

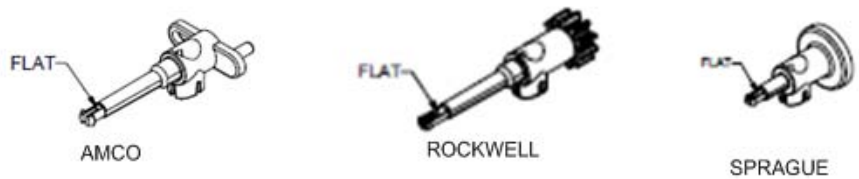
Residential Direct-mount Gas Meter Transponder (DGT) Replacement Drive Shaft Assembly Instructions

General

On occasion the drive shaft assembly in a DGT needs replacement. This document covers the installation of a new replacement drive shaft assembly for a variety of DGT's.

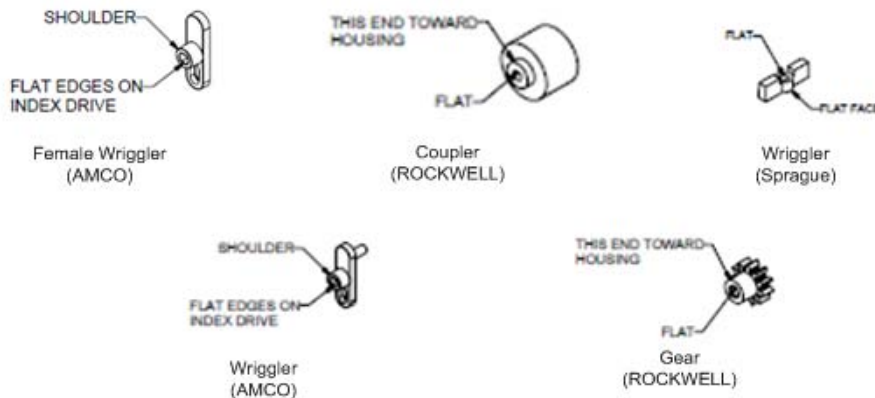
Replacement Drive Shaft Assembly Kit

Drive shaft assembly kits are specific to each type of DGT. The appropriate Drive Shaft Assembly kit must be ordered and used depending on the type of DGT. A replacement drive shaft assembly kit comes in two pieces. One piece being the Drive Shaft with magnet, which can come in three variations, and the other piece being either a wriggler, coupler, or gear depending the on the DGT type.



Drive Shaft Variations

Figure 1.



Wiggler/Coupler/Gear Variations

Figure 2.

Replacement Drive Shaft Assembly Kit Part Numbers

The following table identifies each transponder type with the associated drive shaft replacement kit, drive shaft and wiggler/coupler/gear part number.

Table 1-1. DGT Types and Associated Drive Shaft Assemblies

Transponder Description	Transponder Part Number	Drive Shaft Replacement Kit Part Number	Drive Shaft Part number	Wiggler/coupler/gear Part number
AMCO Gen 5	52870G100	52870G103	52870P120	52870P115
AMCO 5B 1ft Gen 5	52870G140	52870G143	52870P120	52870P140
Rockwell Gen. 5	52870G200	52870G203	52870P220	52870P002
Rockwell 415	52870G230	52870G233	52870P255	52870P254
Rockwell MR – 5,8,9	52870G240	52870G243	52870P245	52801P008
Rockwell MR-12	52870G245	52870G248	52870P245	52870P254
Sprague Gen 5	52870G300	52870G303	52870P320	52803P002

Drive Shaft Installation

AMCO DGT PN: 52870G100

1. For AMCO DGT 52870G100 obtain Replacement Shaft/Magnet w/ Wiggler Kit # 52870G103.



Figure 3.

2. Check the drive shaft (2) for presence of a magnet (3). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

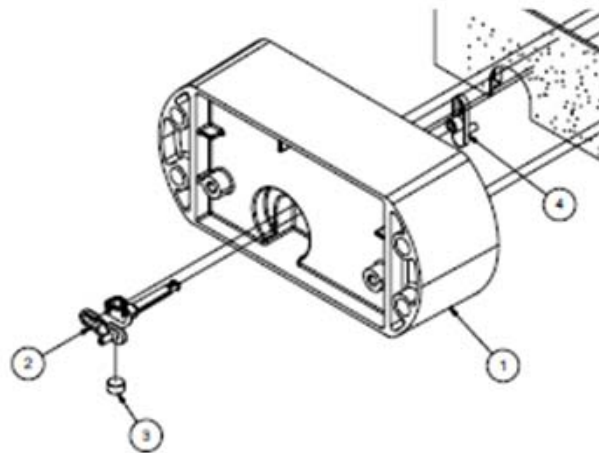


Figure 4.

3. Push the shaft (2) through the housing (1). The shaft should protrude through the housing.

4. Align the flat edges of the shaft (2) with the flat edges on the wiggler (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the wiggler must point toward the housing (1).

Note: Do not reuse wiggler or shaft if disassembled after initial assembly.

AMCO 5B DGT PN: 52870G140

1. For AMCO 5B DGT 52870G140 obtain Replacement Shaft/Magnet w/ Wiggler Kit # 52870G143



Figure 5.

2. Check the drive shaft (2) for presence of a magnet (3). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

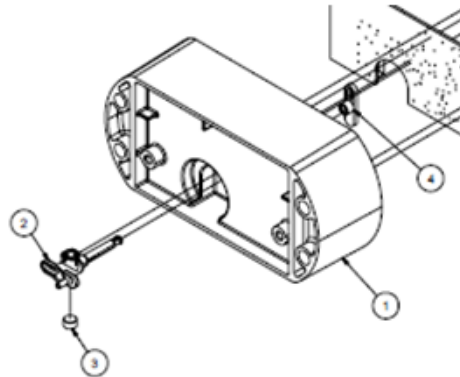


Figure 6.

3. Push the shaft (2) through the housing (1). The shaft should protrude through the housing.
4. Align the flat edges of the shaft (2) with the flat edges on the female wiggler (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the female wiggler must point toward the housing (1).

Note: Do not reuse wiggler or shaft if disassembled after initial assembly.

ROCKWELL DGT PN: 52870G200

1. For ROCKWELL DGT 52870G200 obtain Replacement Shaft/Magnet w/ Coupler Kit # 52870G203



Figure 7.

2. Check the drive shaft (2) for presence of a magnet (1). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

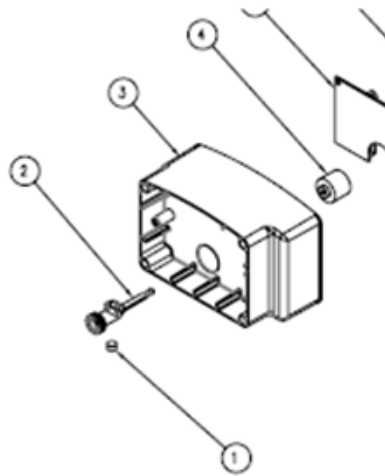


Figure 8.

3. Push the drive shaft (2) through the housing (3). The shaft should protrude through the housing.
4. Align the flat edges of the shaft (2) with the flat edges on the coupler (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the coupler must point toward the housing (3).

Note: Do not reuse wriggler or shaft if disassembled after initial assembly.

ROCKWELL 415 DGT PN: 52870G230

1. For ROCKWELL 415 DGT 52870G230 obtain Replacement Shaft/Magnet w/ Coupler Kit # 52870G233



Figure 9.

2. Check the drive shaft (2) for presence of a magnet (3). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

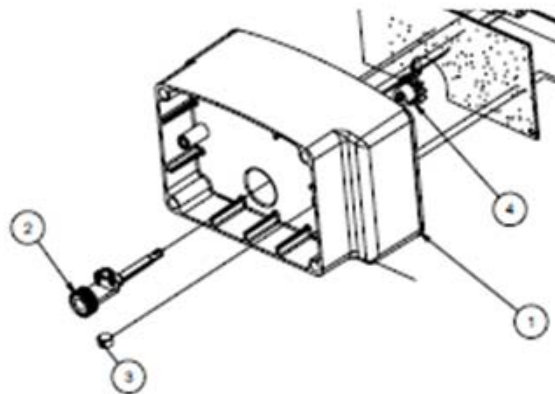


Figure 10.

3. Push the shaft (2) through the housing (1). The shaft should protrude through the housing.

4. Align the flat edges of the shaft (2) with the flat edges on the gear (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the gear must point toward the housing (1).

Note: Do not reuse wriggler or shaft if disassembled after initial assembly.

ROCKWELL MR-5, 8, 9 DGT PN: 52870G240

1. For ROCKWELL MR-5, 8, 9 DGT 52870G240 obtain Replacement Shaft/Magnet w/ Coupler Kit # 52870G243



Figure 11.

2. Check the drive shaft (2) for presence of a magnet (1). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

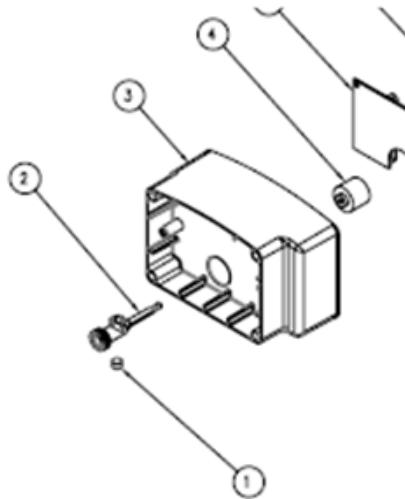


Figure 12.

3. Push the shaft (2) through the housing (3). The shaft should protrude through the housing.
4. Align the flat edges of the shaft (2) with the flat edges on the coupler (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the coupler must point toward the housing (3).

Note: Do not reuse wriggler or shaft if disassembled after initial assembly.

ROCKWELL MR-12 DGT PN: 52870G245

1. For ROCKWELL MR-12 DGT 52870G245 obtain Replacement Shaft/Magnet w/ Coupler Kit # 52870G248



Figure 13.

2. Check the drive shaft (2) for presence of a magnet (3). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

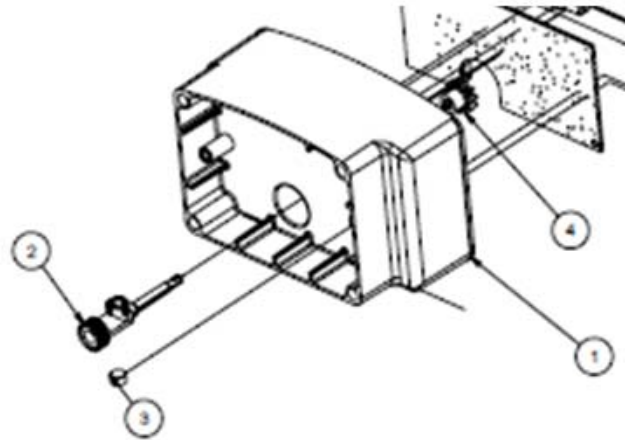


Figure 14.

3. Push the shaft (2) through the housing (1). The shaft should protrude through the housing.
4. Align the flat edges of the shaft (2) with the flat edges on the gear (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the gear must point toward the housing (1).

Note: Do not reuse wriggler or shaft if disassembled after initial assembly.

SPRAGUE DGT PN: 52870G300

1. For SPRAGUE DGT 52870G300 obtain Replacement Shaft/Magnet w/ Coupler Kit # 52870G303



Figure 15.

2. Check the drive shaft (2) for presence of a magnet (3). If magnet is not pushed into shaft do not use drive shaft. Acquire a drive shaft that contains a magnet.

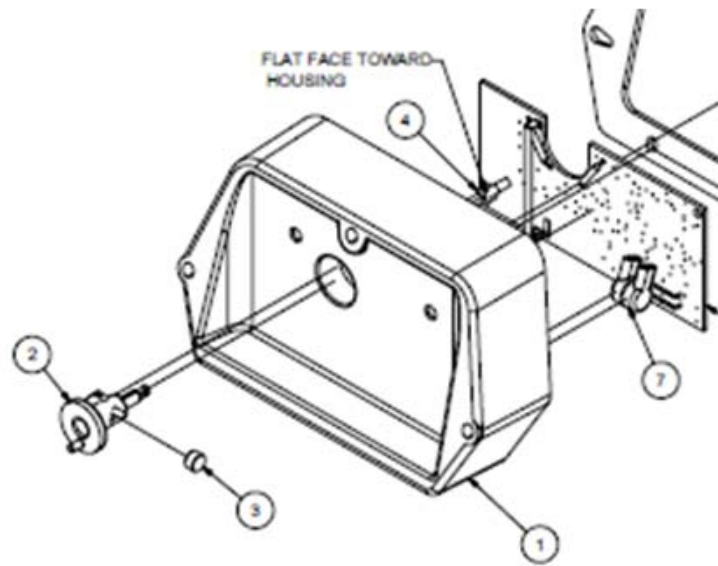


Figure 16.

3. Push the shaft (2) through the housing (1). The shaft should protrude through the housing.
4. Align the flat edges of the shaft (2) with the flat edges on the gear (4) and press in place. There should be an audible "Click" when the snap is fully engaged. The shoulder of the gear must point toward the housing (1).

Note: Do not reuse wriggler or shaft if disassembled after initial assembly.

Notes

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