

August 3, 1994

HSMEBALAN3/94323

ACCELEROMETER CONNECTIONS

The new *IC Sensors* brand accelerometer has an extra connection, compared to old *Nova* brand. This connection does not have to be taken apart. The extra connector is a flat 5 pin connector similar to MTA style. This plug comes on the accelerometer cable and has a notch with a white line for a reference. This reference on the plug should be connected to pin 1 on the matching connection (09BC05DFPQ). This connection is taped up with electrical tape to prevent it from coming apart. If the connection is plugged in backwards, the accelerometer will not work, but it will not damage the accelerometer. Both the *IC Sensors* and the *Nova* brand accelerometer come from MILNOR connected to a round 4 pin connector (09BC04BRLQ), this enables the new accelerometer to be directly interchangeable with the old. The new accelerometer does require new balance software. 64042 balance software is WUBAL1(92A00) for *Nova* and WUBAL1A(93A00) for *IC Sensors*.

IC SENSORS BRAND ACCELEROMETER

| ROUND CONNECTOR PIN NUMBER | DESCRIPTION | FLAT CONNECTOR PIN NUMBER |
|-------------------------------|---------------|------------------------------|
| PIN 1 | +12 VOLTS DC | PIN 3 |
| PIN 2 | SIGNAL | PIN 4 |
| PIN 3 | GROUND | PIN 1 |
| PIN 4 | SHIELD | PIN 5 |
| NONE | NO CONNECTION | PIN 2 (NOT USED) |

NOVA BRAND ACCELEROMETER

| ROUND CONNECTOR PIN/NUMBER | DESCRIPTION | NOVA BRAND COLOR CODE |
|-------------------------------|---------------|--------------------------|
| PIN 1 | +12 VOLTS DC | RED |
| PIN 2 | SIGNAL | WHITE |
| PIN 3 | GROUND | BLACK |
| PIN 4 | SHIELD | SHIELD |
| NONE | NO CONNECTION | NONE |