























Flying with the KAP140 & GFC700 autopilots

- GFC700 autopilot
- 1. Activate next leg of flight plan (OBS mode is automatically cancelled)
- 2. Press OBS soft key
- 3. Change course using CRS knob to direction of next leg
- Hold CWS button and make the turn to intercept the next course line and maneuver the aircraft to the desired search altitude, then release CWS button
- 5. Synchronize the HDG bug
- 6. Release CWS button















Sector Search

Single User waypoint DIS, TRK and OBS

- Input user waypoint for center of sector search by LaI/Long. Enter a flight plan from the departure airport or present position to the center of the sector search, position aircraft to intercept and fly inbound to the search center on the radial closest to the direction of fight. Select this radial using the OBS function. Fly in A/P HDG or NAV mode.
- After arrival at the search center continue to fly the same track out to the search radius on the other side of the center using DIS to verify position from the center and the OBS line for course guidance
- course guidance When DIS - search radius, synch the HDG bug, engage the A/P in HDG mode select next radial using OBS, D/C A/P and turn right to intercept the next inbound radial track. The next radial bearing -90 degrees is a good heading to fly to intercept the next radial inbound. Synch the HDG bug Reengage the A/P in HDG then NAV mode.











Route Search

Using flight plan and XTK Enter and activate a flight plan for the route using a combination of Airports, VORs, NDBs and user waypoints as appropriate. Note the true course for each leg of the flight plan

Fly the required parallel track offset by using the MFD data bar for cross track information (XTK) relative to the flight plan route

Fly the parallel track in A/P HDG mode, use the current track bug on the PFD HSI to assist maintaining the parallel track

