



SDD 20T GEAR REPLACEMENT

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SDD 20T GEAR REPLACEMENT

Document Updates

June 23 2009 Original
Oct 30 2009 Added ORIGIN 20T gear to kit in addition to IDA
Oct 31 2009 Updated kit part number to 06100-00211
Nov 4 2009 Update part numbers

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PURPOSE

This guide covers the steps for replacing the 2 (two) 20T Spur Gears, and Lever Contra on your SDD with a new one. This overcomes some hesitant feed and or feed failure issues.

SCOPE

These procedures apply to all VERIFIED TRITON TRAINED service personnel involved in the process of maintaining or converting Triton ATMs.

APPLICATION

This conversion kit applies to all models of Triton ATMs using the SDD dispenser mechanism. The dispensers affected have serial numbers 200744-211271. The kit used is fully backward compatible with existing dispensers. Contact Triton Technical Support for further verification.

REQUIRED PARTS AND TOOLS

TOOLS REQUIRED	Eye glass (magnifier)/ Clip tool (4mm)/Small flat tip screwdriver (clip removal)
KIT 06100-00211 or 06100-08200	SDD 20T Gear Replacement Kit

PART NUMBER	DESCRIPTION	QTY
04003-00211 or 04003-00290	Bag with the following parts	1
04003-00088 04003-00288	Lever Contra Indexing D/A	1
04003-00086 04003-00286	Gear Spur 20T	2
04003-00206 04003-00206	Circlip Ext Shaft 6.0	3
07013-00197	SDD 20T Gear Replacement manual	1
	(available on line)	



NOTE:

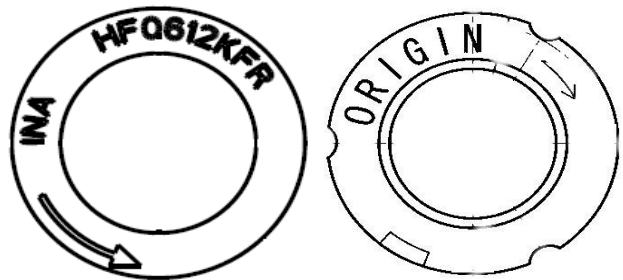
Care must be taken in the handling of the new gears, and attention to gear orientation during assembly.

SECTION 1

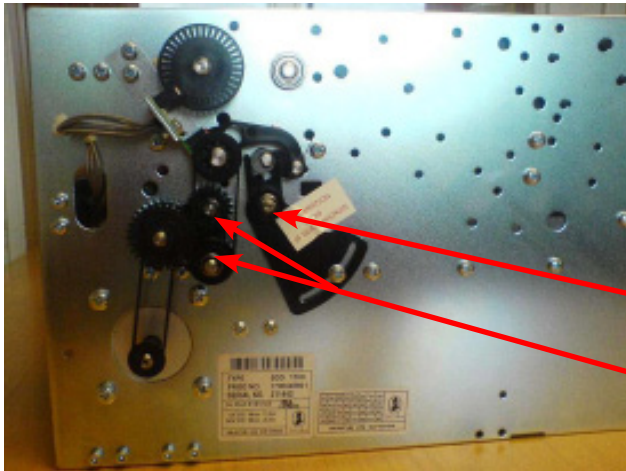
REMOVAL PROCEDURE

INSPECTION

- The Clutch roller on the Lever Contra and the 2 (two) 20T gears **MUST** have the following identification (INA HF0612KFR) or (Origin). If **not** then inform Triton Technical Support to obtain replacements.



NOTE: The **ORIGIN** clutch marks the **rotating direction** with the arrow, The **INA** clutch marks the **locking direction**.



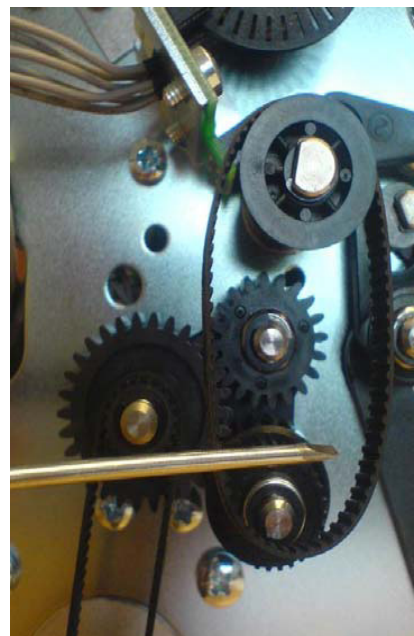
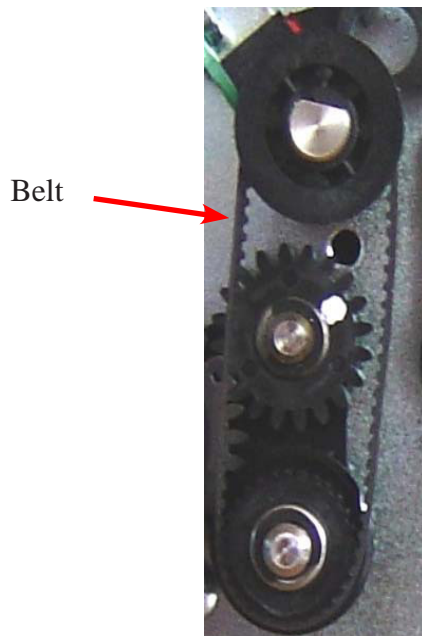
Areas of inspection:

Lever Contra

2 (two) 20T gears
(1 is under the pulley gear)

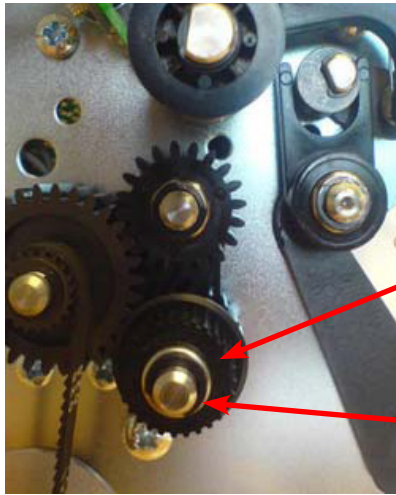
REMOVAL OF THE GEARS

- Gently remove the Belt starting from the lower Gear, this can be done by hand, the screwdriver in the photo is used as an indicator.



SDD 20T GEAR REPLACEMENT

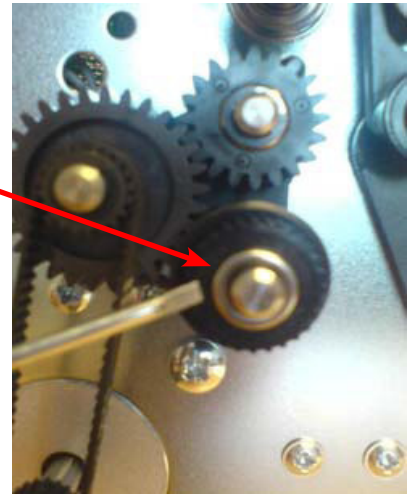
- Remove the pulley gear from the shaft, using a small flat screwdriver to pry off C-clip #1, as shown. Retain the pulley gear for reinstallation.



Pulley Gear

C-clip #1

C-clip #1
Removed



- Using a small flat screwdriver, pry off C-clip #2, and then remove the 2 (two), Gear Spur 20T 's from their shafts on the machine as shown.



C-clip #2

Removing
gear #1



C-clip #2

Gear #1
Removed



Gear #2
Removed

SDD 20T GEAR REPLACEMENT

REMOVAL OF THE LEVER CONTRA

- Remove C-clip #3 from the Lever Contra and remove the Lever Contra from the shaft.



C-clip #3



Lever Contra



Removed

- Ensure the Lever Contra and the 2 (two) Gear Spur T20's are scrapped. **DO NOT** be tempted to retain these as spare parts.

REPLACEMENT PROCEDURE

NOTE:

- The text on the bearings should be facing outwards so it can be read during installation.

REPLACE LEVER CONTRA AND GEAR SPUR 20T

- The new parts are marked with a WHITE DOT. Ensure that the dot is facing outwards upon reassembly.
- Using the eye glass magnifier, ensure that the Lever Contra and 2 (two) Gear Spurs 20T's have INA HF0612KFR or ORIGIN written on the bearing, and a white dot affixed. Be sure to place them on the shafts facing outwards.

Replacement is the reverse of removal.

- Install Lever Contra and C-clip #3
- Install 2 (two) Spur Gear 20T's and C-clip #2
- Install pulley gear and C-clip #1
- Install belt



C-clip installation tool (typical)