### SERVICE PARTS LIST

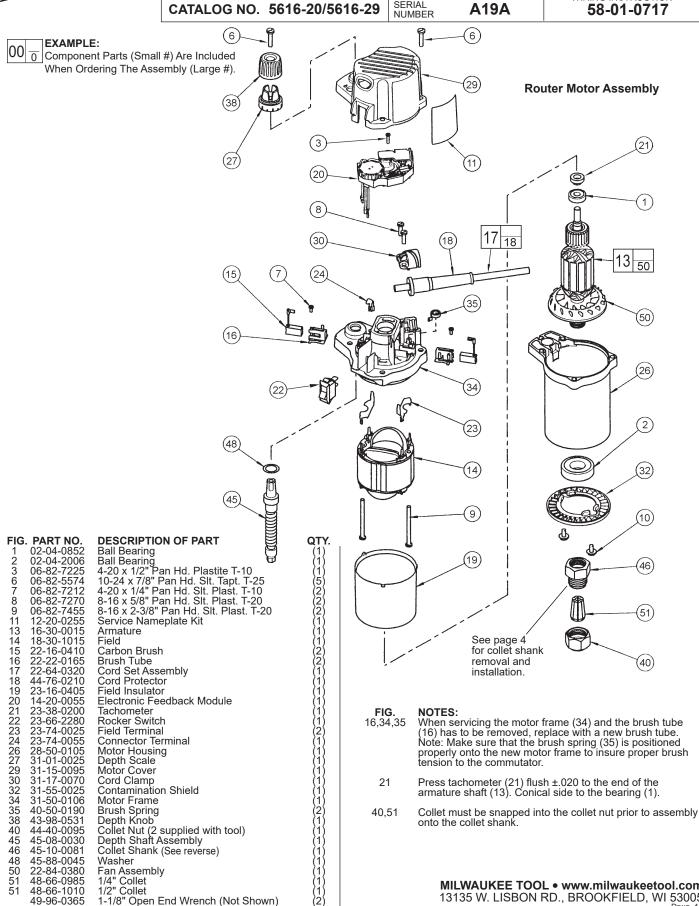
#### **BULLETIN NO.** 54-37-0225

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS 2.25 MAX. H.P. BODY GRIP ROUTER w/ ELECTRONICS REVISED BULLETIN

DATE June 2020

58-01-0717

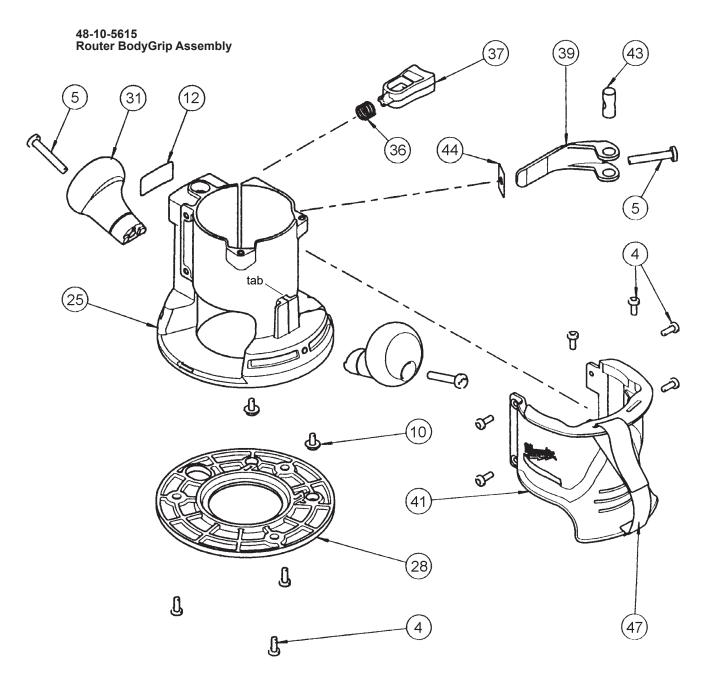




49-96-0370

T-Handle Depth Adjustment Wrench (Not Shown)

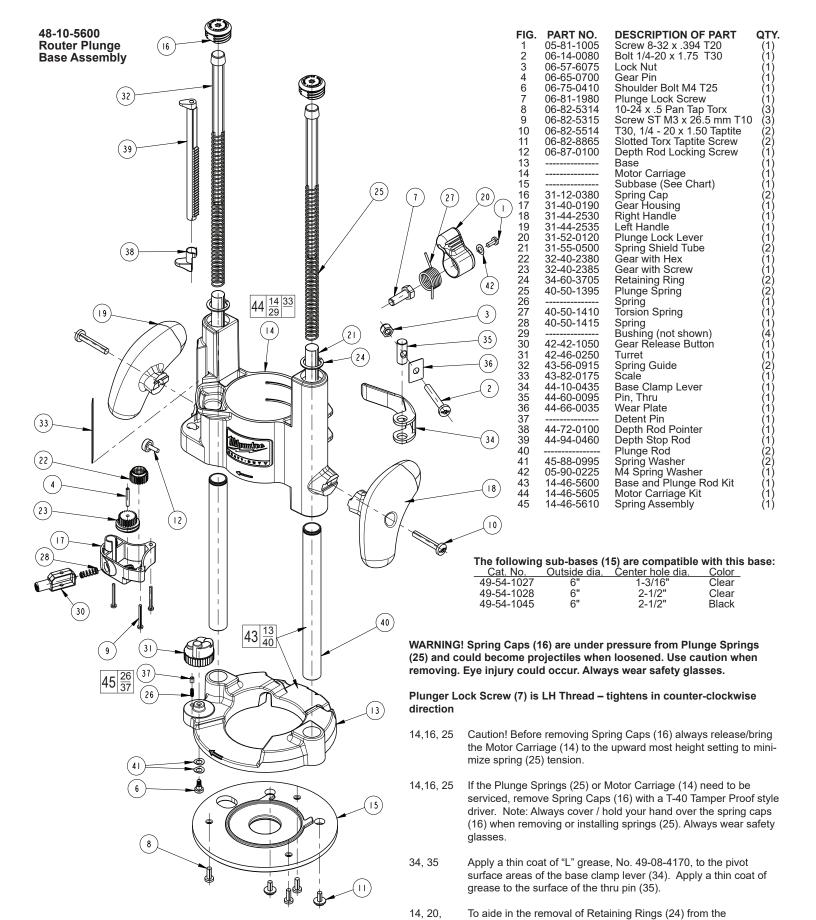
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FļG.	PART NO.	DESCRIPTION OF PART	QTY.
4 5	06-82-5314	10-24 x 1/2" Slt. Pan Hd. Tapt. T-25	(9) (3)
	06-82-5514	1/4-20 x 1-1/2" Slt. Pan Hd. Tapt. T-30	(3)
10	06-82-8865	10-32 x 7/16" Pan Hd. Tapt. Sems T-25	(4)
12	12-25-0235	Nameplate .	(1)
25	26-06-0100	Base	(1)
28	49-54-1045	Sub Base	(1)
31	31-44-0130	Knob Handle	(2)
36	40-50-4005	Compression Spring	(1)
37	42-42-0126	Release Button	(1)
39	44-10-0435	Base Clamp Lever	(1)
41	44-52-0020	Body Grip	(1)
43	44-60-0095	Thru Pin	(1)
44	44-66-0035	Wear Plate	(1)
47	45-56-0225	Handle Strap Assembly	(1)

## **FIG.** 5,39

- **NOTES:** Clamping force for the base clamp lever (39) is adjusted with base clamp screw (5). Tighten the screw using 10-20 lbs. force to close the lever to the locked position. Motor unit must be in base when checking force.
- 25,36,37 To service the release button (37) and the compression spring (36) a long, thin tool like a flat blade screwdriver must be used. From the bottom of the base (25), insert the screwdriver into the cavity located under the release button. Press on the button detent to release.
  25,41,47 The metal clip from the handle strap (47) is to be placed around the tab on the base (25). The body grip (41) is to be placed onto the base from the top so that the cavity on the inside of the body grip slips over the tab on the base, securing the handle strap.
  - Apply a thin coat of "L" grease, No. 49-08-4170, to the pivot surface areas of the base clamp lever (39). Apply a thin coat of grease to the surface of the thru pin 39,43



24, 40 Plunger Rods (40). (springs (25) and plunger caps (16) removed previously) Push Plunge Lock Lever (20) down and Lower Motor Carriage (14) down until Retaining Rings (24) are just below the internal Spring Cap threads inside the Motor Carriage.

# Repair Instructions for the 5616-20,-29 2-1/4 H.P. Body Grip Router 45-10-0081 Collet Shank – removal / installation

#### Removal of the Collet Shank from the Armature shaft...

Note: The Armature shaft has a 3/8" internal hex; The Collet Shank threads onto the Armature shaft.

- Step 1 applied at the time of assembly, mild heat to the Collet Shank will soften Loctite® Threadlocker and will aide in the disassembly. Care should be taken with a heat gun, not to damage the seal of the Ball Bearing or Contamination Shield.
- **Step 2** to hold the Armature **securely from turning**, pass a 3/8" t-handle Hex Key through the Collet Shank and into the Armature's 3/8" internal hex.
- Step 3 using the Router's standard equipment Forged 1-1/8" Open End Wrench on the external hex of the Collet Shank, turn the Collet Shank counter-clockwise U to remove.



3/8" t-handle Hex Key

#### Installation of the Collet Shank to the Armature shaft...

torque specification of the Collet shank to the Armature shaft is 16.5 ft-lbs [vigorously hand-tight]...

Installation of the Collet Shank [45-10-0081] for a 5616-20,-29 Body Grip Router can best be accomplished by using a 3/8" t-handle Hex Key, a 1-1/8" Crowfoot Wrench and a Torque Wrench.

- Step 1 apply two drops of Loctite® 'Blue' 242® or 243 Oil Tolerant, Threadlocker or equivalent, 180° apart, to threads of the Armature shaft before threading the Collect Shank onto the Armature... care should be taken not to get thread locking sealant on the ball bearing journal of the Armature shaft.
- Step 2 pass a 3/8" t-handle Hex Key through the Collect Shank and into the Armature's 3/8" internal hex to hold the Armature securely from turning.
- Step 3 using a 1-1/8" Crowfoot Wrench and a Torque Wrench combination turn the 1-1/8" hex of the Collet Shank in a clockwise ひ direction until tight and the specified minimum of 16.5 ft-lbs of torque is reached.



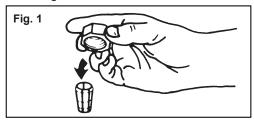
1-1/8" Crowfoot Wrench



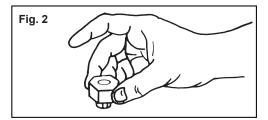
#### Collets

The collet must be attached to the collet nut before it is put into the collet shaft. Be sure that the size of the collet matches the size of the bit shank being used. If the wrong size bit shank is used, the collet may break. For attaching or detaching the collet nut to the collet, follow the illustrated instructions.

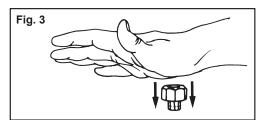
#### **Attaching Collet to Collet Nut**



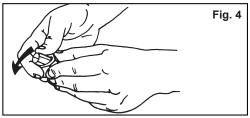
To assemble, place the narrow end of the collet on an even surface. Take the nut and place it over the collet (Fig. 1).



Position nut squarely over collet with the smaller opening of the nut facing up (Fig. 2).



Snap nut and collet together by firmly applying downward pressure into assembly with palm of hand (Fig. 3).



To remove collet from nut, hold nut firmly with one hand and press the collet to one side with the other hand (Fig. 4).