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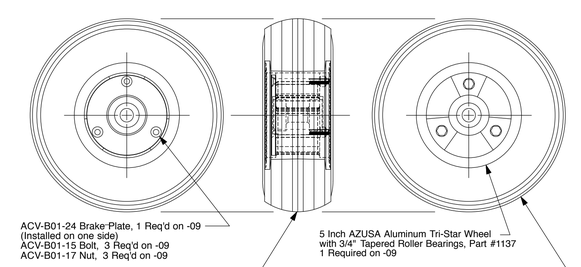
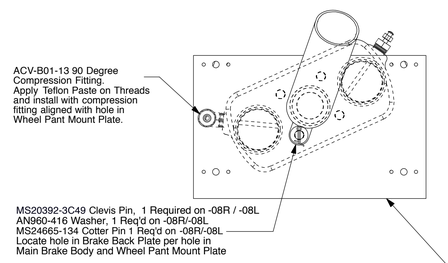
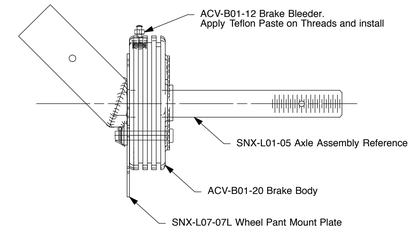
Revision Letter	Change Description
A	Replaced incorrrect AN3 Bolts in -08R/-08L with a single 1/4" diameter Clevis Pin. 3.24.13



Detail of -09
Scale: 1/4

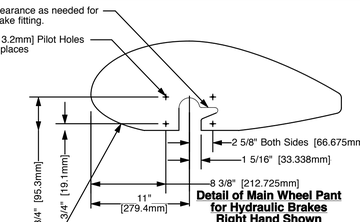


Detail of -08R Axle / Brake Assembly
Scale: 1/2



-08R Right Hand Axle / Hydraulic Brake Assembly (shown)
1 Required on -01 / -02

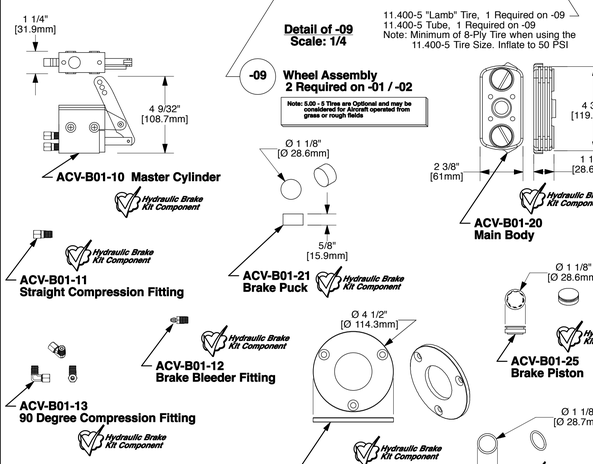
-08L Left Hand Axle / Hydraulic Brake Assembly (opposite -08R)
1 Required on -01 / -02

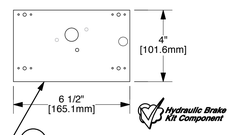


Detail of Main Wheel Pant for Hydraulic Brakes
Right Hand Shown
Scale: 1/8

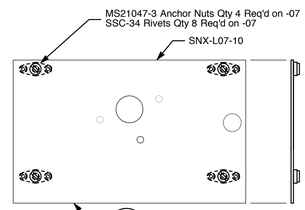
-12R Right Hand Wheel Pant for Hydraulic Brake (Shown)
Replaces SNX-L06-05R Main Wheel Pant Detail
1 Required

-12L Left Hand Wheel Pant- Tail Dragger (opposite -12R)
Replaces SNX-L06-05L Main Wheel Pant Detail
1 Required



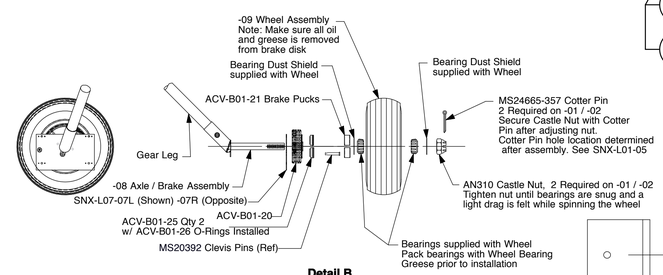


-10 Wheel Pant Mount Plate
Made from 0.063" thick 6061-T6 Aluminum
Qty 2 req'd

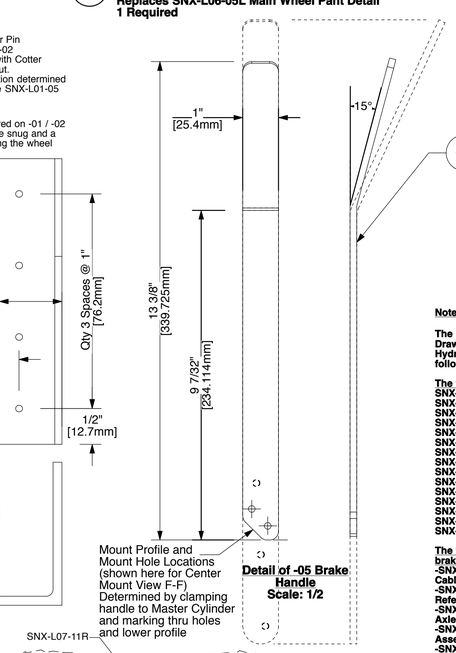


-07R Wheel Pant Attach Plate Assembly (Shown)
1:2 Scale

-07L Wheel Pant Attach Plate Assembly (Opposite)



Detail B
Exploded View of Wheel and Hydraulic Brake Installation
(Replaces SNX-L01 Detail B)
Scale: 1/8

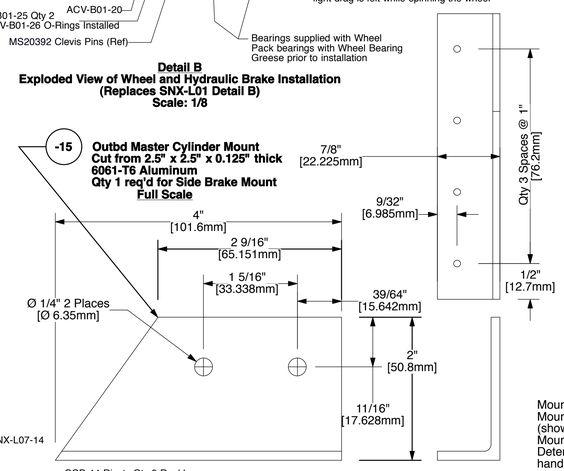


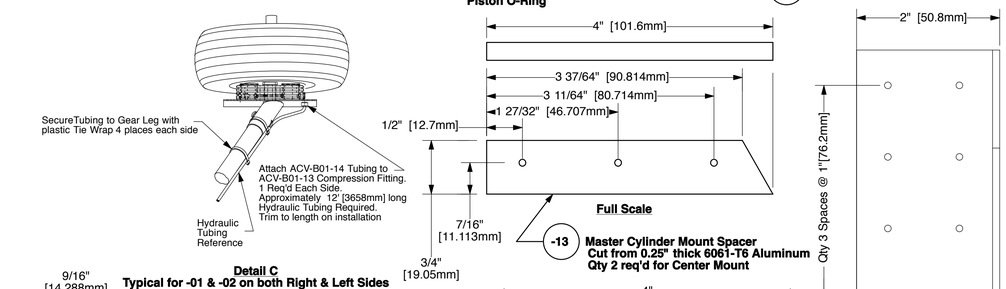
-05 Brake Handle
3/16" Thick 6061-T6 Aluminum
1 Required for Center or Left Brake Mount.
Note: Can be made from Existing SNX-L05-05 Brake Handle. Lower Mount Holes and lower cut profile determined by Builder to allow for brake to engage in existing parking brake bracket.

Detail of -05 Brake Handle
Scale: 1/2

Mount Profile and Mount Hole Locations (shown here for Center Mount View F-F) Determined by clamping handle to Master Cylinder and marking thru holes and lower profile

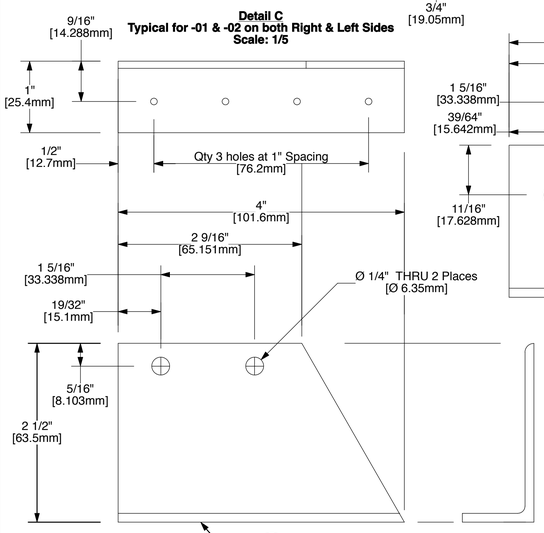
-15 Outbd Master Cylinder Mount
Cut from 2.5" x 2.5" x 0.125" thick 6061-T6 Aluminum
Qty 1 req'd for Side Brake Mount
Full Scale



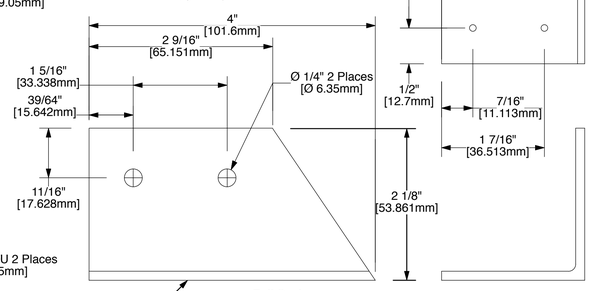


Full Scale

-13 Master Cylinder Mount Spacer
Cut from 0.25" thick 6061-T6 Aluminum
Qty 2 req'd for Center Mount



Detail C
Typical for -01 & -02 on both Right & Left Sides
Scale: 1/5



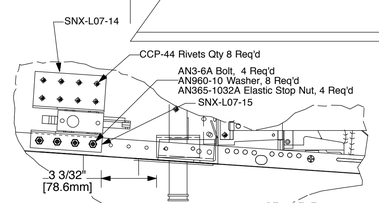
Full Scale

-14 Inbd Master Cylinder Mount
Cut from 2.5" x 2.5" x 0.125" thick 6061-T6 Aluminum
Qty 1 req'd for Side Mounted Brake

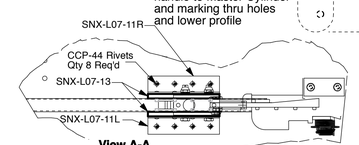
Full Scale

-11R RH Master Cylinder Mount Angle (Opposite)
Cut from 2.5" x 2.5" x 0.125" thick 6061-T6 Aluminum
Qty 1 req'd for Center Mount

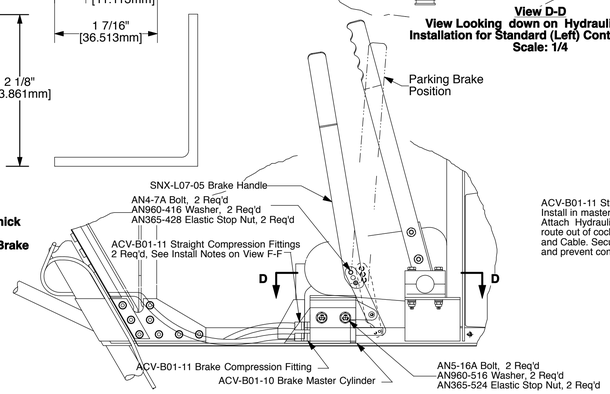
-11L LH Master Cylinder Mount Angle (Shown)
Qty 1 req'd for Center Mount



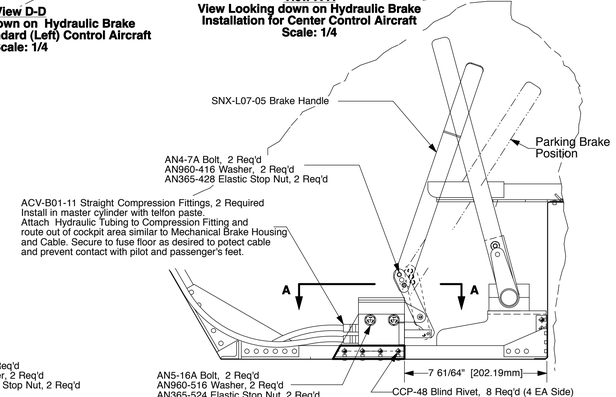
View D-D
View Looking down on Hydraulic Brake Installation for Standard (Left) Control Aircraft
Scale: 1/4



View A-A
View Looking down on Hydraulic Brake Installation for Center Control Aircraft
Scale: 1/4



View E-E
View Looking Outboard at Left Hand Fuselage Side
Hydraulic Brake Installation for Side Mounted Brake
Replaces SNX-L05 View B-B
Scale: 1/4



View F-F
View Looking Inboard from Left Hand Fuselage Side
Hydraulic Brake Installation for Center Control Aircraft
Replaces SNX-C08 View F-F
Scale: 1/4

Note: Building the Aircraft with the Optional Hydraulic Brakes

The Optional Hydraulic Brake is not called out in the sonex Drawing System. To Build the Aircraft with with the optional Hydraulic Brake the following revisions must be made on the followings drawings:

The following parts and assemblies are not required:
SNX-L01-06R/-06L Brake Cable Guide Tubes (Qty 2)
SNX-L01-07 Axle Spacer (Qty 2)
SNX-L01 Azusa Brake Arms (Qty 2)
SNX-L05-01 Standard Gear Brake Handle and Cable Installation
SNX-L05-02 Tricycle Gear Brake Handle and Cable Installation
SNX-L05-03 Standard Gear Brake Handle Assembly
SNX-L05-04 Tricycle Gear Brake Handle Assembly
SNX-L05-06 Stop Plate
SNX-L05-07 Pivot Angle
SNX-L05-08 Pivot Angle
SNX-L05-09 Std Gear Brake Cable Guide
SNX-L05-10 Tricycle Gear Brake Cable Guide
SNX-L05-11 Pulley Link
SNX-L05 Detail A
SNX-L05 View F-F

The following parts and assemblies are modified for the hydraulic brake installation:
-SNX-L01-01 (Std Gear) and -02 (Tri Gear) Detail A: Delete the -06L/R Cable Guide and replace with AN960-416 Washers Qty 2EA Side.
-SNX-L01-01 (Std Gear) and -02 (Tri Gear): Replace -09 Wheel Assembly Reference with SNX-L07-09 Wheel Assembly
-SNX-L01-08R/-08L Axle Brake Assembly replaced by SNX-L07-08R/-08L Axle Brake Assembly.
-SNX-L01-09 Wheel Assembly (Qty 2) Replaced by SNX-L07-09 Wheel Assembly (Qty 2)
-SNX-L01 Detail B Replaced by SNX-L07 Detail B
-SNX-L05-05 Brake Handle Modified per Detail SNX-L07-07
-SNX-L05 View B-B Replaced by SNX-L07 View E-E
-SNX-L05 Detail C Replaced by SNX-L07 Detail C
-SNX-L05 View D-D Replaced by SNX-L07 View E-E (routing of hydraulic tubing only difference between tri-gear and tail dragger)
-SNX-L05 View E-E hole in tunnel angle must be increased for hydraulic tubing.
-SNX-L06-05R/-05L Replaced by SNX-L07-12R/-12L
-SNX-C08-01 Installation. Brake Top View Replaced by SNX-L07 View A-A
-SNX-C08 View F-F Replaced by SNX-L07 View F-F.

Additional Hardware Required

Center Mount Hardware:
MS21047-3 Anchor Nuts Qty 4 Req'd on -07
AN5-16A Bolt, 2 Req'd
AN960-516 Washer, 2 Req'd
AN365-524 Elastic Stop Nut, 2 Req'd
AN960-416 Washer, 4 Additional Required
MS20392-3C49 Clevis Pin, 1 Required on -08R / -08L
AN960-416 Washer, 1 Req'd on -08R/-08L
MS24665-134 Cotter Pin 1 Req'd on -08R/-08L
AN4-7A Bolt, 2 Req'd
AN960-416 Washer, 2 Req'd
AN365-428 Elastic Stop Nut, 2 Req'd

Side Mount Hardware:
MS21047-3 Anchor Nuts Qty 4 Req'd on -07
AN5-16A Bolt, 2 Req'd
AN960-516 Washer, 2 Req'd
AN365-524 Elastic Stop Nut, 2 Req'd
AN4-7A Bolt, 2 Req'd
AN960-416 Washer, 2 Req'd
AN365-428 Elastic Stop Nut, 2 Req'd
AN3-6A Bolt, 4 Req'd
AN960-10 Washer, 8 Req'd
AN365-1032A Elastic Stop Nut, 4 Req'd
MS20392-3C49 Clevis Pin, 1 Required on -08R / -08L
AN960-416 Washer, 1 Req'd on -08R/-08L
MS24665-134 Cotter Pin 1 Req'd on -08R/-08L

Dash Number	Quantity Required	Part Title	Next Assembly
		Tri-Gear Main Gear Installation	SNX-F04
		Std Gear Main Gear Installation	SNX-F04

sonex

Optional Hydraulic Brake Installation

Drawing Scale	Drawing Number	Revision
1/4 & Noted	SNX-L07	A