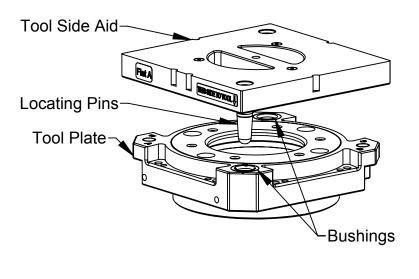
Step1: Place the Tool Plate in the Tool Stand. Programs should be written with the Tool Plate resting in the Tool Stand.

Step 2: Mount the Tool Side Aid over the Tool Plate by inserting the Locating Pins into the Bushings. Orient the Tool Side Aid such that the 'A' Flat corresponds to the 'A' Flat on the Tool Plate.



+Z Direction

Step 3: Mount the Master Side Aid to the QC Master Plate ensuring that the taper pins enter the corresponding holes in the Master Side Aid. Orient the Master Side Aid such that the 'A' Flat corresponds to the 'A' Flat on the Master Plate. Energize the Locking Mechanism to secure the Master Side Aid in place.

Initial Drawing Step 4:

Description

Rev.

01

Master Plate

Master Side Aid

Master and Tool Flat

ID's must match



Move the Master Plate Assembly slowly downward until the Master and Tool Side Aids are approximately 1mm apart.

Step 6:

Adjust the position of the robot to correct for any lateral misalignment. Use the Alignment Marks to align the Tool Side and Master Side Aids.

0

Field

Step 7:

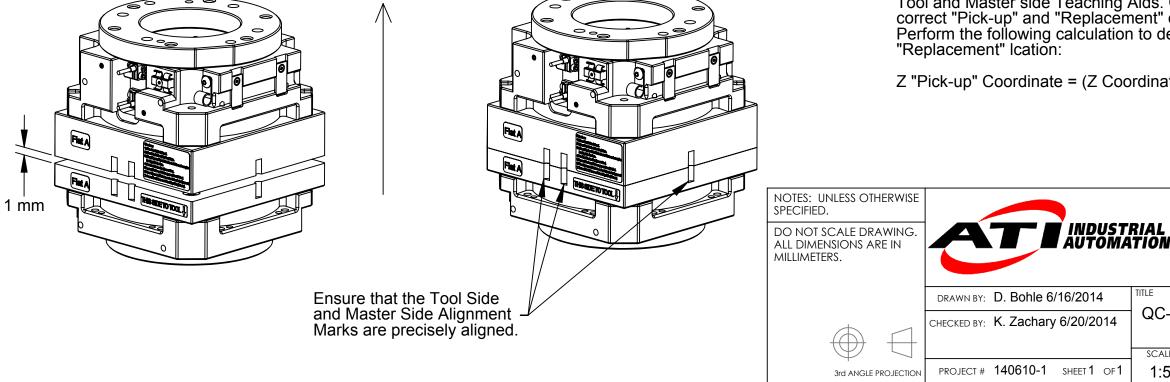
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Record the robot coordinates from Step 6. A correction must now be made to the Z coordinate to account for the thickness of the Tool and Master side Teaching Aids. Only in this way can the correct "Pick-up" and "Replacement" coordinates be determined. Perform the following calculation to determine the "Pick-up" and

Z "Pick-up" Coordinate = (Z Coordinate from Step 6) - (55mm)

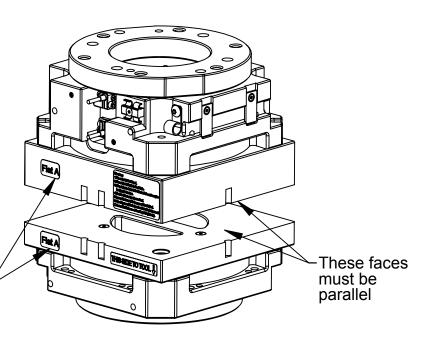
TITLE

QC-



Initiator	Date
DBoh	6/19/2014

Bring the Master Plate Assembly to a position directly over the Tool Plate Assembly. The Master Plate Assembly's face should be parallel to the Tool Plate Assembly's face. Ensure that the orientation of the Master and Tool assemblies are such that the Flat ID's correspond (i.e. 'A' Master to 'A' Tool, etc.)).



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