

# COUNTAX™

## SERVICE BULLETIN

07- T8. 04

**DATE:** 30 June 2007

**MODELS CONCERNED:** X & W Series

**CONCERN:** Electric Clutch Shaft

**SERIAL NUMBER:** All X & W Series

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Following a concern with the clutch assembly procedure there has been a change to the Electric Clutch assembly on the X & W Series.

A new clutch shaft will replace the stepped one. To identify the different levels of components, please note the following.

- Where a stepped shaft is fitted there will be an M10 Hexagonal fixing bolt in the bottom of the clutch shaft assembly.
- Where the straight shaft is fitted then there will not be a bolt in the bottom of the clutch shaft.

When the stepped shaft clutch assembly is correctly assembled it should give no service problems. When servicing or checking the clutch assembly and to ensure extended life please follow the instructions below.

1. Remove the cutter deck (refer to the operators manual for full details on how to remove the cutter deck) and store safely.
2. Remove the Deck Lift Tongue Plate by undoing the 4 M8 nuts and bolts (2 each side) to improve access to the bottom of the clutch assembly.
3. Release the belt tension on the Engine to clutch belt jockey pulley by moving the over centre lever on the clutch plate.
4. Disconnect the wires to the electric clutch and undo the Clutch-retaining bracket.
5. Loosen the top clutch bolt (Item 1) and the bottom Hexagonal fixing bolt as well.
6. Fully tighten the Hexagonal fixing bolt after applying Loctite to the threads (75Nm)  
**NOTE: IF THIS BOLT IS NOT TIGHTENED UP BEFORE THE TOP ONE, THE CLUTCH ASSEMBLY CAN COME UNDONE.**
7. Fit the Top bolt and Washer and torque the assembly to 75Nm.
8. Re fit the Deck Drive Belt, Clutch Stop, Clutch wires and Engine to Electric Clutch belt. Re tension the Jockey pulley by using the over centre lever.
9. Fit the Deck Lift Tongue Plate and re fit the cutter Deck.
10. Run the Machine up and ensure the Clutch assembly is working correctly.

## **New Assembly from Serial Number 70525.....**

In order that we eliminate any further issues with the clutch assembly we have introduced a straight shaft arrangement into production. (Please see below) The new arrangement has a single bolt fixing.

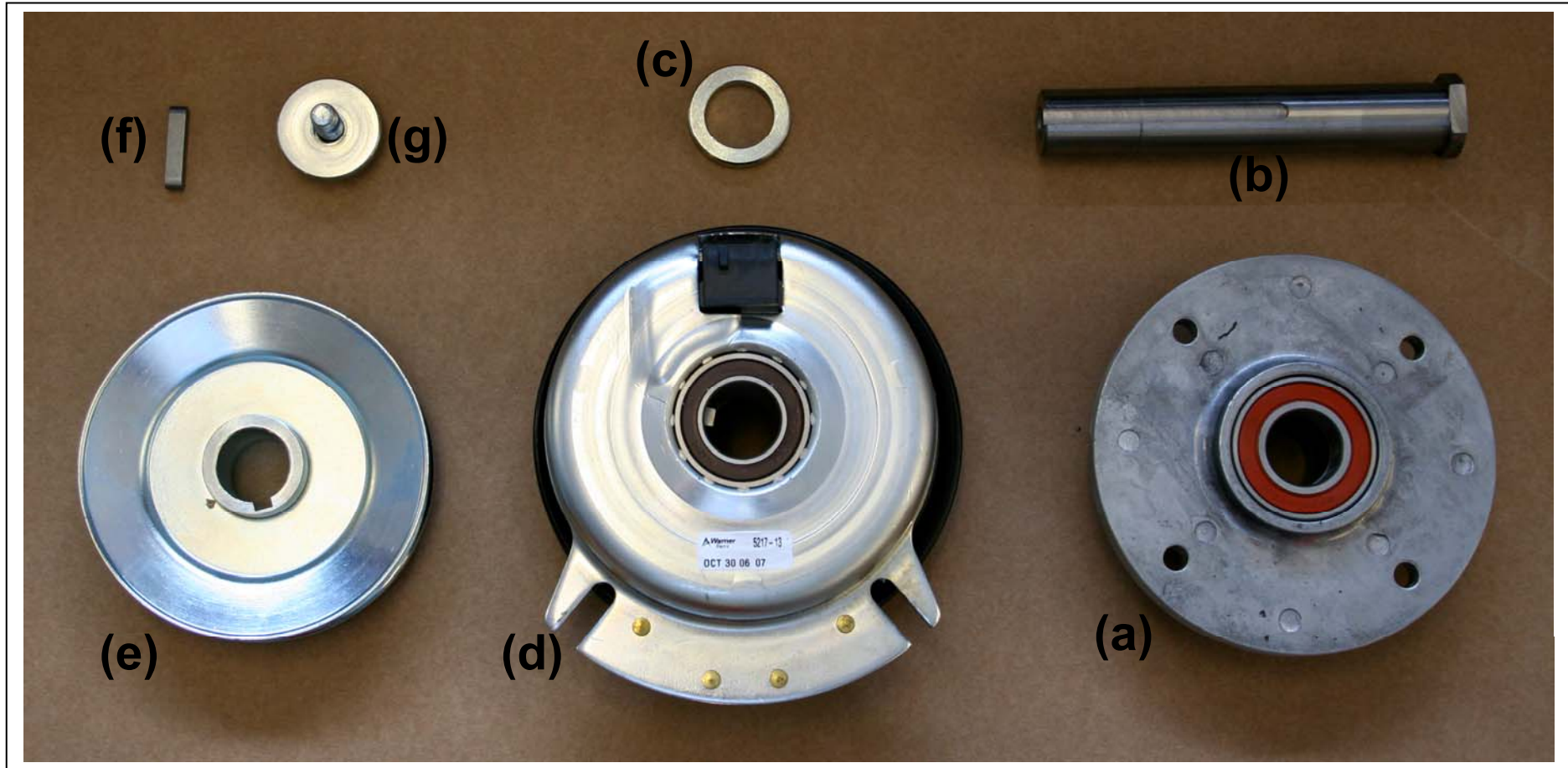
If a replacement shaft (a) is required then the bearing housing (a) will also require replacement.

1. Remove the cutter deck (refer to the operators manual for full details on how to remove the cutter deck) and store safely.
2. Remove the Deck Lift Tongue Plate by undoing the 4 M8 nuts and bolts (2 each side) to improve access to the bottom of the clutch assembly.
3. Release the belt tension on the Engine to clutch belt jockey pulley by moving the over centre lever on the clutch plate.
4. Disconnect the wires to the electric clutch and undo the Clutch-retaining bracket.
5. Undo the top clutch bolt (Item 1) and if working on a stepped shaft assembly, the bottom Hexagonal bolt as well. Remove the shaft and clutch assembly.

To re-assemble:

1. Slide the shaft (a) into the new bearing housing (b) with the keyway uppermost.
2. Place the spacer ring (c) on top of the Bearing housing and then slide the Electric Clutch (d) onto the shaft.
3. Slide the pulley (e) onto the shaft with the small boss uppermost and fit the key.
4. Fit the hexagonal bolt after applying Loctite to the threads and tighten (75Nm)
5. Install clutch and pulley assembly into the chassis and secure correctly.
6. Re fit the Deck Drive Belt, Clutch Stop, Clutch wires and Engine to Electric Clutch belt. Re tension the Jockey pulley by using the over centre lever.
7. Fit the Deck Lift Tongue Plate and re fit the cutter Deck.
8. Run and Test

Please contact COUNTAX Service Department for any further information



	<b>Part Number</b>	<b>Description</b>
a	10900300	Bearing Housing
b	183029803	Shaft
c	18320100	Spacer
d	44936100	Electric Clutch
e	20869502	Pulley
f	09830600	Key
g	018002300 & 183029701	M10 x 50mm Socket Head Cap Screw & Washer

As precautionary measures make sure the clutch bolt (M10 x 50mm socket head Bolt 018002300) is fully located in the shaft by screwing the bolt in with your fingers. It should screw in all the way to the head, before finally fitting the shaft to the machine. Final tightening torque should be 60ibft.