

Manufacturer	Agusta
Model(s)	A109A, A109A II, and A109C
Issue Date	February 1993
Issue Number	1
General	<p>Maximum distance and altitude separation from noise-sensitive areas are the most effective means of noise abatement.</p> <p>Control movement should be gradual and smooth. Noise exposure is:</p> <ul style="list-style-type: none"> ◆ lower behind than forward of the helicopter, ◆ lower on the left side than on the right side of the helicopter, ◆ lower to the sides of the flight path than directly underneath, and ◆ lower upwind than downwind of the helicopter
Ground Operations	No Available Information
Hover Hover-Taxi Ground-Taxi	No Available Information
Takeoff and Climb	<p>Take off into the wind. Climb at the best rate of climb in order to reach altitude as soon as possible.</p> <p>Avoid a maximum power climb over noise-sensitive areas, when possible.</p>
Enroute and Cruise Flyover	<p>When crossing noise-sensitive areas, limit airspeed to 130 knots.</p> <p>Plan routes to keep noise-sensitive areas on the left side of the helicopter.</p> <p>Where possible, maintain a minimum altitude of 1,500 feet above ground level.</p>
Turns	No Available Information
Descent/ Approach and Landing	<p>The speed of approach should be approximately 60 knots throughout the descent, until just before landing.</p> <p>Use a steeper than normal approach-an angle of approximately 12-15° is best. This is almost the angle used for autorotation.</p> <p>Do not increase the power until you are within 100 feet of the ground. Then flare and increase the power as for a normal landing.</p>

	<p>Plan the approach and landing to keep noise-sensitive areas to the left of the helicopter</p> <p>Avoid descending directly over noise-sensitive areas.</p>
Comments	<p>Cruising speed for the Agusta is 140-150 knots, which falls within the requirements of ICAO Annex 16, Chapter 8 standards for inflight noise levels. Speeds below 130 knots are noticeably quieter to people on the ground.</p> <p>The A109C model is generally quieter than previous models.</p>