

P&A Compass Tips

Installation of the Compass Sensor Service Kit # 74633-02A

- Reference P&A Service Bulletin P-55A for details
- This service kits is only used on early (7/1/02 to 12/31/02) compass kits, p/n 74441-02
- All 74441-02A compass kits already have this new style sensor
- Installation of the sensor kit will only correct an earlier compass that freezes / locks at speeds over 10 mph, no other conditions will be impacted by installation of this kit

Proper Calibration Procedure

Technicians and customers have been questioning compass accuracy and experiencing difficulty with installation procedures. Technical Service and P&A Engineering have been working with dealers in an effort to resolve these issues. To date, all issues have been corrected and the majority were resolved using the proper calibration process. We would like to share some tips and clarify some of the procedures discovered during our investigation:

- Review the entire procedure before beginning
- All operations must be completed within the specified times
- Metal objects in the saddlebag (i.e.: tool kits) will cause calibration issues, remove all ferrous metal from the right saddlebag
- Driving in Circles
 - Circles must be at least 30 feet in diameter
 - Consistent speeds and size in both directions
 - Level ground clear of obstructions and interference
 - Vehicle must be kept level, lean angle will negatively impact the procedure
- The addition of accessories made from ferrous metal or containing electronics added to the rear of the vehicle may require a re-calibration procedure to be performed
- A quick reference chart has been included as a job aid for future installations (see page 2)

Diagnostic Tips

Symptom	Cure
Spinning Gauge	1. Re-Calibrate
Inaccurate Readings Toggles Zones	1. Re-Set the zone. 2. Verify it is not environmental or related to the area. 3. Verify it is not due to vehicle lean angle.
Won't enter calibration mode Won't enter zone selection	1. Check the rocker switch operation and condition. 2. Verify correct wiring - all wiring (especially the ground) must be connected through the accessory circuit as instructed in the I-Sheet. 3. If other accessories are connected to the accessory switch disconnect them and re-check compass operation with the circuit isolated.

Tech Tips #57 - October 06, 2003

