To adjust the Speedometer and odometer on the late model Bronco. (Note: The module can only be reprogrammed six times.) First, get the tire revolution per mile, some manufacturers have this data on their web sites. Then multiply that by (gear ratio x 29) and divide by 8000. This end figure is your CONVERSION CONSTANT.
  Example.   597 x 132.24 and divide by 8000. = 9.86   so your constant would be 986.

Common tire sizes(bfg at.)(Always check your tires specs with the manufacturer)

31/10.50/15= 677
32/10.50/15= 656
33/12.50/15= 636
35/12.50/15= 599
37/12.50/17= 574

Common gear ratios

3.55x29= 102.95
3.73x29= 108.17
4.10x29= 118.9
4.56x29= 132.24
4.88x29= 141.52
5.13x29= 148.77

RESET CONVERSION CONSTANT

Locate the dealer mode programming enable single-terminal connector. The connector is located at the bottom of the instrument panel below the center of the glove box. On all vehicles, the dealer mode enable wire is Circuit 567(LB/Y). Insert a jumper wire or alligator clip in service wire and clip other end to vehicle ground with the key in the OFF postition.

Turn key to RUN while holding down the trip odometer RESET button on the speedometer. Release RESET button. The Speedometer will prove out(sweep across dial and back). The English/Metric and revision levels will be displayed. The last number of the display id the dealer mode lockout count. This count shows the number of allowable conversion constant changes remaining.

When the count is zero(0), no additional changes can be made to this instrument cluster. If a revision is required a service instrument cluster must be ordered. Press and release RESET button again and PSOM conversion constant without the decimal point will be displayed followed by the word CAL. Press and release the odometer SELECT button as many times as necessary to change the conversion constant to the correct value. Note: Pressing and releasing the RESET button to lock in the new conversion constant reduces the number of times the PSOM can be reprogrammed by one count. When the new correct value is displayed in the odometer window, press and release the RESET button to lock in the new conversion constant. Turn the key OFF and disconnect the ground wire and check to see that the speedo works correctly.