

# **DRIVE BELT FAILURES**

## **Hour Glassing**

**Description:** A narrow or worn section in the center of the belt.

<u>Cause:</u> When the drive clutch is spinning and the belt remains stationary. <u>NOT WARRANTIED</u>



<u>Flex Crack</u> <u>Cause:</u> The belt was bent/flexed improperly. <u>NOT WARRANTIED</u>



Tearing

**Description:** The drive belt appears to have hit something and is starting to tear or has torn.

<u>Cause:</u> Worn or damaged clutches causing the clutches not to shift properly. Excessive use of brakes or jumping. The belt will bow and can catch the inner clutch housing. <u>NOT WARRANTIED</u>



#### **Broken Belt**

<u>Cause:</u> Shock loading the belt will cause breakage as shown below. Driving at high speeds (overdrive) for long periods of time. Excessive engagement RPM. Improper gear ratio, clutch center-to-center distance. Jammed or locked drivetrain. <u>NOT WARRANTIED</u>



## Cord Pop Out

**Description:** When the center cord separates from the belt.

Cause: Improper bonding. WARRANTIED



Glazing

**Description:** The sides of the belt look shiny and overheated.

<u>Cause</u>: Belt slippage, overheating from improper clutching and/or abuse. <u>NOT WARRANTIED</u>



<u>Delamination</u> <u>Description:</u> Separation of the belt layers. <u>Cause:</u> Improper bonding of the belt layers. <u>WARRANTIED</u>



## Disintegration

Description: The drive belt has separated into pieces

<u>Cause:</u> Can be caused by different belt conditions such as hour glassing, glazing, flex cracks or misalignment. Plugged or restricted air intake to clutch housing.

Excessive heat build up is the main cause of Disintegration.

NOT WARRANTIED



