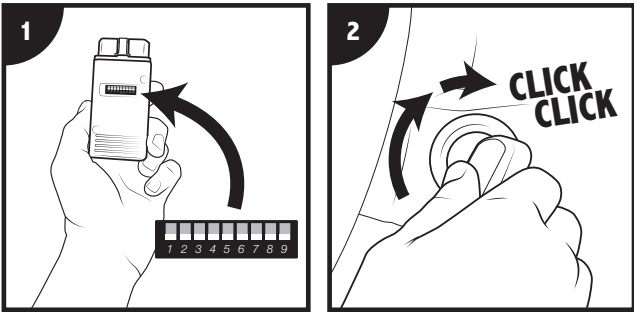
Set **all nine** DIP switches on the back of the ProCal using this Quick Reference Guide for the function you wish to program.

2

CLICK CLICK

Insert the key into the ignition * and turn TWO clicks to put the vehicle in the "run" position.

3

Insert the ProCal into your vehicle's OBD port.

4

HONK! HONK!

The vehicle's horn will sound twice when the program has been successful.

5
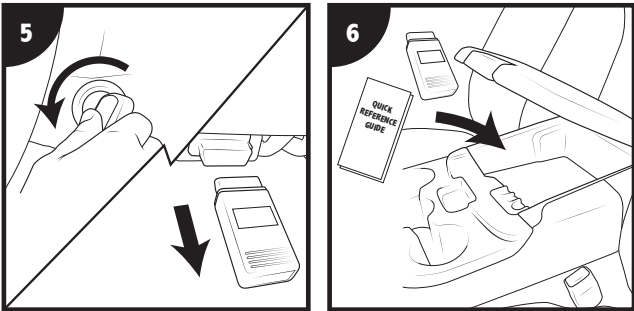
Turn the key to the "off" position then remove the ProCal from the OBD port.
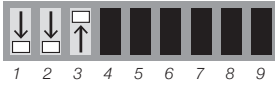
6

QUICK REFERENCE GUIDE

Just toss your ProCal and QRG into your center console or glove box for next time!

*****For Trucks equipped with Push Button Start:** Push the start button two times WITHOUT your foot on the brake. This will put the vehicle in the "run" position.

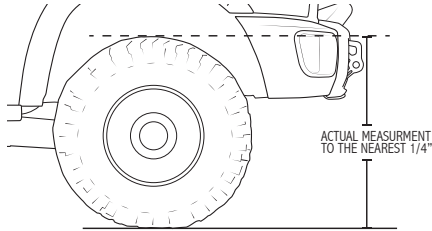# TIRE SIZE

1. Set DIP switches 1–3 as shown.

For 26—39" Tires:

   1 2 3 4 5 6 7 8 9

For 40—48" Tires:

   1 2 3 4 5 6 7 8 9

2.

ACTUAL MEASURMENT TO THE NEAREST 1/4"

———— . ————
   A   B

36.75" TIRE EXAMPLE:
A = 36 B = .75

3. Using the A value from step 1, use the chart below to set switches 4–7.

26	27	28	29
4 5 6 7	4 5 6 7	4 5 6 7	4 5 6 7
30	**31**	**32**	**33**
4 5 6 7	4 5 6 7	4 5 6 7	4 5 6 7
34	**35**	**36**	**37**
4 5 6 7	4 5 6 7	4 5 6 7	4 5 6 7
38	**39**	**40**	**41**
4 5 6 7	4 5 6 7	4 5 6 7	4 5 6 7
42	**43**	**44**	**45**
4 5 6 7	4 5 6 7	4 5 6 7	4 5 6 7
46	**47**	**48**	
4 5 6 7	4 5 6 7	4 5 6 7	

4. Using the B value from step 1, use the chart below to set switches 8 and 9.

.00	.25	.50	.75
8 9	8 9	8 9	8 9

AXLE RATIO

Programming axle ratio is only required after physically changing the gears in the differentials. There is no performance increase by adjusting this value to anything besides what the vehicle has physically installed. Programming the incorrect ratio will cause some vehicles to go into "Limp-In" mode.

1. Set DIP switches 1–3 as shown.

   1 2 3 4 5 6 7 8 9
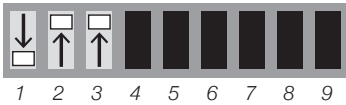
2. Set switches 4–9 using the chart below for the axle ratio physically installed in the vehicle.

3.21 : 1	3.42 : 1
4 5 6 7 8 9	4 5 6 7 8 9
3.55 : 1	**3.73 : 1**
4 5 6 7 8 9	4 5 6 7 8 9
3.92 : 1	**4.10 : 1**
4 5 6 7 8 9	4 5 6 7 8 9
4.30 : 1	**4.44 : 1**
4 5 6 7 8 9	4 5 6 7 8 9
4.56 : 1	**4.88 : 1**
4 5 6 7 8 9	4 5 6 7 8 9