



## FORD AOD Direct Clutch PowerPack® Kit Stock, Heavy Duty, Hi-Performance and Race Vehicles

### ALTO PART # 049750A & 049750AHP

#### Alto # 049750A POWERPACK® CONTENTS:

##### (Stock Applications)

- (8) Alto Friction Plates (.059" / 1.5mm) # 049704A
- (8) Alto Steel Plates (.060" / 1.52mm) # 049705A
- (2) Alto Steel Plates (.070" / 1.78mm) # 049705
- (1) Alto Top Backing Pressure Plate (.128" / 3.25mm) # 049713

#### Alto # 049750AHP POWERPACK® CONTENTS:

##### (Hi-Performance, Racing & Heavy Duty Applications)

- (8) Alto Red Eagle® Friction Plates (.059" / 1.5mm) # 049744A
- (8) Alto Kolene® Steel Plates (.060" / 1.52mm) # 049705AK
- (2) Alto Kolene® Steel Plates (.070" / 1.78mm) # 049705K
- (1) Alto Top Backing Pressure Plate (.128" / 3.25mm) # 049713

## INSTALLATION INSTRUCTIONS

### With an Original Five Plate Cast Iron Drum Set-Up

There are two different stack-ups that can be accomplished when using this drum. The recommended stack-up is seven Alto friction plates, seven Alto steel plates .060" (1.52mm) and the .128" (3.25mm) top backing plate. All of these items are included in this kit. The other stack-up that can be used is six Alto friction plates, six Alto steel plates .060" (1.52mm), and re-installing the original .219" (5.56mm) top backing plate.

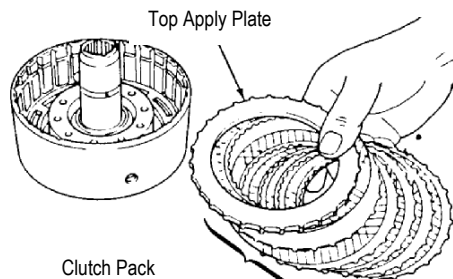
### With an Original Six Plate Cast Iron Drum Set-Up

The recommended stack-up when using this drum is eight Alto friction plates, six Alto (.060" / 1.52mm) steel plates, two Alto (.070" 1.78mm) steel plates and the .128" (3.25mm) top backing plate.

#### **NOTE: The stack-up of the Direct clutch drum is the same method as OE.**

Through research and field studies, we found that these kits perform best if the clutch pack clearance is set to .025" - .035" (.64mm - .89mm). Our studies have also found that many dimensional differences exist in the two areas of overall piston heights and snap ring groove proximity.

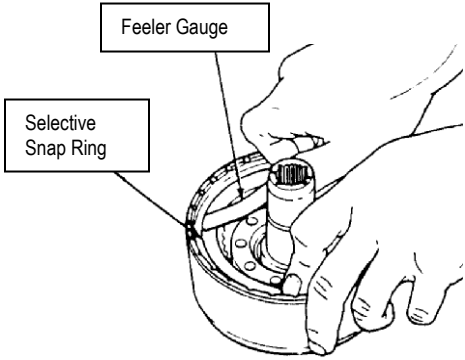
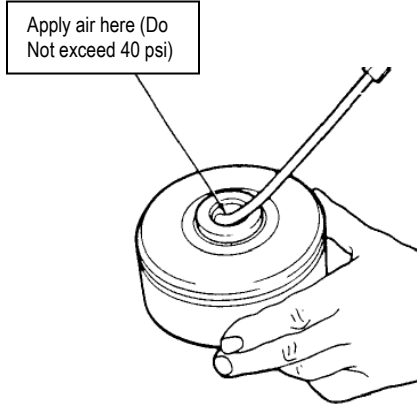
Before checking the clearance, the clutch pack should be air checked several times with no more than 40 PSI to seat all of the installed components. To achieve the recommended .025" - .035" (.64mm - .89mm) clutch clearance use one of four selective snap rings available from Alto Products and/or the standard .070" (1.78mm) thickness Alto steel plates included in this kit.





**FORD AOD Direct Clutch PowerPack® Kit**  
**Stock, Heavy Duty, Hi-Performance and Race Vehicles**

**Note:** Presoak all friction plates in manufacturer's recommended ATF for 15-20 minutes prior to assembling the clutch pack.



**SELECTIVE SNAP RINGS**

(Contact your distributor)

<b>ALTO Part #</b>	<b>Replaces OEM #</b>	<b>Thickness</b>
049251-052	E0AZ-7D483A	.052"
049251-066	E0AZ-7D483B	.066"
049251-080	E0AZ-7D483C	.080"
049251-094	F3AZ-7D483-D	.094"