“F” in Gear Display and/or Vehicle Performance Issue

In the event there is an “F” in the gear display with no change in vehicle performance, continue to drive the vehicle.

- OR -

In the event there is an “F” in the gear display and/or a change in the vehicle performance:

1. Continue to drive the vehicle to a safe location before selecting “N” NEUTRAL. **Important:** Once “N” NEUTRAL is selected, a gear engagement may not be allowed.
2. When it is safe to do so, stop the vehicle.
3. Place the transmission shift lever in “N” NEUTRAL and turn the ignition key to the Off position.
4. Wait at least 2 minutes.
5. Restart the engine.
6. If the problem continues and the vehicle is inoperable, contact a service facility to have the vehicle and transmission system evaluated.

Unloaded Operation

1. Apply the service brake and bring the vehicle at a complete stop. **Note:** If the service brake is not applied while selecting a starting gear, the initial start gear will not engage, requiring the driver to select “N” NEUTRAL mode and apply the brake while selecting the desired mode.
2. Switch the AT-1202 shift valve into High position.
3. Select “D” DRIVE mode on the shift selector with the AT-1202 shift valve in High position. The transmission automatically determines the start gear based on the previous launch.
4. Release the service brake and apply the accelerator. **Important:** If the driver presses and holds both the accelerator and service brake pedals (even if done accidentally), the launch will be abrupt and the engine and brake forces may rock and bounce the vehicle. Allow the Hill Start Aid to hold the vehicle while moving foot from the service brake to the accelerator.
5. The transmission automatically performs all upshifts and downshifts.
Loaded Operation (Launching On Grades Less Than 10%)

1. Apply the service brake and bring the vehicle at a complete stop.
   **Note:** If the service brake is not applied while selecting a starting gear, the initial start gear will not engage, requiring the driver to select “N” NEUTRAL mode and apply the brake while selecting the desired mode.

2. Switch the AT-1202 shift valve into High position.

3. Select “D” DRIVE mode on the shift selector. The transmission automatically determines the start gear based on the previous launch.

   **Important:** If launching on grades greater than 10%, follow the Launching On Grades Greater Than 10% section.

4. Release the service brake and apply accelerator.

   **Important:** If the driver presses and holds both the accelerator and service brake pedals (even if done accidentally), the launch will be abrupt, and the engine and brake forces may rock and bounce the vehicle. Allow the Hill Start Aid to hold the vehicle while moving foot from the service brake to the accelerator.

5. The transmission automatically performs all upshifts and downshifts.

Loaded Operation (Driving on Grades Less Than 10%)

1. AT-1202 shift valve position can be in High or Low, based on the prior launching conditions.

   **Important:** If launching on grades greater than 10%, follow the Launching On Grades Greater Than 10% section.

   **Important:** If launching on grades less than 10%, follow the Launching On Grades Less Than 10% section.

2. Select “D” DRIVE mode on the shift selector. The transmission automatically determines the start gear based on the previous launch.

3. The transmission automatically performs all upshifts and downshifts.

Loaded Operation (Driving on Grades Greater Than 10%)

1. AT-1202 shift valve position can be in High or Low, based on the prior launching conditions.

   **Important:** If launching on grades greater than 10%, follow the Launching On Grades Greater Than 10% section.

   **Important:** If launching on grades less than 10%, follow the Launching On Grades Less Than 10% section.

2. Select “M” MANUAL mode on the shift selector.

3. Using the Upshift button, select the desired start gear appropriate for the grade and load.

   **Important:** The start gears available in “M” MANUAL mode are unrestricted. Manual selection of a start gear that is too high for the vehicle conditions can cause damage to the drivetrain.

4. Release the service brake and apply the accelerator.

   **Important:** During the launch if the vehicle vibrates and engine RPM is lowered below the idle speed, then the start gear selection is too high. Stop the vehicle and select a lower gear.

   **Important:** If the driver presses and holds both the accelerator and service brake pedals (even if done accidentally), the launch will be abrupt and the engine and brake forces may rock and bounce the vehicle. Allow the Hill Start Aid to hold the vehicle while moving foot from the service brake to the accelerator.

5. Once the vehicle reaches grades less than 10%, follow the Driving On Grades Less Than 10% section. If conditions allow, and a higher vehicle speed is desired, the vehicle can be stopped and launched with the AT-1202 shift valve in High position. Follow the Launching On Grades Less Than 10% section.