

Halderman: Some additional options that may be popular in the future include:

1. **Trailer towing transmission control** – Many pickup trucks and sport utility vehicles are used to tow a trailer. Many vehicle manufacturers are now providing a button to push when towing that programs the automatic transmission to shift at a higher vehicle speed to cope with the added weight of a trailer.



Caption: A trailer towing icon on the dash indicates the driver has selected the trailer towing mode.

2. **Backup sensors** – Many vehicles are equipped with backup sensors or have them available as an option. These ultrasonic sensors (4 to 6) are embedded in the rear bumper and signal a three-light display, usually located inside the vehicle above rear window. A chime will sound and a warning lamp will light if the vehicle is within six

feet of an object. The display will flash and the chime will become continuous if the object is closer than 12 inches.



Caption: The dimples in the rear bumper are actually ultrasonic sensors.

3. **Headlight control cameras** – Some vehicles, such as certain Cadillac models, offer automatically dimming headlights. This system uses a special camera mounted inside at the top of the windshield that detects on-coming headlights. The camera is able to distinguish taillights and street lights, and will switch the headlights to low beam if an on-coming vehicle is detected or taillights from a vehicle in front are detected.



Caption: The forward-facing camera (below the rain sensor) is used to control high-beam headlights.

4. **Adjustable pedals** - This feature allows the driver to move both the accelerator pedal and brake pedal together as an assembly closer or further away from the driver. This feature is particularly helpful for shorter drivers so that a proper driving position can be achieved, away from the airbag and still allow proper operation.



Caption: Adjustable pedals allow short drivers to position themselves away from the airbag.