Serenji 2.6.2 or earlier requires patch when debugging on GT.M 6.3-001 or later

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Symptom (public)

When debugging code on GT.M 6.3-001 or later that uses naked global references, execution is affected by Serenji's involvement. Debugging the same code on an earlier GT.M version does not encounter the same issue.

Problem (public)

GT.M version 6.3-001 introduced a change (GTM-8366) affecting how $REFERENCE is changed when there is an error while constructing a subscripted global variable.

A consequence of this is that when debugging through code that uses naked global references it is possible for the naked indicator to be altered between commands by Serenji's support code.

Solution (public)

This issue will be fixed in the server-side routines of the next Serenji release after 2.6.2. The reference for the correction is GJL7011240.

To correct the issue manually in server-side routines shipped with 2.6.2 or earlier, make the following edit to your _SerenjB.m file.

Locate the CtxtLoad subroutine, which should look like this:

```
CtxtLoad        ; Restore context
  ; Restore naked, but only if noted and changed (minimize global
referencing)
  I $D(serenji(1)),$REFERENCE'=serenji(1) D
  . N $ZT S $ZT="ZGOTO "_$ZL_":"_"zt^%SerenjU"
  . I $D(@serenji(1))
  S $ZSTATUS=serenji(2)
  I serenji(4)
  Q
```

Amend the highlighted command [I $D(@serenji(1))] to become:

```
  . I $O(@serenji(1))
```

Ensure that the amended routine (%SerenjB) gets compiled and that any running processes using Serenji re-link to the new _SerenjB.o file.

This change is backward compatible with earlier GT.M versions.