• ORBITAL MANEUVERING SYSTEM MODULES • DRAG CHUTE WINGS - TO MAIN ENGINE CONTROLLERS PURGE CIRCUIT NO. 3 DRAG CHUTE VERTICAL STABILIZER - DRAG CHUTE (TYPICAL 3 PLACES) • MAIN ENGINE CONTROLLERS PURGE DUCT -• STAR TRACKER BAY VENT DUCT • MAIN ENGINE BULK AREAS -• FORWARD REACTION CONTROL SUBSYTEM (RCS) MODULE FORWARD FUSELAGE ORBITAL MANEUVERING SYSTEM MODULE VENT DUCTS - WINDOW CAVITY NITROGEN PURGE QUICK-DISCONNECTS (GROUND SERVICING) NITROGEN (N2) PURGE PORT (T-0 UMBILICAL PANEL) WINDOW CAVITY CONDITIONING SYSTEM TO ORBITAL MANEUVERING SYSTEM MODULE TO MAIN ENGINE BULK AREAS - VENT DOOR NO. 8 (RIGHT-HAND TYPICAL) TO WING CAVITIES LIQUID OXYGEN (RIGHT-HAND TYPICAL) (LO<sub>2</sub>) EXTERNAL TANK UMBILICAL -- LIQUID HYDROGEN (LH2) EXTERNAL TANK UMBILICAL PURGE CIRCUIT NO. 2 • LOWER MIDFUSELAGE - AVIONICS BAY NO. 3A HEAT EXCHANGER EQUIPMENT BAY WINDOW CAVITY • PAYLOAD BAY -CREW MODULE AIR REVITALIZATION DUCTING NITROGEN (N2) PURGE PAYLOADS QUICK-DISCONNECTS - CABIN AIR HEAT EXCHANGER (GROUND SERVICING) -CO2 ABSORBER AND TEMP CONTROL ASSEMBLY CABIN -AVIONICS BAY NO. 1 HEAT EXCHANGER FAN AND DEBRIS TRAP

PURGE CIRCUIT NO. 1

0210AOER1.A39;1

(a) Purge/conditioning/air revitalization systems ducting.

Figure 2-10.- Environmental control and life support system component/line locator.