

Testing for missing Fn argument in G38.2 block

On startup, if G38.2 is the first line of code executed:

TingG will accept the command but will not execute any actions, no error statement logged

```
$mpo
{"ej":""}
X machine posn:      0.000 mm
Y machine posn:      0.000 mm
Z machine posn:      0.000 mm
A machine posn:      0.000 deg
B machine posn:      0.000 deg
C machine posn:      0.000 deg
tinyg [mm] ok>
{"Lbs":0}
{"r":{"ej":1}, "f":[1,0,10,7782]}
```

#### G38.2 Z-2

```
{"Lbs":0}
{"r":{"f":[1,142,10,2131]}
```

TinyG response after G0 X1 move;

No change in response, the controller does not record a feed rate with G0 move

#### G38.2 Z-2

```
{"Lbs":0}
{"r":{"f":[1,142,10,2131]}
```

TinyG response after G1 X-18 F25

#### G1 X-18 F25

```
{"Lbs":0}
{"r":{"f":[1,0,12,71]}
{"sr":{"posx":-18.998,"vel":22.51,"stat":5,"feed":25.00,"momo":1,"mpox":1.002}}
{"qr":31}
{"sr":{"posx":-18.898,"vel":25.00,"mpox":1.102}}
{"sr":{"posx":-18.796,"mpox":1.204}}
{"sr":{"posx":-18.695,"mpox":1.305}}
{"sr":{"posx":-18.593,"mpox":1.407}}
{"sr":{"posx":-18.491,"mpox":1.509}}
{"sr":{"posx":-18.389,"mpox":1.611}}
{"sr":{"posx":-18.287,"mpox":1.713}}
{"sr":{"posx":-18.185,"mpox":1.815}}
{"sr":{"posx":-18.083,"mpox":1.917}}
{"sr":{"posx":-18.000,"vel":0.00,"stat":3,"mpox":2.000}}
{"qr":32}
```

## G38.2 Z-2

```
{"Lbs":0}
{"r":{"f":[1,0,10,69]}}
{"sr":{"posx":2.000,"posy":0.000,"posz":0.000,"stat":7,"coor":0}}
{"qr":32}
{"qr":31}
{"sr":{"posz":-0.098,"vel":25.00,"mpoz":-0.098}}
{"sr":{"posz":-0.200,"mpoz":-0.200}}
{"sr":{"posz":-0.302,"mpoz":-0.302}}
{"sr":{"posz":-0.404,"mpoz":-0.404}}
{"sr":{"posz":-0.506,"mpoz":-0.506}}
{"sr":{"posz":-0.608,"mpoz":-0.608}}
{"sr":{"posz":-0.710,"mpoz":-0.710}}
{"sr":{"posz":-0.812,"mpoz":-0.812}}
{"sr":{"posz":-0.914,"mpoz":-0.914}}
{"sr":{"posz":-1.016,"mpoz":-1.016}}
{"sr":{"posz":-1.118,"mpoz":-1.118}}
{"sr":{"posz":-1.218,"mpoz":-1.220}}
{"sr":{"posz":-1.320,"mpoz":-1.322}}
{"sr":{"posz":-1.422,"mpoz":-1.424}}
{"sr":{"posz":-1.524,"mpoz":-1.524}}
{"sr":{"posz":-1.626,"mpoz":-1.626}}
{"sr":{"posz":-1.728,"mpoz":-1.728}}
{"sr":{"posz":-1.830,"mpoz":-1.830}}
{"sr":{"posz":-1.932,"mpoz":-1.932}}
{"sr":{"posz":-2.000,"vel":0.00,"mpoz":-2.000}}
{"qr":32}
{"r":{"prb":{"e":0,"x":2.000,"y":0.000,"z":-2.000,"a":0.000,"b":0.000,"c":0.000}},"f":
[1,0,0,1214]}
{"sr":{"posz":-2.000,"mpoz":-2.000}}
{"sr":{"posx":-18.000,"posy":-20.000,"posz":38.000,"stat":3,"coor":1,"momo":4}}
{"qr":32}
```