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<?xml version="1.0" encoding="UTF-8"?>
<Gauge Version="1.0" Name="ecu">
  <Image Name="ecu_background.bmp" UseTransparency="Yes"/>
  <!-- ===== Pitch Trim Wheel ===== -->
  - <Element>
    <Position Y="44" X="41"/>
    - <Select>
      <Value Maximum="100" Minimum="-100">(A:Elevator Trim Pct,percent) 7.692 / near
        -12 max 13 min </Value>
      - <Case Value="-12">
        <Image Name="trim_wheel_1.bmp"/>
      </Case>
      - <Case Value="-11">
        <Image Name="trim_wheel_2.bmp"/>
      </Case>
      - <Case Value="-10">
        <Image Name="trim_wheel_3.bmp"/>
      </Case>
      - <Case Value="-9">
        <Image Name="trim_wheel_4.bmp"/>
      </Case>
      - <Case Value="-8">
        <Image Name="trim_wheel_5.bmp"/>
      </Case>
      - <Case Value="-7">
        <Image Name="trim_wheel_6.bmp"/>
      </Case>
      - <Case Value="-6">
        <Image Name="trim_wheel_7.bmp"/>
      </Case>
      - <Case Value="-5">
        <Image Name="trim_wheel_8.bmp"/>
      </Case>
      - <Case Value="-4">
        <Image Name="trim_wheel_9.bmp"/>
      </Case>
      - <Case Value="-3">
        <Image Name="trim_wheel_10.bmp"/>
      </Case>
      - <Case Value="-2">
        <Image Name="trim_wheel_11.bmp"/>
      </Case>
      - <Case Value="-1">
        <Image Name="trim_wheel_12.bmp"/>
      </Case>
      - <Case Value="0">
        <Image Name="trim_wheel_13.bmp"/>
      </Case>
      - <Case Value="1">

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        <Image Name="trim_wheel_14.bmp"/>
    </Case>
- <Case Value="2">
    <Image Name="trim_wheel_15.bmp"/>
    </Case>
- <Case Value="3">
    <Image Name="trim_wheel_16.bmp"/>
    </Case>
- <Case Value="4">
    <Image Name="trim_wheel_17.bmp"/>
    </Case>
- <Case Value="5">
    <Image Name="trim_wheel_18.bmp"/>
    </Case>
- <Case Value="6">
    <Image Name="trim_wheel_19.bmp"/>
    </Case>
- <Case Value="7">
    <Image Name="trim_wheel_20.bmp"/>
    </Case>
- <Case Value="8">
    <Image Name="trim_wheel_21.bmp"/>
    </Case>
- <Case Value="9">
    <Image Name="trim_wheel_22.bmp"/>
    </Case>
- <Case Value="10">
    <Image Name="trim_wheel_23.bmp"/>
    </Case>
- <Case Value="11">
    <Image Name="trim_wheel_24.bmp"/>
    </Case>
- <Case Value="12">
    <Image Name="trim_wheel_25.bmp"/>
    </Case>
</Select>
</Element>
<!-- ===== Left Prop ===== -->
- <Element>
    <Position Y="118" X="96"/>
    - <Image Name="ecu_prop_lever_left.bmp" UseTransparency="Yes">
        <Axis Y="0" X="0"/>
        </Image>
    - <Shift>
        <Value Maximum="100" Minimum="0">(A:General eng1 propeller lever position,
            percent)</Value>
        <Scale Y="-1.0"/>
    </Shift>
</Element>

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    <!-- ===== Right Prop ===== -->
- <Element>
  <Position Y="111" X="138"/>
  - <Image Name="ecu_prop_lever_right.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:General eng2 propeller lever position,
      percent)</Value>
    <Scale Y="-1.0"/>
  </Shift>
</Element>
  <!-- ===== Right Carb Heat ===== -->
- <Element>
  <Position Y="206" X="313"/>
  - <Image Name="ecu_carb_heat_right_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:General eng anti ice position:2,position)
      100 * 100 r -</Value>
    <Scale Y="-0.30"/>
  </Shift>
</Element>
  <!-- ===== Left Carb Heat ===== -->
- <Element>
  <Position Y="190" X="302"/>
  - <Image Name="ecu_carb_heat_left_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:General eng anti ice position:1,position)
      100 * 100 r -</Value>
    <Scale Y="-0.30"/>
  </Shift>
</Element>
  <!-- ===== Right Mixture ===== -->
- <Element>
  <Position Y="57" X="260"/>
  - <Image Name="ecu_mixture_right_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:general eng2 mixture lever
      position:2,percent)</Value>
    <Scale Y="-0.49"/>
  </Shift>
</Element>
  <!-- ===== Left Mixture ===== -->

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- <Element>
  <Position Y="58" X="237"/>
  - <Image Name="ecu_mixture_left_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:general eng1 mixture lever
      position:1,percent)</Value>
    <Scale Y="-0.49"/>
  </Shift>
</Element>
<!-- ===== Left Throttle ===== -->
- <Element>
  <Position Y="70" X="177"/>
  - <Image Name="ecu_throttle_left_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:general eng1 throttle lever
      position:1,percent)</Value>
    <Scale Y="-0.644"/>
  </Shift>
</Element>
<!-- ===== Right Throttle ===== -->
- <Element>
  <Position Y="70" X="224"/>
  - <Image Name="ecu_throttle_right_lever.bmp" UseTransparency="Yes">
    <Axis Y="0" X="0"/>
  </Image>
  - <Shift>
    <Value Maximum="100" Minimum="0">(A:general eng2 throttle lever
      position:2,percent)</Value>
    <Scale Y="-0.644"/>
  </Shift>
</Element>
<!-- ===== Left Fuel Selector ===== -->
- <Element>
  <Position Y="350" X="67"/>
  - <Select>
    <Value>(A:Fuel tank selector:1,enum)</Value>
    - <Case Value="0">
      - <Image Name="ecu_fuel_tank_selector_off.bmp" UseTransparency="Yes">
        <Axis Y="25" X="47"/>
      </Image>
    </Case>
    <!-- If ALL then default to LEFT MAIN-->
    - <Case Value="1">
      - <Image Name="ecu_fuel_tank_selector_left_main.bmp"
        UseTransparency="Yes">

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                <Axis Y="29" X="19"/>
            </Image>
        </Case>
    - <Case Value="2">
        - <Image Name="ecu_fuel_tank_selector_left_main.bmp"
          UseTransparency="Yes">
            <Axis Y="29" X="19"/>
        </Image>
    </Case>
    - <Case Value="3">
        - <Image Name="ecu_fuel_tank_selector_right_main.bmp"
          UseTransparency="Yes">
            <Axis Y="25" X="32"/>
        </Image>
    </Case>
    - <Case Value="6">
        - <Image Name="ecu_fuel_tank_selector_aux.bmp" UseTransparency="Yes">
            <Axis Y="24" X="31"/>
        </Image>
    </Case>
</Select>
</Element>
    <!-- ===== Right Fuel Selector ===== -->
- <Element>
    <Position Y="350" X="328"/>
    - <Select>
        <Value>(A:Fuel tank selector:2,enum)</Value>
        - <Case Value="0">
            - <Image Name="ecu_fuel_tank_selector_off.bmp" UseTransparency="Yes">
                <Axis Y="25" X="47"/>
            </Image>
        </Case>
        <!-- If ALL the default to RIGHT MAIN-->
        - <Case Value="1">
            - <Image Name="ecu_fuel_tank_selector_right_main.bmp"
              UseTransparency="Yes">
                <Axis Y="25" X="32"/>
            </Image>
        </Case>
        - <Case Value="2">
            - <Image Name="ecu_fuel_tank_selector_left_main.bmp"
              UseTransparency="Yes">
                <Axis Y="29" X="19"/>
            </Image>
        </Case>
        - <Case Value="3">
            - <Image Name="ecu_fuel_tank_selector_right_main.bmp"
              UseTransparency="Yes">
                <Axis Y="25" X="32"/>

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        </Image>
    </Case>
    - <Case Value="6">
        - <Image Name="ecu_fuel_tank_selector_aux.bmp" UseTransparency="Yes">
            <Axis Y="24" X="31"/>
        </Image>
    </Case>
</Select>
</Element>
- <Mouse>
    <!-- Pitch Trim -->
    - <Area Bottom="281" Right="62" Top="46" Left="41">
        <Help ID="HELPID_GAUGE_PITCH_TRIM"/>
        <Tooltip ID="TOOLTIPTEXT_PITCH_TRIM"/>
    - <Area Bottom="163">
        <Cursor Repeat="Yes" Type="DownArrow"/>
        <Click Repeat="Yes" MouseWheelFlip="Yes"> (A:Elevator Trim Position,degrees)
            -11.99 > if{ 0 < if{ 24 (>G:Var1) } 0 (> K:ELEV_TRIM_DN) } </Click>
    </Area>
    - <Area Top="164">
        <Cursor Repeat="Yes" Type="UpArrow"/>
        <Click Repeat="Yes" MouseWheelFlip="Yes"> (A:Elevator Trim Position,degrees)
            11.99 < if{ 24 > if{ 0 (>G:Var1) } 0 (> K:ELEV_TRIM_UP) } </Click>
    </Area>
</Area>
    <!-- Prop L -->
    - <Area Top="12" Left="97" Height="156" Width="37">
        <Help ID="HELPID_GAUGE_THROTTLE_PROP"/>
        <Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG1_PROPELLER"/>
        <Cursor Type="Hand"/>
        <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 31 - (*skip top runoff*) 105 - d
            105 /-/ 0 max 1 min 16384.0 * (>K:PROP_PITCH1_SET) </Click>
        <MouseWheelUp Event="PROP_PITCH1_INCR"/>
        <MouseWheelDown Event="PROP_PITCH1_DECR"/>
    </Area>
    <!-- Prop - Both -->
    - <Area Top="12" Left="134" Height="156" Width="6">
        <Help ID="HELPID_GAUGE_THROTTLE_PROP"/>
        <Cursor Type="Hand"/>
        <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 31 - (*skip top runoff*) 105 - d
            105 /-/ 0 max 1 min 16384.0 * d (>K:PROP_PITCH1_SET)
            (>K:PROP_PITCH2_SET) </Click>
        <MouseWheelUp>(>K:PROP_PITCH1_INCR) (>K:PROP_PITCH2_INCR)
        </MouseWheelUp>
        <MouseWheelDown>(>K:PROP_PITCH1_DECR) (>K:PROP_PITCH2_DECR)
        </MouseWheelDown>
    </Area>
    <!-- Prop R -->
    - <Area Top="12" Left="140" Height="156" Width="40">

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<Help ID="HELPID_GAUGE_THROTTLE_PROP"/>
<Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG2_PROPELLER"/>
<Cursor Type="Hand"/>
<Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 31 - (*skip top runoff*) 105 - d
    105 /-/ 0 max 1 min 16384.0 * (>K:PROP_PITCH2_SET) </Click>
<MouseWheelUp Event="PROP_PITCH2_INCR"/>
<MouseWheelDown Event="PROP_PITCH2_DECR"/>
</Area>
<!-- Throttle L -->
- <Area Top="7" Left="179" Height="107" Width="30">
  <Help ID="HELPID_GAUGE_THROTTLE_THROTTLE"/>
  <Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG1_THROTTLE_PERCENT"/>
  <Cursor Type="Hand"/>
  <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 24 - (*skip top runoff*) 65 /
    (*divide by running height*) 0 max 1 min (*into [0-1]*) 1 -/-/ (*from bttom to top*)
    1 (A:Throttle lower limit,part) s0 - * 10 + (*apply lower limit*) 16384.0 *
    (*KEY_THROTTLE1_SET requires 16k*) (>K:THROTTLE1_SET) </Click>
  <MouseWheelUp Event="THROTTLE1_INCR"/>
  <MouseWheelDown Event="THROTTLE1_DECR"/>
</Area>
<!-- Throttle - Both -->
- <Area Top="7" Left="209" Height="107" Width="29">
  <Help ID="HELPID_GAUGE_THROTTLE_THROTTLE"/>
  <Cursor Type="Hand"/>
  <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 24 - (*skip top runoff*) 65 /
    (*divide by running height*) 0 max 1 min (*into [0-1]*) 1 -/-/ (*from b0ttom to
    top*) 1 (A:Throttle lower limit,part) s0 - * 10 + (*apply lower limit*) 16384.0 *
    (*KEY_THROTTLE1_SET requires 16k*) d (>K:THROTTLE1_SET)
    (>K:THROTTLE2_SET) </Click>
  <MouseWheelUp>(>K:THROTTLE1_INCR) (>K:THROTTLE2_INCR)
  </MouseWheelUp>
  <MouseWheelDown>(>K:THROTTLE1_DECR) (>K:THROTTLE2_DECR)
  </MouseWheelDown>
</Area>
<!-- Throttle R -->
- <Area Top="7" Left="238" Height="107" Width="38">
  <Help ID="HELPID_GAUGE_THROTTLE_THROTTLE"/>
  <Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG2_THROTTLE_PERCENT"/>
  <Cursor Type="Hand"/>
  <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 24 - (*skip top runoff*) 65 /
    (*divide by running height*) 0 max 1 min (*into [0-1]*) 1 -/-/ (*from b0ttom to
    top*) 1 (A:Throttle lower limit,part) s0 - * 10 + (*apply lower limit*) 16384.0 *
    (*KEY_THROTTLE2_SET requires 16k*) (>K:THROTTLE2_SET) </Click>
  <MouseWheelUp Event="THROTTLE2_INCR"/>
  <MouseWheelDown Event="THROTTLE2_DECR"/>
</Area>
<!-- Mixture L -->
- <Area Top="13" Left="280" Height="83" Width="36">
  <Help ID="HELPID_GAUGE_THROTTLE_MIXTURE"/>

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<Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG1_MIXTURE_PERCENT"/>
<Cursor Type="Hand"/>
<Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 32 - 46 / 0 max 1 min 1 - /-
  16384.0 * (>K:MIXTURE1_SET) </Click>
<MouseWheelUp Event="MIXTURE1_INCR"/>
<MouseWheelDown Event="MIXTURE1_DECR"/>
</Area>
<!-- Mixture - Both -->
- <Area Top="13" Left="316" Height="83" Width="13">
  <Help ID="HELPID_GAUGE_THROTTLE_MIXTURE"/>
  <Cursor Type="Hand"/>
  <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 32 - 46 / 0 max 1 min 1 - /-
    16384.0 * d (>K:MIXTURE1_SET) (>K:MIXTURE2_SET) </Click>
  <MouseWheelUp>(>K:MIXTURE1_INCR) (>K:MIXTURE2_INCR)
  </MouseWheelUp>
  <MouseWheelDown>(>K:MIXTURE1_DECR) (>K:MIXTURE2_DECR)
  </MouseWheelDown>
</Area>
<!-- Mixture R -->
- <Area Top="13" Left="329" Height="83" Width="36">
  <Help ID="HELPID_GAUGE_THROTTLE_MIXTURE"/>
  <Tooltip ID="TOOLTIPTEXT_THROTTLE_ENG2_MIXTURE_PERCENT"/>
  <Cursor Type="Hand"/>
  <Click Kind="LeftSingle+LeftDrag"> (M:Y) (*Get Y*) 32 - 46 / 0 max 1 min 1 - /-
    16384.0 * (>K:MIXTURE2_SET) </Click>
  <MouseWheelUp Event="MIXTURE2_INCR"/>
  <MouseWheelDown Event="MIXTURE2_DECR"/>
</Area>
<!-- Carb Heat L -->
- <Area Top="157" Left="315" Height="70" Width="23">
  <Help ID="HELPID_CESS_CARB_HEAT"/>
  <Tooltip ID="TOOLTIPTEXT_ENG1_CARB_HEAT"/>
  <Click Event="ANTI_ICE_TOGGLE_ENG1"/>
  <Cursor Type="Hand"/>
</Area>
<!-- Carb Heat R -->
- <Area Top="174" Left="339" Height="70" Width="23">
  <Help ID="HELPID_CESS_CARB_HEAT"/>
  <Tooltip ID="TOOLTIPTEXT_ENG2_CARB_HEAT"/>
  <Click Event="ANTI_ICE_TOGGLE_ENG2"/>
  <Cursor Type="Hand"/>
</Area>
<!-- Fuel Selector L -->
- <Area Top="312" Left="29" Height="76" Width="76">
  <Help ID="HELPID_GAUGE_FUEL_SELECTOR"/>
  <Tooltip ID="TOOLTIPTEXT_DC3_LEFT_FUEL_SELECTOR"/>
  - <Area Top="38" Left="39" Height="36" Width="40">
    <Tooltip ID="">Engine 1 Fuel Selector Off</Tooltip>
    <Help ID="">

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        <Cursor Type="Hand"/>
        <Click>(>K:FUEL_SELECTOR_OFF) </Click>
    </Area>
- <Area Top="0" Left="0" Height="33" Width="38">
    <Tooltip ID="">Engine 1 Fuel Selector Left Main</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>19 (>K:FUEL_SELECTOR_SET) </Click>
</Area>
- <Area Top="0" Left="39" Height="38" Width="37">
    <Tooltip ID="">Engine 1 Fuel Selector Right Main</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>20 (>K:FUEL_SELECTOR_SET) </Click>
</Area>
- <Area Top="36" Left="0" Height="31" Width="37">
    <Tooltip ID="">Engine 1 Fuel Selector Left Aux</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>4 (>K:FUEL_SELECTOR_SET) </Click>
</Area>
</Area>
<!-- Fuel Selector R -->
- <Area Top="312" Left="290" Height="76" Width="76">
    <Help ID="HELPID_GAUGE_FUEL_SELECTOR"/>
    <Tooltip ID="TOOLTIPTEXT_DC3_RIGHT_FUEL_SELECTOR"/>
- <Area Top="38" Left="39" Height="36" Width="40">
    <Tooltip ID="">Engine 1 Fuel Selector Off</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>(>K:FUEL_SELECTOR_2_OFF) </Click>
</Area>
- <Area Top="0" Left="0" Height="33" Width="38">
    <Tooltip ID="">Engine 1 Fuel Selector Left Main</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>19 (>K:FUEL_SELECTOR_2_SET) </Click>
</Area>
- <Area Top="0" Left="39" Height="38" Width="37">
    <Tooltip ID="">Engine 1 Fuel Selector Right Main</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>20 (>K:FUEL_SELECTOR_2_SET) </Click>
</Area>
- <Area Top="36" Left="0" Height="31" Width="37">
    <Tooltip ID="">Engine 1 Fuel Selector Right Aux</Tooltip>
    <Help ID="">
    <Cursor Type="Hand"/>
    <Click>5 (>K:FUEL_SELECTOR_2_SET) </Click>

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</Area>  
</Area>  
</Mouse>  
</Gauge>
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