An extension of the work reported by Gilreath et al., this issue, has examined the use of small gun-launched spacecraft to service large satellites on orbit. In the foreground is a conceptual picture of a 101-kg, battery-powered spacecraft designed to withstand a peak launch acceleration of 20,000 g. The servicing spacecraft would be able to install an 11-kg servicing module in a satellite orbiting at 770 km with complete autonomy. The middle inset shows the mission timeline, which is a little less than 9 days long. At the top of the illustration is a depiction of the servicing spacecraft in action. As portrayed, the target satellite has been designed to be serviced, with a variety of docking ports available to address specific maintenance, and upgrade problems.