' First we will update the OD of each of the saddle components

Parameter("Saddle-1:1", "TANK\_OD") = TANK\_OD

Parameter("Saddle-2:1", "TANK\_OD") = TANK\_OD

Parameter("Saddle-3:1", "TANK\_OD") = TANK\_OD

' Update flange width of the skid assembly

Parameter("Saddle-1:1", "SKID\_FW") = SKID\_FW

Parameter("Saddle-2:1", "SKID\_FW") = SKID\_FW

Parameter("Saddle-3:1", "SKID\_FW") = SKID\_FW

' Update flange height of the skid assembly

Parameter("Saddle-1:1", "SKID\_FH") = SKID\_FH

Parameter("Saddle-2:1", "SKID\_FH") = SKID\_FH

Parameter("Saddle-3:1", "SKID\_FH") = SKID\_FH

' Update flange thickness and radius

Parameter("Saddle-2:1", "SKID\_FL\_THK") = SKID\_FL\_THK

Parameter("Saddle-3:1", "SKID\_FL\_THK") = SKID\_FL\_THK

Parameter("Saddle-2:1", "SKID\_FLG\_RAD") = SKID\_FLG\_RAD

' Update web thickness

Parameter("Saddle-2:1", "SKID\_WEB\_THK") = SKID\_WEB\_THK

' Update flange radii

Parameter("Saddle-2:1", "SKID\_FLG\_RAD") = SKID\_FLG\_RAD

' Update width of saddle plates

Parameter("Saddle-1:1", "SAD\_W") = SAD\_W

Parameter("Saddle-3:1", "SAD\_W") = SAD\_W

' Update saddle offset for welding

Parameter("Saddle-2:1", "SAD\_OFF") = SAD\_OFF

' Update thickness of saddle plates

Parameter("Saddle-1:1", "SAD\_TOP\_THK") = SAD\_TOP\_THK

Parameter("Saddle-2:1", "SAD\_TOP\_THK") = SAD\_TOP\_THK

' Update Saddle Width in the main plate

If TANK\_OD <= 30 in Then

Parameter("Saddle-2:1", "SAD\_W") = SKID\_W - 2 ul \* SKID\_FW - 2 ul \* SAD\_OFF

Else

Parameter("Saddle-2:1", "SAD\_W") = SKID\_W - SKID\_FW - SKID\_WEB\_THK - 2 ul \* SAD\_OFF

End If

InventorVb.DocumentUpdate()