

February 17, 2009

TEAM UPDATE #13

GENERAL NOTICES

General Notes from *FIRST* Headquarters:

Section 0 – Introduction through Section 3 – At the Events

No changes.

Section 4 – Robot Transportation

Wireless communication clarification:

Regarding the wireless communication prohibition in Team Update 12, we'd like to clarify that general cell phone use is permitted. However, Wi-Fi use in the 2.4GHz or 5GHz bands is prohibited.

Section 5 – The Awards through Section 7 – The Game

No changes.

Section 8 – The Robot

WPA Encryption:

FRC will be implementing the use of WPA encryption at all FRC events in 2009. When you get the event, you will receive your WPA encryption key as well as instructions for entering the key into the robot radio. Each key is unique for that particular team at that particular event. The key is a setting in the robot radio that must be configured before the team's robot can take the field (even for a practice match). There will be assistance onsite for teams who need help.

National Instruments Support:

National Instruments is extending their next-day replacement service for cRIOs and modules that need to be exchanged through your team's competition season. However, ship date marks the end of their phone support service. Teams with questions for National Instruments should contact them via their website at www.ni.com/first (and have committed to responses on the forum within 24 hours). NI representatives will also be at more than half of the Regional events to help teams.

Section 9 – The Tournament

No changes.

Section 10 – The Kit of Parts

The following parts have been packed in the Spares cases for the events (per section 3.9.4). Based on consumption, they may be available to your team in case you need them. Please note that parts highlighted in red will require specific authorization from the FTA and credit card information for the team before the item can be loaned. *In case the part is not returned, FIRST will charge the credit card for the missing component.*

Accumulator	Light, Robot Signal
Adapter, camera	Limit Switch
Battery Connector Safety Plug	Limit Switch, rotary
Battery: Elimination Match	Master Link
Battery: International	Motor: 2.5" CIM
Brass bag	Motor: Denso, Left or Right
Breakout: Analog	Motor: FisherPrice Motor/Gearbox (-9015)
Breakout: Solenoid	Motor: Globe
Breakout: Mounting Hardware	Motor: Keyang, 12-tooth (-1023)
Cable: 2-wire jumper	Motor: Mabuchi
Cable: 4-conductor/female only (for grounding DS)	Pneumatic tubing
Cable: Ethernet	Pool Noodle
Cable: Y	Power Distribution Board
Camera Bracket: Axis Case	Pressure Gauge: Norgren
Camera Bracket: Base	Pressure Gauge: WIKA
Camera Bracket: Pan Plate	Pressure Switch
Camera Bracket: Servo Brace	Push button
Circuit Breaker: 120A	Radio, Robot
Circuit Breaker: 20Amp	Regulator Bracket, Main, Norgren
Circuit Breaker: 30Amp	Regulator, Main, Norgren, adjustable
Circuit Breaker: 40Amp	Regulator/bracket, secondary, yellow ring
Compressor	Relay Module (Spike)
Connector, Battery	Relief Valve
Connector, Wago	Speed Controller (Jaguar)
Coupler, Denso motor, 6 tooth	Speed Controller (Victor 884)
Coupler, Keyang motor, 12 tooth	Sprocket spacers
cRIO & modules	Sprocket: wheel, 22-tooth
Cylinder	Sprocket: output, 15-tooth
Cylinder Rod/Clevis	Teflon tape
Cylinder Bracket	Terminal strip
Digital Sidecar	Terminals, assorted
Drivers Station	Terminals, for grounding DS
Fan (large)	Tie wraps, 4" & 8"
Fan (sm)	Trailer Hitch Spacer
FESTO valve	Wheel
Gloves, pair	Wire, 10AWG, Black & Red
Latex Tubing	Wire, 6AWG, Black & Red
Lazy Susan	