



SATURN
RESOURCE MANAGEMENT

PROBLEMS AND SOLUTIONS

The cooling problems discussed in the book are listed here with page numbers and section where you can find information. We define a problem as a weakness that will cause cooling costs to be higher than necessary. Does your home have any of these problems?

Problem	Suggested Solution	Section & Page #s
Lack of shade	Use all cost-effective shading options including plants, and exterior or interior window shading	
Lack of air circulation within the home	Employ ceiling fans and oscillating fans to increase air speed	
Failure to use ventilation where it is appropriate	Use ventilation whenever outdoor temperature and humidity permit; employ fans to optimize ventilation	
Excessive air leakage	Seal air leaks, after measurements of leakage are performed	
Dark wall and roof color	Lighten roof and wall color to bright white or the lightest acceptable alternative	
Inadequate maintenance of air conditioners or evaporative coolers	Perform necessary maintenance procedures	
Leaky ductwork in central air conditioning system	Seal leaks in ductwork yourself or hire a technician to do it	
Incorrect refrigerant charge and/or low air flow	Hire a qualified technician to measure charge and airflow and to take appropriate action	
Ductwork runs in unconditioned area	Insulate ductwork yourself or hire technician to insulate ducts	