



# Drive Pinion

## Height Adjustment

NOTE: If the drive pinion and ring gear are replaced (always as a set) height has to be adjusted.

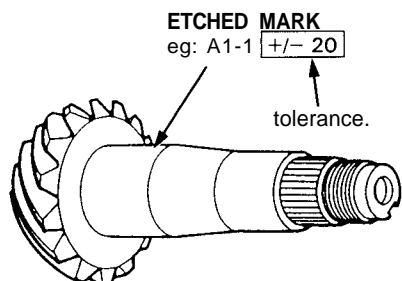
If the differential case is replaced, height adjustment won't be necessary, because the differential case, ring gear, drive pinion, and the 43 mm thrust washer are replaced as a set.

Select the proper shim follows:

First, you need to calculate the difference in size between the old shim and the new pinion.

The last one of the numbers (see ill.) on each pinion is the plus (+) or minus (–) tolerance in thousand's of a millimeter. So, a pinion with +20 is 0.02 mm large and a pinion with –20 is 0.02 mm small.

1. If the number on the old pinion is a plus (+), add it to the old shim thickness.  
If it is a minus (–), subtract it from the old shim thickness.
2. If the number on the new pinion is a plus (+), subtract it from the number you got in step 1. If it is a minus (–), add it to the step 1 number.
3. Select the shim that is closest (but not more than) the final number you got from steps 1 and 2.



### Example 1:

Old shim 2.00 mm thickness

Old pinion +20 (0.02 mm)

New pinion –10 (–0.01 mm)

$$2.00 + 0.02 + 0.01 = 2.03$$

Select the 2.03 mm (0.0799 in) new shim.

### Example 2:

Old shim: 1.70 mm thickness

Old pinion: –10 (–0.01 mm)

New pinion: –20 (–0.02 mm)

$$1.70 - 0.01 + 0.02 = 1.71$$

Select the 1.70 mm (0.0669 in) new shim.

## 43 mm THRUST SHIM

	Part Number	Thickness
A	41410 — PY4 — 000	1.64 mm (0.0646 in)
B	41411 — PY4 — 000	1.67 mm (0.0657 in)
C	41412 — PY4 — 000	1.70 mm (0.0669 in)
D	41413 — PY4 — 000	1.73 mm (0.0681 in)
E	41414 — PY4 — 000	1.76 mm (0.0693 in)
F	41415 — PY4 — 000	1.79 mm (0.0705 in)
G	41416 — PY4 — 000	1.82 mm (0.0717 in)
H	41417 — PY4 — 000	1.85 mm (0.0728 in)
I	41418 — PY4 — 000	1.88 mm (0.0740 in)
J	41419 — PY4 — 000	1.91 mm (0.0752 in)
K	41420 — PY4 — 000	1.94 mm (0.0764 in)
L	41421 — PY4 — 000	1.97 mm (0.0776 in)
M	41422 — PY4 — 000	2.00 mm (0.0787 in)
N	41423 — PY4 — 000	2.03 mm (0.0799 in)
O	41424 — PY4 — 000	2.06 mm (0.0811 in)
P	41425 — PY4 — 000	2.09 mm (0.0823 in)
Q	41426 — PY4 — 000	2.12 mm (0.0835 in)
R	41427 — PY4 — 000	2.15 mm (0.0846 in)
S	41428 — PY4 — 000	2.18 mm (0.0858 in)
T	41429 — PY4 — 000	2.21 mm (0.0870 in)
U	41430 — PY4 — 000	2.24 mm (0.0882 in)
V	41431 — PY4 — 000	2.27 mm (0.0894 in)