



TECH TIPS

Dixie Part Numbers: S-1396 S-1414 S-1433 S-1438
 S-8154 S-8654 S-8818 201-17110
 243-08101 243-08102 243-08111

Applications: 1971 – 2006 Hyster applications with 3.0L GM Engine
 1971 – 2006 Yale applications with 3.0L GM Engine
 1985 – 2006 Hyster applications with 2.0L Mazda Engine
 1985 – 2006 Yale applications with 2.0L Mazda Engine

Conditions: The operator of the vehicle may complain of one intermittent engine kickback during the cranking cycle. On applications with the GM engine the technician may find that while the starter was properly shimmed that the aluminium end frame or “nose” is broken. On the Mazda engine the aluminium end frame does not break off but noise, like the starter dragging every 3rd or 4th cycle may be observed.

Cause: A potential cause for the above conditions is electrical system noise being picked up by the ignition module and causing the spark plugs to fire prematurely.

Correction: Follow the manufacturer’s recommended diagnostic and repair procedures which may include installing a delay timer in the ignition system circuit (manufacturer’s number 1465935). The kit contains the delay time, wiring and installation instructions.