
Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

Choose Mode

Startup

Quick Motor Tune?

Yes

Enter Nameplate Motor Data?

Yes

Nameplate Hp

(See motor)

Nameplate Volts

(See motor)

Nameplate Amps

(See motor)

Nameplate Hz

(See motor)

Nameplate RPM

(See motor)

Motor Poles

4

Do you have an encoder?

No

Turn on the MCR at Control Station

Is there a Regen/Dynamic Brake?

No

Rotation Test (see Notes 1 & 2)

Press green button

Is motor rotating?

Yes

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

Is the rotation direction forward?

(Top of sheave must rotate toward center of machine)

Stop Drive

Press red button

Tune drive with 50% Current?

Yes

Motor may rotate

Press green button

Induction test

Please wait

Resistance test

Please wait

Flux current test

Please wait

Inertia, Last test

Please wait

Configure digital section?

Yes

Configure the relay output?

Yes

Relay Config 1

Not Faulted

Configure the L option board?

Yes

L Option Mode

12

Enable the external FLT?

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

No

Make Stop #1 type coast to stop?

Yes

Accel Time 1

2.0 Sec

Decel Time 1

3.0 Sec

Speed Ref 3

0.0 RPM

Digital Config Complete

Enter

Setup Reference Analog/PPR IO?

Yes

Connect Inputs to Reference?

Yes

Configure Speed Reference #1?

Yes

Get Speed #1 from HIM Pot?

HIM Pot? No

Analog In 1? No

Analog In 2? No

4-20 mA in? Yes

mA input offset?

0.0 mA

mA Input Scale?

2.600

Configure Speed Reference #2?

No

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

Configure Torque Reference?

No

Configure Analog Outputs?

No

Start-up Complete

Press Enter

Change the Forward Speed Limit by the following procedure:

- Choose Mode
- Program
- Control
- Control Limits
- FWD Speed Limit
- Enter 2026.2 (Valve may change when entered. Ok if within 2 RPM's)
- Press ESC until back to
- Stopped Spd1 0.0 RPM

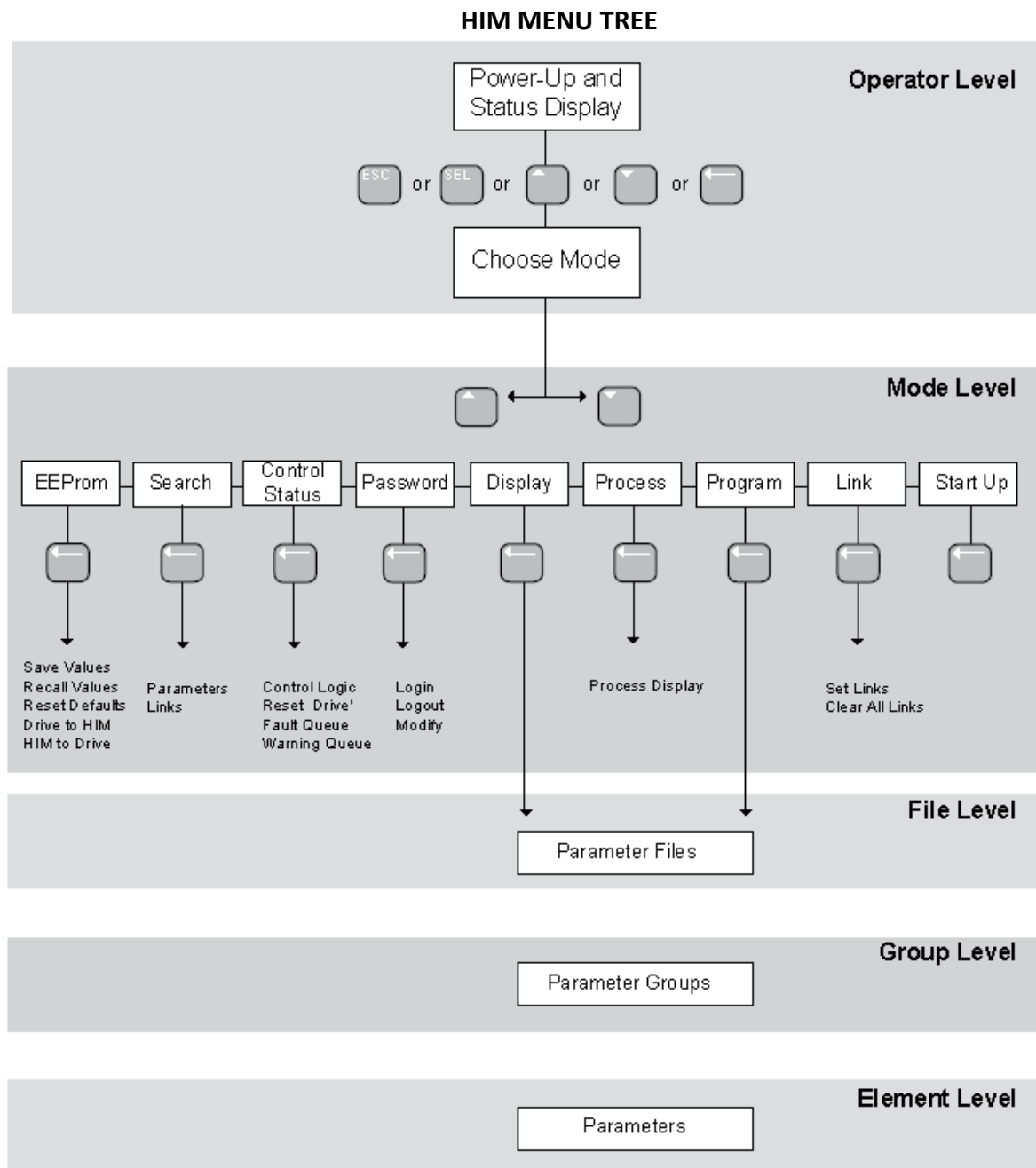
Store Values from Drive to HIM

When programming is complete store the drive parameters to the HIM by going into EPROM Mode and doing a Drive->HIM procedure.

Notes

1. Belts must be installed on sheaves before performing tuning procedure.
2. For machines with both Bescodyne and SmartPac Vibration, trip circuit breaker supplying power to "Vibrator Start Command" (typically 6CB), select SmartPac MODE at the Hand and Machine Setup Screen and press the Vibrator Start push button. At this point, you should see the FD-SM contactor.

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration



¹Not available before Version 1.06 Series B.

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.
- ✓ Be sure that all personnel are clear of the equipment before starting it.
- ✓ Be sure the equipment is properly grounded.
- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.
- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.
- ✓ Keep chemical and flammable material away from electrical or operating equipment.
- ✓ Maintain a safe work area that is free from slipping and tripping hazards.
- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

Procedure for Programming Allen Bradley 1336 Impact Frequency Drives When Used With AFC Smartpac Vibration

NEVER:

- ✓ Exceed the rated capacity of a machine or tool.
- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.
- ✓ Operate equipment unless proper maintenance has been regularly performed.
- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.
- ✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
- ✓ Use any toxic flammable substance as a solvent cleaner.
- ✓ Allow the operation or repair of equipment by untrained personnel.
- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.