



Arrow pointer on pictorial deviation indicator and radio magnetic indicator pointer on gyro compass indicator reverse 180 degrees to show station passage. Radio beam control automatically returned when beam signal becomes reliable. Outbound course change of 20 degrees or less (depending on altitude and airspeed) accomplished by setting new radial on pictorial deviation indicator. For changes greater than 20 degrees, follow procedure from step 1.

Radio signals are automatically removed and airplane flies through "zone of confusion" on corrected heading signals and gyro reference.

Airplane now on course. Wind drift errors automatically corrected. Bank angle limit 7 degrees.

When arrow pointer on pictorial deviation indicator moves between the first and second dot, airplane will begin bracketing.

Tune omnireceiver to desired VOR station. Select radial heading (as an example 000 is shown) on pictorial deviation indicator. Establish desired intercept angle. Rotate Turn Selector switch to LOC-VOR. If the 180 degree radial is selected, the airplane will turn and bracket outbound from the station.

HL-853

Autopilot Omnirange Flight  
Figure 3

1 October 1961