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## 914 Clutch Replacement Technical Article Checklist

Print out this list to assist you in your clutch job. We recommend that you have a copy with you underneath your car as you perform the replacement. Forgetting any one of these steps could cause major heartache at a later date.

Remember that your continued support of Pelican Parts helps to keep technical articles like this one coming. Please check with us for some good deals on the clutch package and tools you will need for this installation. If you have any questions, feel free to call or email us at [pelicanparts@csi.com](mailto:pelicanparts@csi.com).

Thanks again for your support.

Parts that you will most likely need:

- Pressure Plate
- Clutch Disc (we recommend the six spring early 911 type)
- Throw-out bearing
- Throw-out fork bushing
- Pilot bearing (for flywheel) and felt
- 2 Throw-out bearing guide clips
- 2 CV joint gaskets
- 2 Muffler gaskets

- Resurfaced Flywheel (good core usually required)
- Flywheel o-ring and metal washer/gasket
- New flywheel bolts
- Transmission fluid

Additional parts that you might need:

- Flywheel seal and mainshaft seal
- New clutch cable
- Throw out arm retaining fork
- Locking cone screws
- Shift bushings

Special tools that you will need for the job:

- CV bolt removal tool
- Large Floor jack
- Clutch Alignment Tool
- A set of metric hex keys (sockets recommended)
- Torque wrench (capable of applying torque between 14.5 and 79.5 ft-lbs.)
- Flywheel locking tool

Replacement Checklist:

(check off tasks as you complete them)

- Clean underside of car
- Loosen CV joints
- Elevate car
- Remove muffler & muffler bracket
- Disconnect battery ground strap
- Disconnect speedometer cable
- Disconnect clutch cable
- Disconnect accelerator cable (914-6 only)
- Remove rear shift linkage
- Disconnect transmission ground strap
- Remove starter cable & backup lamp switch

- Remove starter bolts and starter
- Disconnect and bag CV joints
- Place jack stand under engine case
- Support weight of engine-transmission with floor jack
- Disconnect transmission mounts
- Lower engine-transmission to rest on jack stand
- Unbolt remaining transmission to engine case bolts
- Slide out and lower transmission on floor jack, remove
- Remove one pressure plate bolt
- Attach flywheel lock
- Remove remaining pressure plate bolts
- Remove flywheel lock and pry out pressure plate
- Reattach flywheel lock, remove 5 flywheel bolts
- Remove flywheel lock, and flywheel
- Check flywheel seal for leakage or damage, replace if necessary
- Check flywheel to see if it is a good core
- Switch pressure plate guide pins from old flywheel to new
- Install flywheel o-ring into flywheel
- Install pilot bearing into flywheel
- Place flywheel on car with felt pad and crush washer
- Attach flywheel lock and torque bolts in cross pattern to 79.5 ft-lbs.
- Remove flywheel lock and place pressure plate, disc on flywheel using clutch alignment tool
- Reattach flywheel lock and torque bolts on pressure plate to 14.5 ft-lbs.
- Remove throw-out arm from transmission
- Replace bushing, and inspect constraint fork
- Replace throw-out bearing & guide clips
- Grease shaft and tip of shaft, reattach throw-out arm
- Check transmission fluid level. Top off if necessary
- Reattach transmission & tighten bolts
- Check throw-out arm for proper clearance
- Jack up engine-transmission assembly and reattach mounts

- Bolt on starter
- Reconnect starter electrical cable and back-up switch
- Reattach ground strap
- Reattach CV joints with new gaskets
- Reattach clutch cable
- Reattach accelerator cable (914-6 only)
- Reattach speedometer cable
- Reattach shift linkage (replace bushings if needed)
- Reattach muffler & muffler bracket (replace gaskets if old)
- Adjust clutch
- Lower car
- Reattach battery ground
- Drive car, then readjust clutch and check for oil leaks