

Fig. 4-8. *Spark plug heat rating.*

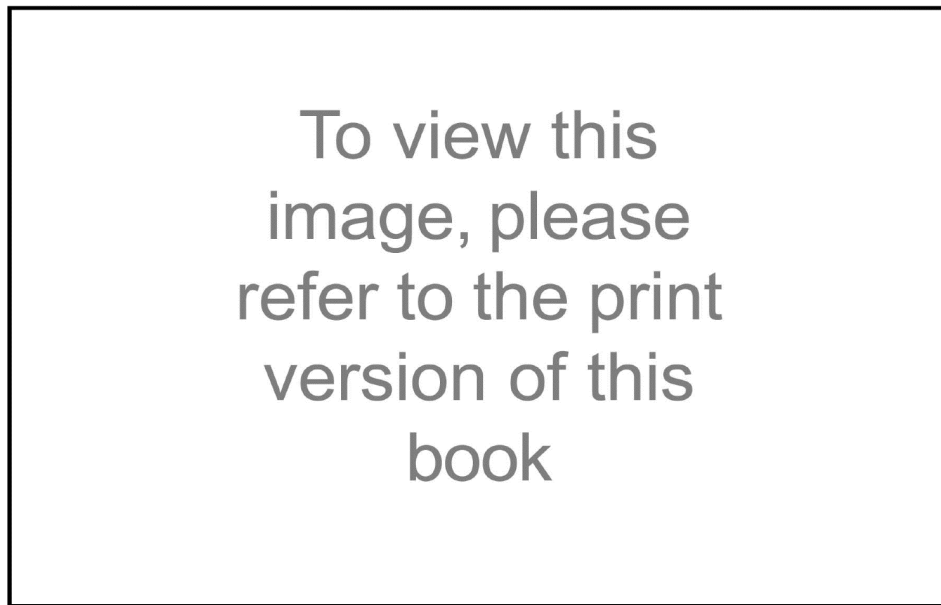


Fig. 4-9. *Massive core spark plug.* (Photo by author, courtesy of Frasca Air Services)

The reach of a spark plug is measured as the distance between the shell gasket seat to the end of the shell thread shown in Figure 4-10. Reach is determined by the cylinder-head design. The proper reach places the electrode in the best position to ignite the mixture. If the reach is too long, exposed threads easily can become “hot spots” that can cause preignition. When replacing plugs, always use a new gasket because reach includes