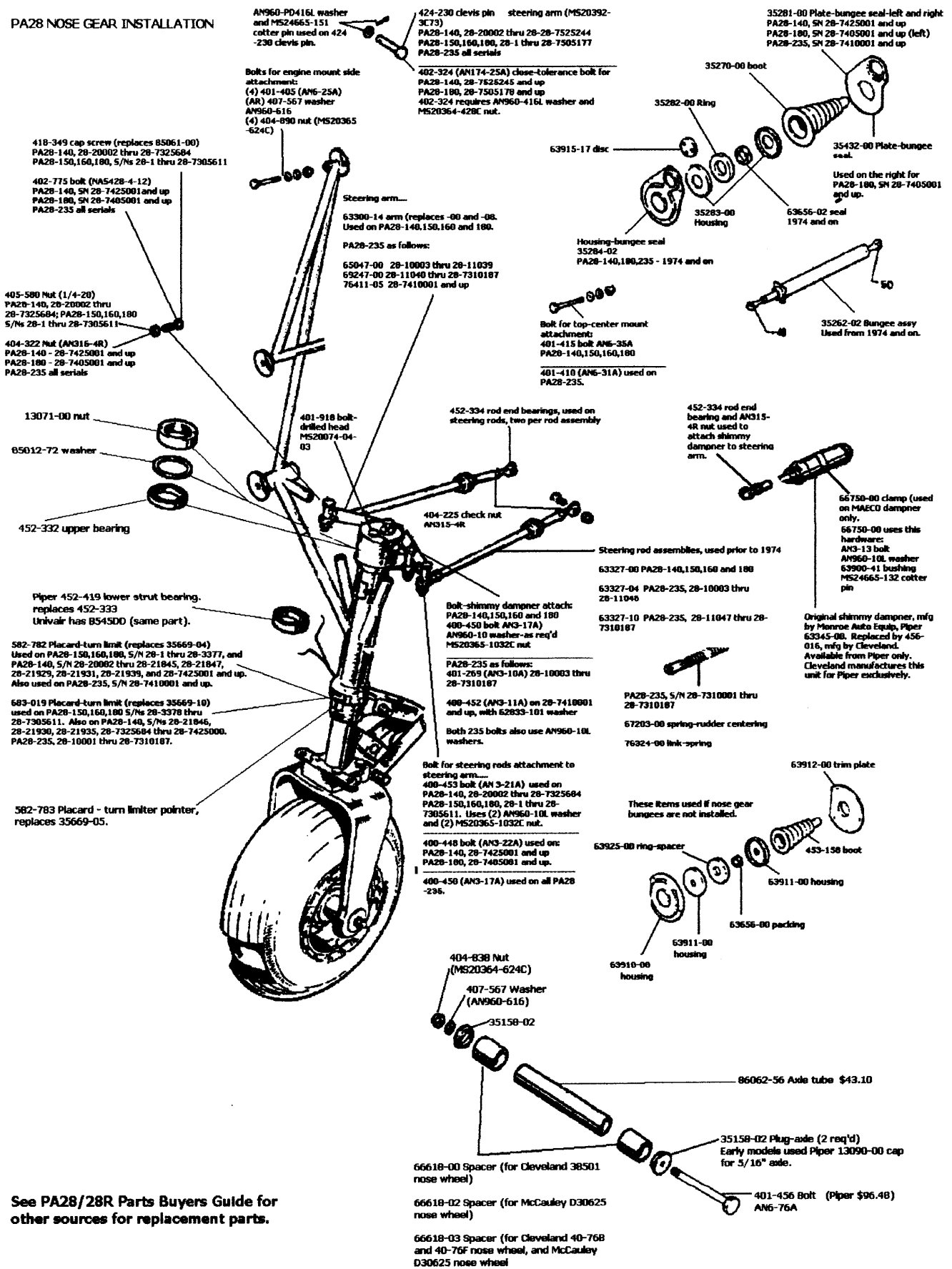


PA28 NOSE GEAR INSTALLATION



AN960-PD416L washer and MS24665-151 cotter pin used on 424-230 clevis pin.

424-230 clevis pin steering arm (MS20392-3C73)
 PA28-140, 28-20002 thru 28-28-7525244
 PA28-150,160,180, 28-1 thru 28-7505177
 PA28-235 all serials

35281-00 Plate-bungee seal-left and right
 PA28-140, SN 28-7425001 and up
 PA28-180, SN 28-7405001 and up (left)
 PA28-235, SN 28-7410001 and up

Bolts for engine mount side attachment:
 (4) 401-405 (AN6-25A)
 (AR) 407-567 washer
 AN960-616
 (4) 404-690 nut (MS20365-624C)

402-324 (AN174-25A) close-tolerance bolt for
 PA28-140, 28-7526245 and up
 PA28-180, 28-7505178 and up
 402-324 requires AN960-416L washer and
 MS20364-428C nut.

35270-00 boot
 35282-00 Ring
 63915-17 disc
 35283-00 Housing
 63656-02 seal 1974 and on
 35432-00 Plate-bungee seal.
 Used on the right for PA28-180, SN 28-7405001 and up.

418-349 cap screw (replaces 85061-00)
 PA28-140, 28-20002 thru 28-7325684
 PA28-150,160,180, 5/Ns 28-1 thru 28-7305611

402-775 bolt (NAS428-4-12)
 PA28-140, SN 28-7425001 and up
 PA28-180, SN 28-7405001 and up
 PA28-235 all serials

405-580 Nut (1/4-20)
 PA28-140, 28-20002 thru
 28-7325684; PA28-150,160,180
 5/Ns 28-1 thru 28-7305611

404-322 Nut (AN316-4R)
 PA28-140 - 28-7425001 and up
 PA28-180 - 28-7405001 and up
 PA28-235 all serials

13071-00 nut
 65012-72 washer

452-332 upper bearing

Piper 452-419 lower strut bearing.
 replaces 452-333
 Univair has B545DD (same part).

582-782 Placard-turn limit (replaces 35669-04)
 Used on PA28-150,160,180, 5/N 28-1 thru 28-3377, and
 PA28-140, 5/N 28-20002 thru 28-21845, 28-21847,
 28-21929, 28-21931, 28-21939, and 28-7425001 and up.
 Also used on PA28-235, 5/N 28-7410001 and up.

683-019 Placard-turn limit (replaces 35669-10)
 used on PA28-150,160,180 5/Ns 28-3378 thru
 28-7305611. Also on PA28-140, 5/Ns 28-21846,
 28-21930, 28-21935, 28-7325684 thru 28-7425000.
 PA28-235, 28-10001 thru 28-7310187.

582-783 Placard - turn limiter pointer,
 replaces 35669-05.

Steering arm—
 63300-14 arm (replaces -00 and -08.
 Used on PA28-140,150,160 and 180.
 PA28-235 as follows:
 65047-00 28-10003 thru 28-11039
 69247-00 28-11040 thru 28-7310187
 76411-05 28-7410001 and up

401-918 bolt-drilled head
 MS20074-04-03

452-394 rod end bearings, used on
 steering rods, two per rod assembly

404-225 check nut
 AN315-4R

Bolt-shimmy damper attach:
 PA28-140,150,160 and 180
 400-450 bolt AN3-17A)
 AN960-10 washer—no req'd
 MS20365-1032C nut

PA28-235 as follows:
 401-269 (AN3-10A) 28-10003 thru
 28-7310187

400-452 (AN3-11A) on 28-7410001
 and up, with 62833-101 washer
 Both 235 bolts also use AN960-10L
 washers.

Bolt for steering rods attachment to
 steering arm—
 400-453 bolt (AN 3-21A) used on
 PA28-140, 28-20002 thru 28-7325684
 PA28-150,160,180, 28-1 thru 28-
 7305611. Uses (2) AN960-10L washer
 and (2) MS20365-1032C nut.

400-448 bolt (AN3-22A) used on:
 PA28-140, 28-7425001 and up
 PA28-180, 28-7405001 and up.

400-450 (AN3-17A) used on all PA28
 -235.

452-394 rod end
 bearing and AN315-
 4R nut used to
 attach shimmy
 damper to steering
 arm.

66750-00 clamp (used
 on MAECO damper
 only.
 66750-00 uses this
 hardware:
 AN3-13 bolt
 AN960-10L washer
 63900-41 bushing
 MS24665-132 cotter
 pin

Original shimmy damper, mfg
 by Monroe Auto Equip, Piper
 63345-00. Replaced by 456-
 016, mfg by Cleveland.
 Available from Piper only.
 Cleveland manufactures this
 unit for Piper exclusively.

Steering rod assemblies, used prior to 1974

63327-00 PA28-140,150,160 and 180

63327-04 PA28-235, 28-10003 thru
 28-11040

63327-10 PA28-235, 28-11047 thru 28-
 7310187

PA28-235, 5/N 28-7310001 thru
 28-7310187

67203-00 spring-rudder centering

76924-00 link-spring

These items used if nose gear
 bungees are not installed.

63925-00 ring-spacer

63911-00 housing

63910-00 housing

63912-00 trim plate

453-158 bolt

63656-00 packing

404-838 Nut
 (MS20364-624C)

407-567 Washer
 (AN960-616)

35158-02

86062-56 Axle tube \$43.10

35158-02 Plug-axle (2 req'd)
 Early models used Piper 13090-00 cap
 for 3/16" axle.

66618-00 Spacer (for Cleveland 38501
 nose wheel)

66618-02 Spacer (for McCauley D30625
 nose wheel)

66618-03 Spacer (for Cleveland 40-76B
 and 40-76F nose wheel, and McCauley
 D30625 nose wheel)

401-456 Bolt (Piper \$96.48)
 AN6-76A

**See PA28/28R Parts Buyers Guide for
 other sources for replacement parts.**