

Belt Sander Attachment Installation

Product Identification: Belt Sander Attachment (PN 34107)

Purpose: The purpose of this document is to detail installation of the Belt Sander Attachment on the PSG 612 Surface Grinder. Check to ensure you have all parts before starting modifications:

Qty. Belt Sander Attachment (PN 34107)

| | |
|---|-----------------------------------------|
| 1 | Tension Assembly |
| 1 | Attachment Cover |
| 1 | 1" x 42" Belt (aluminium oxide/80 grit) |
| 1 | Contact Wheel |
| 1 | Hub Assembly |
| 2 | Attachment Cover Knobs |

NOTE: If any of these items are missing, contact Tormach Customer Service for a replacement at (608) 849-8381.

1. Using a 5 mm hex-head wrench, remove wheel guard (see **Figure 1**).
2. Using Spanner wrench, remove Spindle Nut and grinder wheel (see **Figure 2**).



Figure 1



Figure 2

3. Connect Hub, Contact Wheel, and Hub Nut as shown in **Figure 3**.

NOTE: Make sure to mate flat side of hub with flat side of wheel.

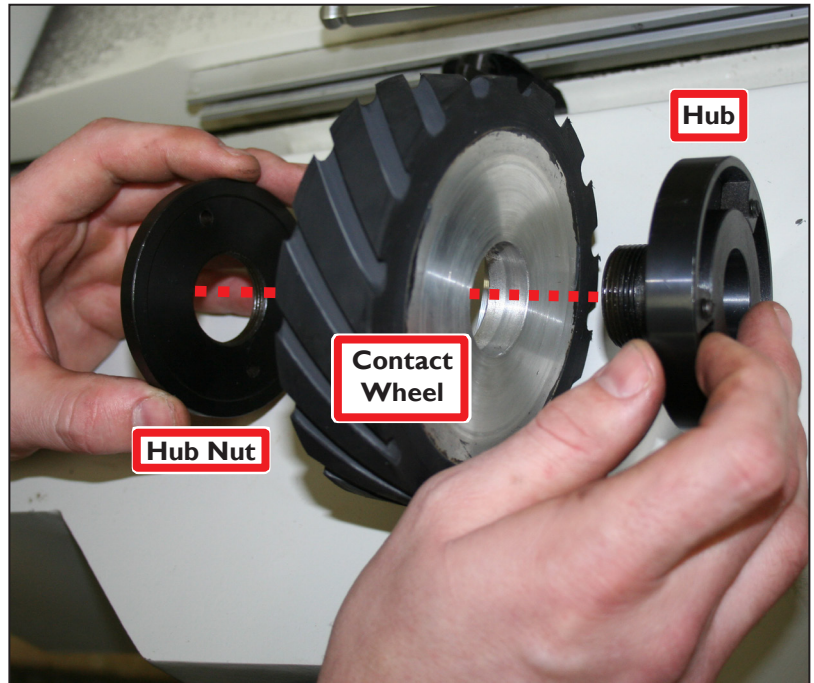


Figure 3

4. Tighten Hub Nut using (included) Spanner Wrench (see **Figure 4**).

NOTE: For wheel balancing instructions, refer to the PSG 612 operator manual.

NOTE: These threads are reversed.



Figure 4

5. Using a 4 mm hex-head wrench, loosen set screw on bottom of wheel guard; remove guard (see **Figure 5**).

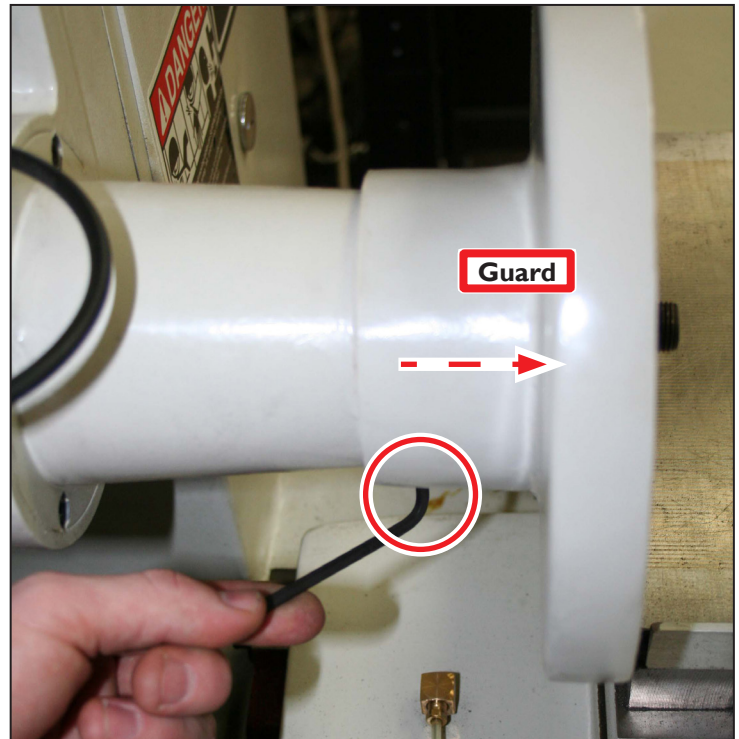


Figure 5

6. Install Tension Assembly at approximately 45° angle, ensuring it is pushed flush with clamp; tighten clamp bolt using a 10 mm wrench (see **Figure 6** and inset).

NOTE: Wipe the spindle taper clean.

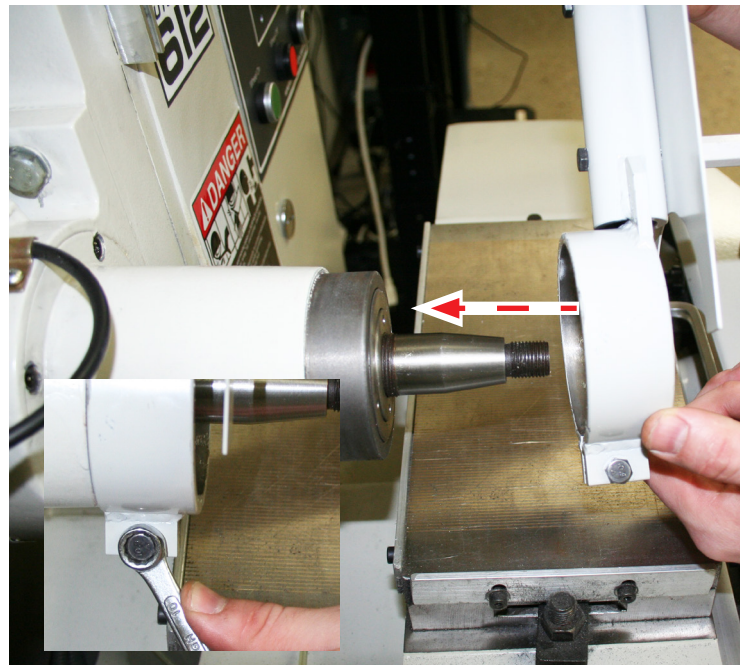


Figure 6

7. Install the Hub Assembly (from step 4) onto spindle (see **Figure 7**); screw on Spindle Nut (see **Figure 7 inset**).

NOTE: Spindle nut has left-handed threads.

8. Tighten assembly with Spanner Wrench on attachment side and Spindle Wrench on opposite side as shown in **Figure 7**.

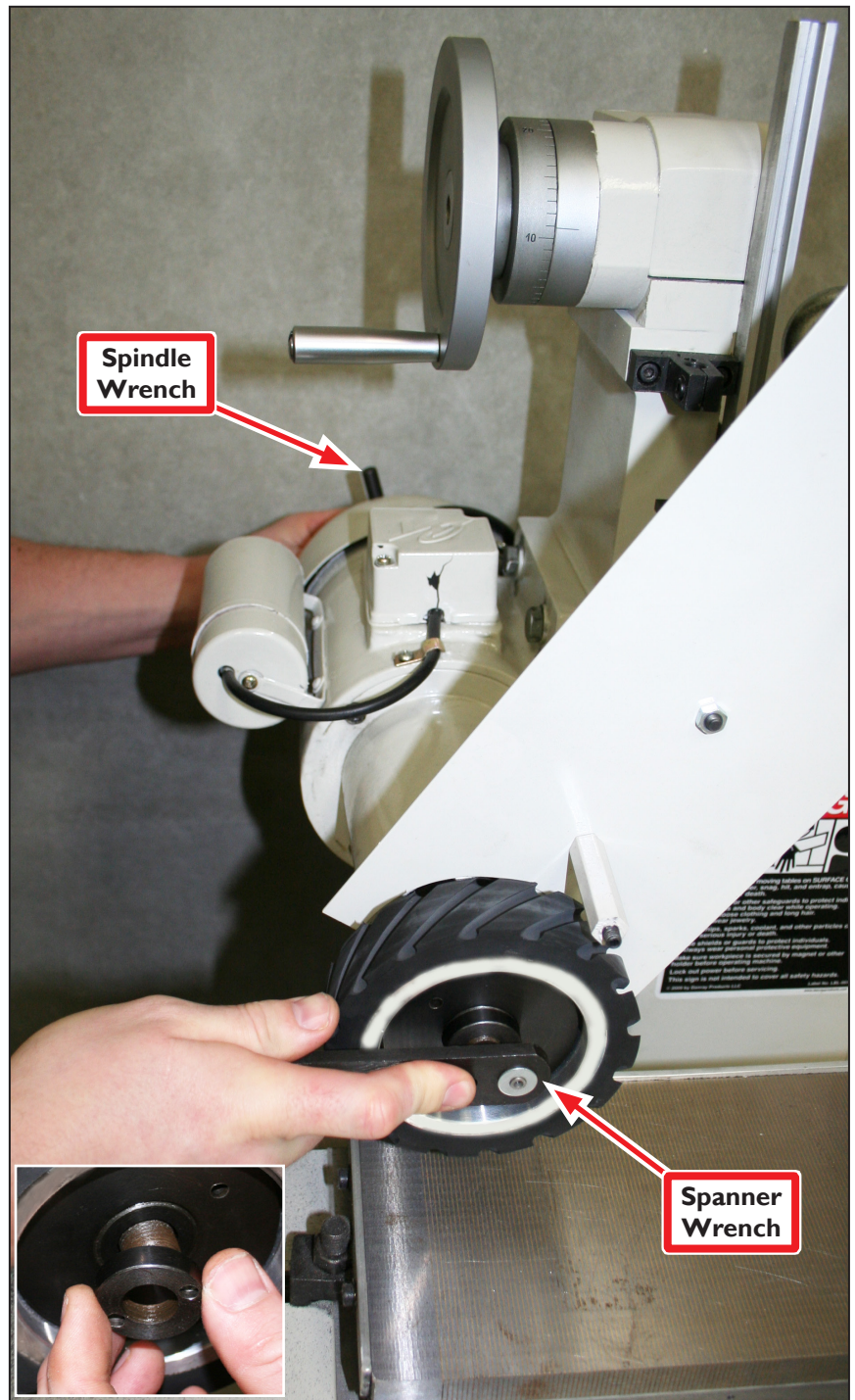


Figure 7

9. Loosen Tension Lock Knob and hold Wheel down (see **Figure 8**); tighten knob to hold wheel in down position.

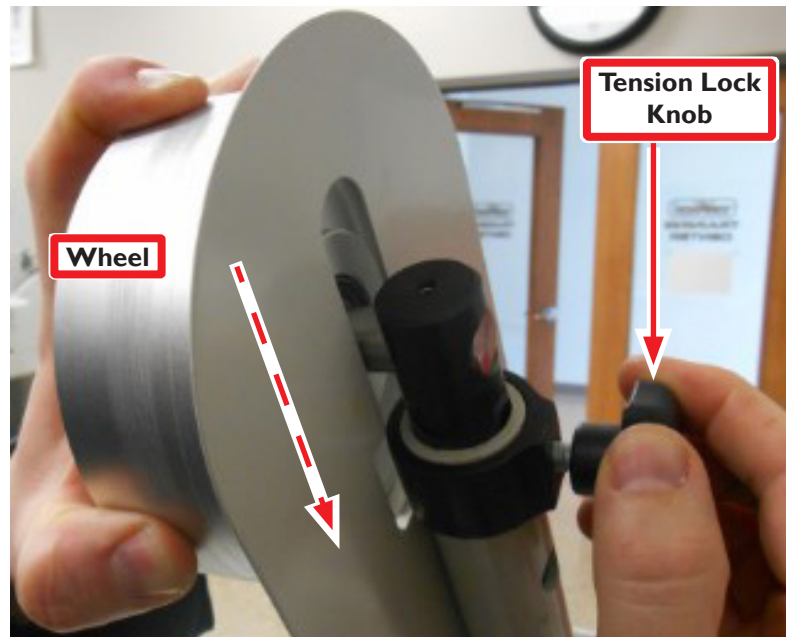


Figure 8

10. Slide belt on and loosen Tension Lock Knob; spring pressure will apply tension to Belt (see **Figures 8 and 9**).

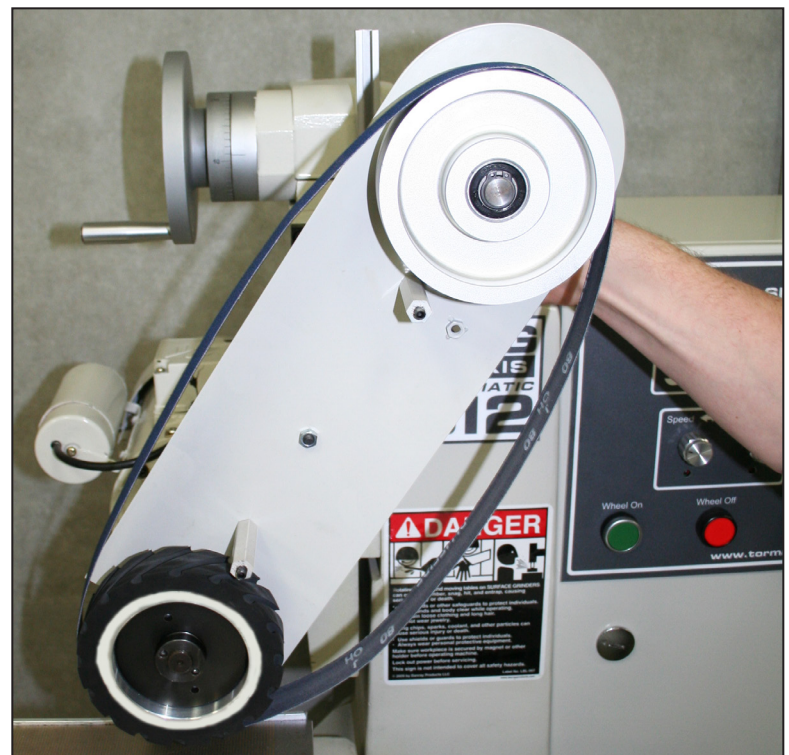


Figure 9

11. Spin belt by hand in same direction as motor rotation and adjust for tracking. Make sure belt is centered and parallel to the attachment (see **Figure 10**).
12. Using two Attachment Cover Knobs, attach cover (see **Figure 11**).
13. Verify belt tracking by turning wheel for several rotations; repeat step 11 as necessary.

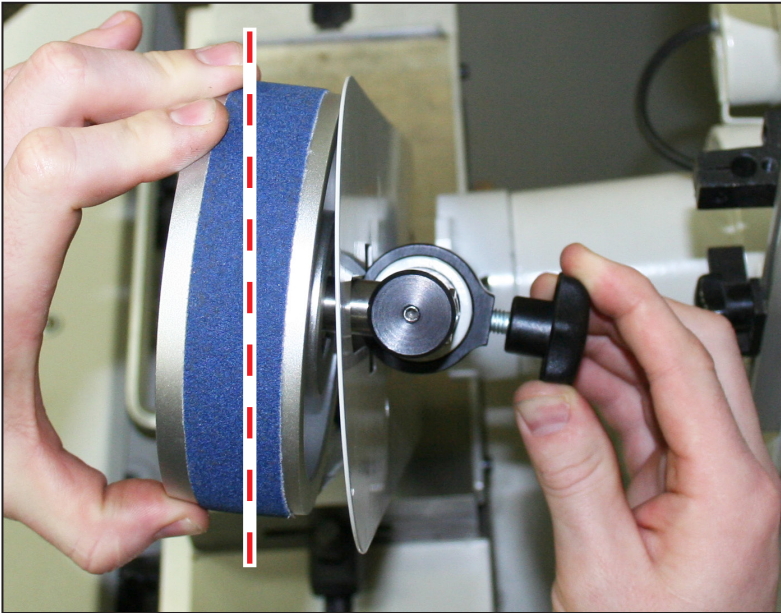


Figure 10



Figure 11

| Belt Sander Attachment Part | Part Number (PN) |
|-----------------------------|------------------|
| Grinder Hub, Wheel Assembly | 33279 |
| Back Plate | 34108 |
| Spindle Clamp | 34109 |
| Tension Rod | 34110 |
| Idler Wheel | 34111 |
| Tension Clamp | 34112 |
| Drive Wheel | 34113 |
| Cover Stand Offs (2) | 34114 |
| Belt Sander Cover | 34115 |
| Belt Grinder Spring | 34116 |
| Idler Wheel Shaft | 34118 |
| Pinch Point Decal | 34625 |

| Belt Sander Attachment Part | Part Number (PN) |
|-------------------------------|------------------|
| Deep Groove Ball Bearings (2) | 34825 |
| 15mm Retaining Ring | 34891 |
| Attachment Cover Knobs (2) | 34892 |
| M8 x 16mm Knob | 34893 |
| M6 x 10mm Flat-head Screw | 34894 |
| M6 x 40mm Hex-head Screw (2) | 34895 |
| M6 Hex Nut | 34896 |
| M5 x 6mm Set Screw | 34897 |
| M6 x 20mm Hex-head Screw | 34898 |
| Belt Sander Logo Decal | 34923 |
| M6 x 20mm Set Screws (2) | 34946 |

Belt Sander Attachment (Exploded View)

