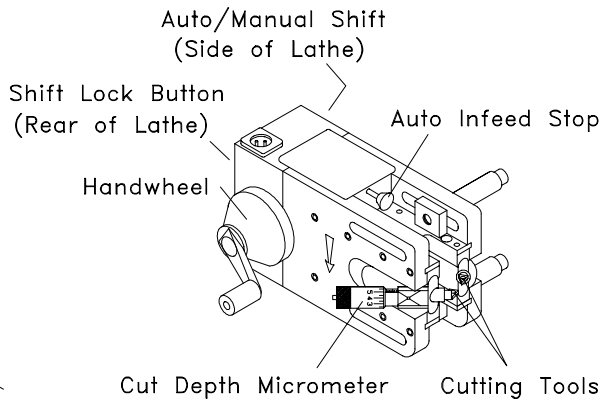


OPERATION GUIDE

February 2000
P/N 035-80666-00



BRAKE LATHE SETUP

- 1 Remove wheel.
- 2 Place Spacers & Lug Nuts on studs. Use torque wrench and tighten nuts in sequence and to torque as specified by vehicle manufacturer. (See Figure 1)
- 3 Remove brake caliper and clean rust & dirt from bolt area.
- 4 Install Threaded Adapters or Hollow Adapters & Threaded Bars. (See Figure 2)
- 5 Place Silencer Band around rotor.
- 6 Use Twin Cylinder Clamps to mount Lathe to Adapters. (See Figure 3)
- 7 Install Lathe so centerline is slightly below wheel hub and rotor is centered between slideways. (See Figure 4)

DRIVE MOTOR SETUP

- 1 Attach Wheel Drive Brackets & Spacers to wheel studs. Tighten to torque as specified by vehicle manufacturer. (See Figure 6)
- 2 Attach Drive Motor to Wheel Drive Brackets.
- 3 Check alignment of shaft with center of wheel rotation.
- 4 Slide sleeve on connecting shaft away from universal coupling and slide vinyl cover over Wheel Brackets.

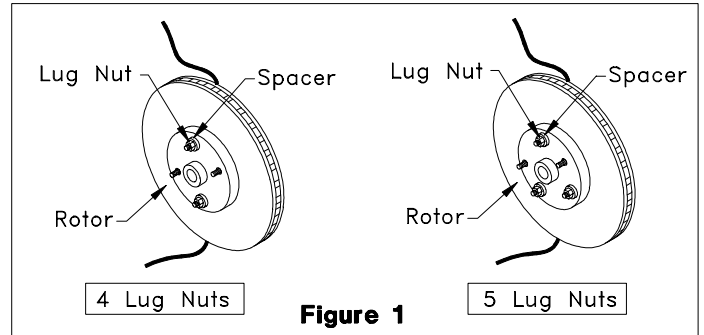


Figure 1

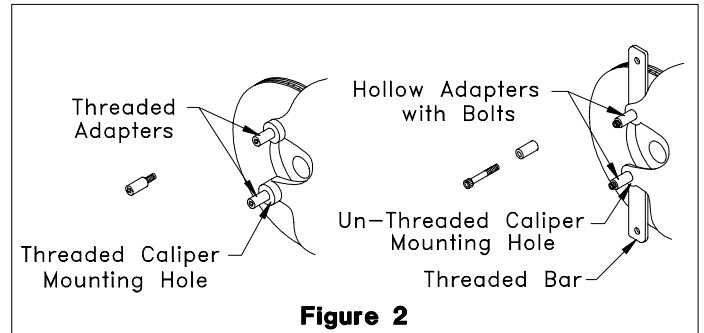


Figure 2

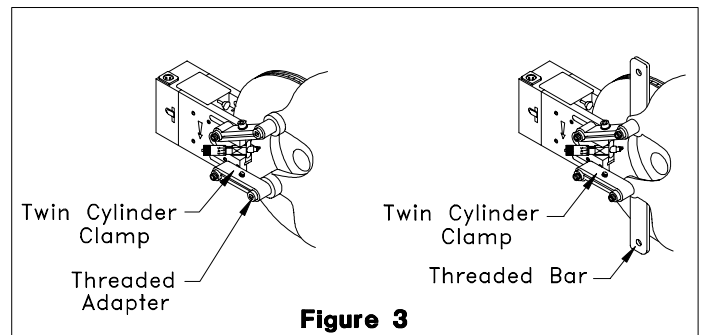


Figure 3

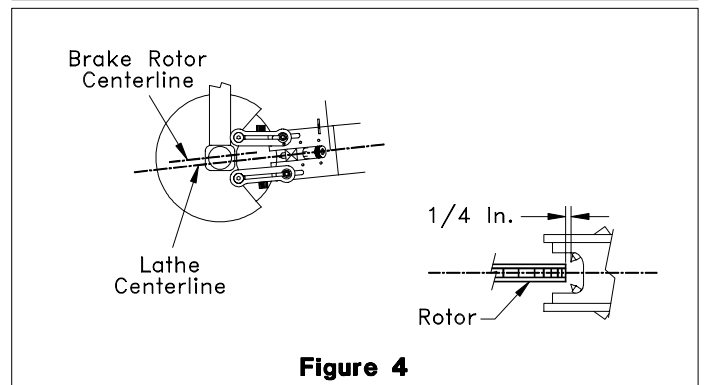


Figure 4

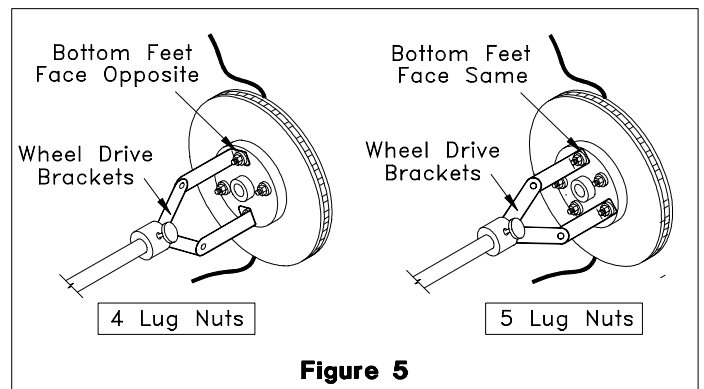
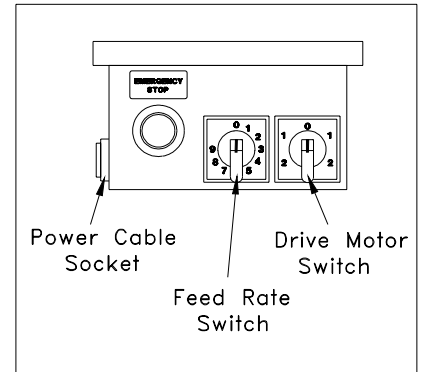
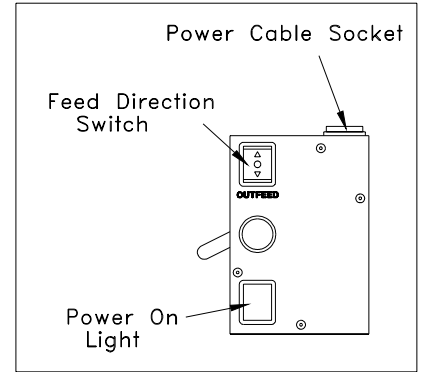
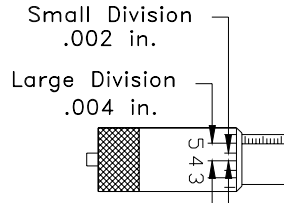


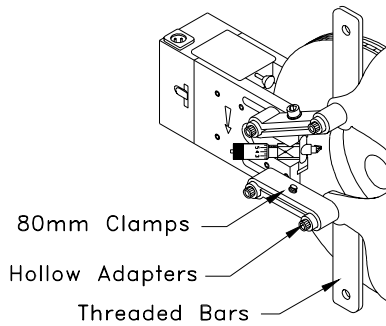
Figure 5

TURNING A ROTOR

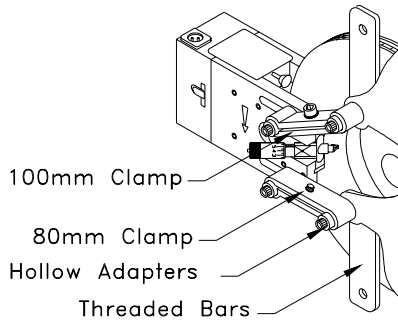
- 1 Turn Wheel Drive Motor on and check that rotor turns towards cutting tools. An arrow on the side of the Lathe indicates the direction of rotor rotation.
- 2 Move cutting tools in until they just touch the rotor.
- 3 Manually feed tools out past edge of rotor and then in towards center of rotor past brake pad wear surface.
- 4 Push Auto Infeed Stop button in.
- 5 Move AUTO/MAN Shift Lever to AUTO.
- 6 Move cutting tools in by 0.004 in.
- 7 Set Tool Feed Switch to OUTFEED.
- 8 When past outer edge set cutting tools in by 0.002 in.
- 9 Set Tool Feed Switch to Infeed. Lathe will automatically stop at point set in Step 4.



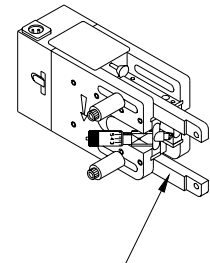
Adapting to Audi & VW Vehicles



S4 (Rear) & TT (Rear)
Beetle (Rear) & Jetta (Rear)

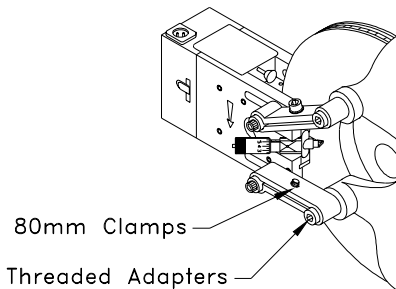


S4 (Front)

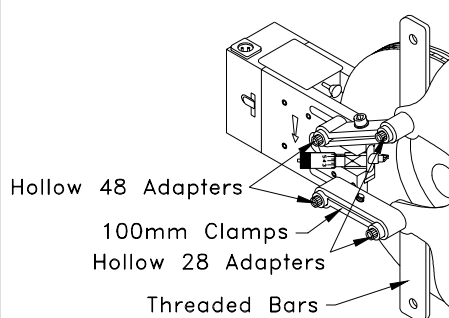


080-80143-00
(P/N for Pair)

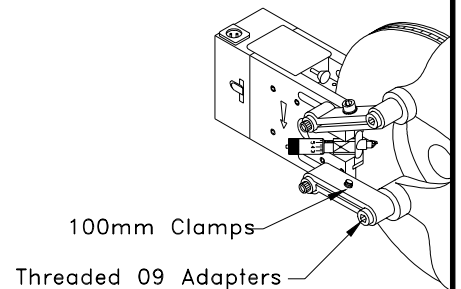
A8-V8 (Rear)



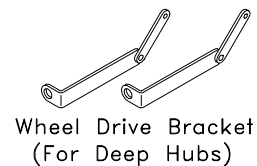
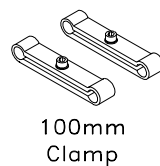
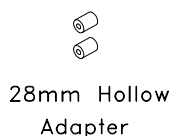
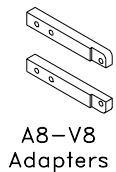
A8-V8 (Front=Adapter 13)
TT (Front = Adapter 09)



A4 & Passat (Rear)

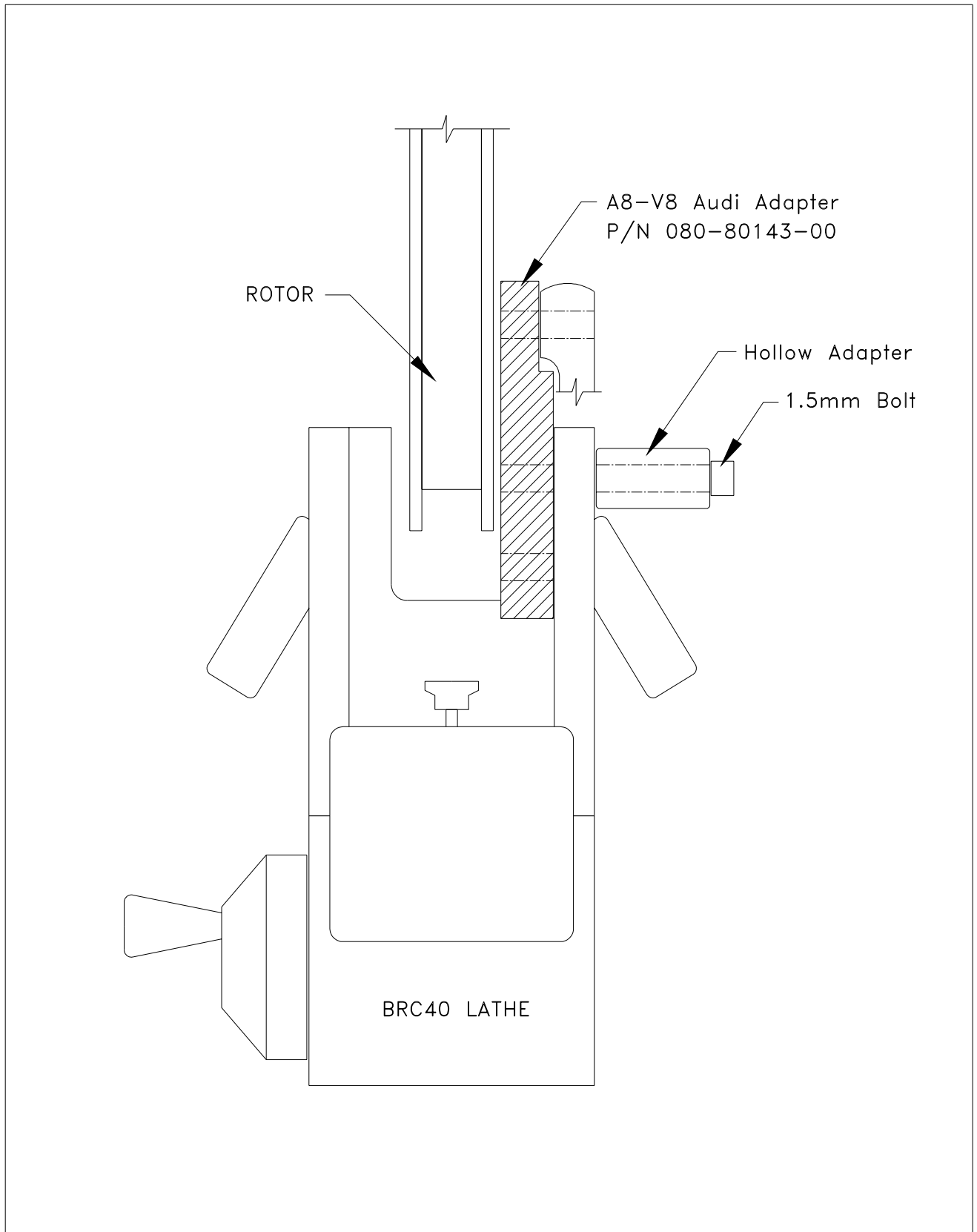


A4 & Passat (Front)



Adapter Kit

380-80054-00 All Adapters Shown (Volkswagen & Audi)
380-80055-00 All Adapters except A8-V8 Adapters (Volkswagen Only)



Mounting the BRC40 to the Rear of an Audi A8-V8