



Workman[®] HDX- Auto Harsh Driveline Engagement

Product: Workman[®] HDX-Auto

September 18, 2017

Affected Units:

Models:

Serial Numbers:

Workman HDX-Auto

07390/H/TC

314000001-499999999

Situation:

There have been reports of harsh driveline engagement including abrupt clutch engagement upon acceleration, rear tire spin and grinding noises during gear selection on the Workman HDX-Auto Units.

This utility vehicle uses a Constant Velocity Transmission commonly referred to as a CVT. A drive clutch located on the engine crankshaft and a driven clutch located on the transmission gearbox connected by a cogged drive belt. When a gear on the transmission is selected, the clutch belt movement is transmitted from the transmission to the rear wheels through the gearbox. The engine RPM is critical to smooth engagement as well as gear selection in the transmission. The vehicle must **NOT** be in motion when selecting a gear or range in the transmission. This will prevent potential harsh engagement and transmission grind. **Note:** This is not a fluid based automotive style transmission with torque converter. Slight gear noise and clunking can be considered normal as the transmission is shifted from Park to Reverse or Drive and upon initial movement or change in direction.

Instructions:

Verify engine idle RPM while engine is at operating temperature per manufacturers specifications listed below. For proper gear selection, make certain unit is at idle, NOT in motion or under adverse load when selecting from park or changing vehicle direction.

2014-2015 Model year units shall be set at 1,100 ± 50 RPM. **Note:** If unit has had clutch replacement P/N 132-6780 and 132-6785 unit shall be set to 1,300 ± 50 RPM.

2016+ Model year units shall be set at 1,300 ±50 RPM

Note: Idle speed adjustment screw is located behind intake just below intake dome. Turning screw clockwise will increase rpm.

If vehicle still has a harsh engagement, or is experiencing grinding gears and difficult gear selection, it is recommended to contact your Toro Commercial Distributor to have a qualified Toro Service Technician diagnose this concern.

Please contact your local Toro Commercial Products Distributor for all details on this issue. Please reference Commercial Products Service Bulletin Vehicles #09-24, "HDX – Auto Harsh Driveline Engagement" dated September 8, 2017 when making your inquiry.