



KENNEDY ENGINEERED PRODUCTS, INC.

38822 17th St. East, Palmdale CA 93550 Tel. (661) 272-1147

Fax: (661) 272-1575

www.kennedyeng.com

KEP #6500 - SUBARU 1.8/2.0/2.2/2.5/3.0/3.3 TO VOLKSWAGEN AND PORSCHE TRANSAXLES

Put our 4 studs into the adapter plate with short end in the adapter, refer to the enclosed stud guide for placement. Loctite with blue or green Loctite then fit to the transaxle. If necessary you may straighten the studs with a lead or leather mallet or with a hammer by using a piece of wood to protect the threads.

Check the adapter for fit by placing it on the engine. Gen 1 engines use only 4 bolts, use the 4 – 10 x 1.25 x 45 bolts to bolt the adapter to the engine. If you have a Gen 2 engine you will use all 8 bolts, use the 10 x 1.25 x 30 for the middle 4 bolt holes. The engine should have locating dowels, if these dowels were removed with the transmission, they should be replaced. Scrape any silicone off of the engine block and pan that will prevent the adapter plate from sitting flat against the block.

Bolt the small dust shield to the engine with the two small 6mm bolts do not tighten all the way down until adapter is bolted on. Bolt the adapter to the engine using the four or 8 bolts as noted above and torque to 29-35 ft. lb. Then tighten dust shield down rest of the way.

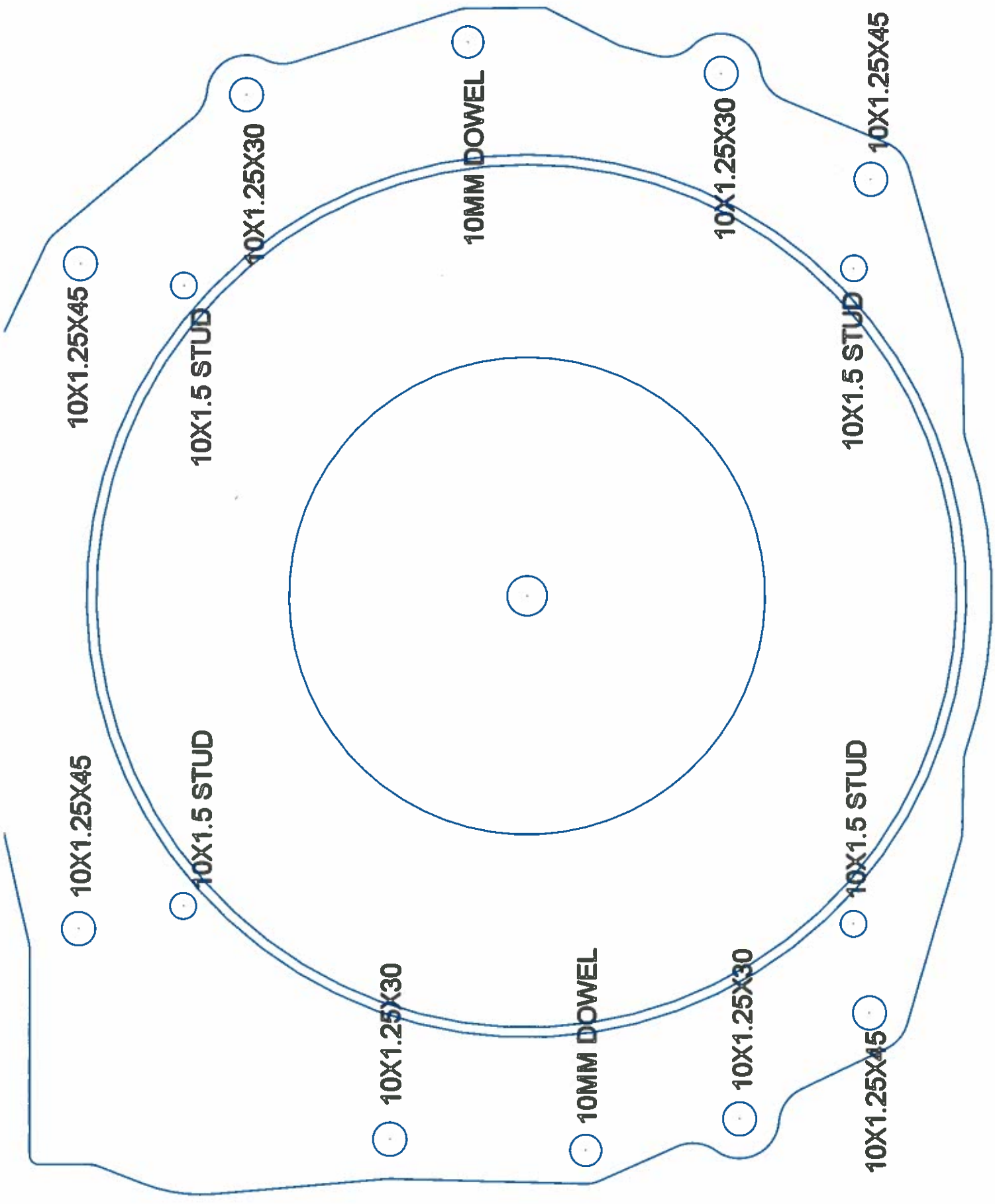
Clean the end of the crankshaft, the pilot bearing is already in the KEP flywheel, install the flywheel. Torque these bolts to 51-55 ft. lb. They will begin to stretch if the torque exceeds 60 ft. lb.

Clean contact surface of flywheel and pressure plate with a rag dampened with safety solvent or lacquer thinner to remove the protective oil which we put on all our parts.

Install the clutch, use a clutch alignment tool to center the disc, and then in a criss-cross style pattern, pull the bolts down gradually and uniformly. We recommend 18 ft. lbs. for 8.8 grade bolts or 27 ft. lbs. for 10.9 grade bolts.

After installing the clutch on a manual shift, fit the engine to the transaxle. If a '68 or newer transaxle is used, it will be necessary to install two narrow washers under the two top nuts in order to clear the protrusions cast on the transaxle and starter motor. Two $\frac{3}{8}$ " lock washers will serve this purpose. Do not torque these bolts to more than 40 ft. lb. For automatic Trans see special page on automatic Trans.

When using the Subaru engine, it is not necessary to modify the manual shift transaxle for normal use. Using a 4-spider carrier or just readjusting them will prepare a sedan Trans for sandbuggy use. When using a '68 or newer VW bus, it might be worth changing to a taller ring and pinion.



10X1.25X45

10X1.5 STUD

10X1.25X30

10MM DOWEL

10X1.25X30

10X1.25X45

10X1.5 STUD

10X1.25X45

10X1.5 STUD

10X1.25X30

10MM DOWEL

10X1.25X30

10X1.5 STUD

10X1.25X45