Safety Bulletin				Tesco Corporation
No: SB042	Rev: 0	Date: 20 Nov 2008		6204 – 6A Street SE Calgary, AB. T2H 2B7 Phone: (403) 692 5700 **www.tescocorp.com**
GE Fanuc PLCs **TESCO part Numbers 14843 and 16923** **(Used on Electric Top Drive Systems)**				

BACKGROUND INFORMATION:

General Electric (GE) has implemented a recall of Fanuc PLCs. A problem has been identified with the Series 90-30 CPU35x and CPU36x CPUs (TESCO Part Numbers 14843 and 16923), manufactured by GE between mid 2006 and early 2008. GE Safety Bulletin No: M-06-08-04, attached to this Bulletin, states that a condition exists, **"that may cause unexpected equipment operation, which depending upon your application, could result in personal injury or property damage"**.

AFFECTED PRODUCT:

The CPUs identified and supplied to TESCO were produced between fiscal Week 43, 2006 and Week 11, 2008. These components were installed in new TESCO Electric Top Drive Systems and possibly sold as replacement parts through TESCO AMSS. All affected CPUs are identifiable as shown in the GE Safety Bulletin attached.

The following Top Drive Systems have been identified as being potentially affected by the CPU recall:

500-ECI(S)-900 Unit Numbers:
446, 447, 478, 479, 480, 540, 543, 547, 548, 560, 561, 562, 563, 580, 581, 608, 609, 610, 611, 612, 658

650-ECI(S)-900 Unit Numbers:
449, 450, 451, 452, 485, 487, 489, 490, 491, 492, 495, 518, 522, 543, 551

250-EMI(S)-400 Unit Numbers:
459, 461, 462, 463, 469, 407, 471, 473, 475, 477, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 538, 539, 555, 557, 558, 559, 585, 592, 603, 605, 614, 616, 622, 623

350-EXI-600 Unit Numbers:
521, 537, 541, 594, 617, 621, 625

AMSS supplied CPUs are to be included.

ACTION REQUIRED:

1. CPUs are to be removed from the Top Drive Units listed above and date codes confirmed in accordance with GE Safety Bulletin M-06-08-04
2. CPUs that are not affected by the recall, are to be refitted to the Top Drive Unit
3. Affected CPUs are to be replaced with programmed, TESCO supplied CPUs
4. All affected CPUs are to be returned directly to TESCO, for return to GE
5. All CPUs held in TESCO and customer inventories are to be identified and returned as per GE Safety Bulletin No: M-06-08-04

Note: The removal and installation of CPU Modules, is to be carried out in accordance with GE instructions contained in GE document GFK-0356Q "Series 90-30 PLC Installation and Hardware Manual - August 2002" again attached to this Bulletin.

Contact your local TESCO Parts and Service Center for further information regarding this bulletin and or supply of affected components noted above.

WARNING – IMPORTANT – PLEASE READ

PRODUCT SAFETY NOTICE

Instructions for Purchasers of affected GE Fanuc PLC's

A problem has been identified with the Series 90-30 CPU35x and CPU36x CPUs.

This condition may cause unexpected equipment operation, which, depending upon your application, could result in personal injury or property damage.   .

Products Affected

IC693CPU350-DH	IC693CPU363CA-CJ
IC693CPU350-DJ	IC693CPU363LT-CJ
IC693CPU351-JT	IC693CPU363LT-CK
IC693CPU352-FK	IC693CPU364-FK
IC693CPU360-DK	IC693CPU366-BB
IC693CPU360-DJ	IC693CPU366-BC
IC693CPU363-CJ	IC693CPU367-AA
IC693CPU363-CK	

Only those versions listed above between date codes 0643 and 0811 are affected †

†Date codes are found on the bottom of the module's label near the serial number. The date codes are 3 or 4 digits in length in the following format: YYFF where YY is the one or two digit year of manufacture and FF is the two digit fiscal week of manufacture. In the example to the left, this module was manufactured in fiscal week 45 of 2007. This falls between date codes 0643 and 0811 and therefore would be applicable to this bulletin.

Figure 1 - Module's Date Code Location

Working with Series 90-30 Modules
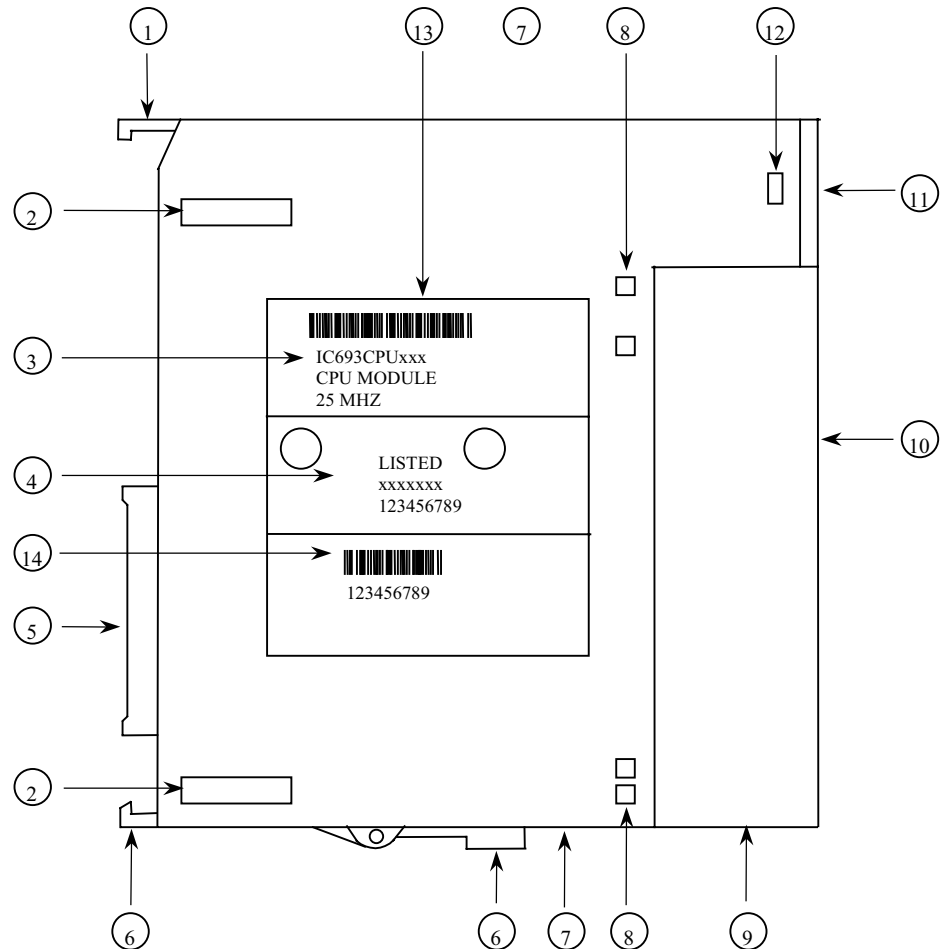
Module Features

Figure 2-1. Features of Series 90-30 Module

1. Pivot hook
2. Circuit board holding tabs (two on each side of module)
3. Catalog number and description section of label (Includes MAC address for CPU374.)
4. Certification (UL, CE, etc.) section of label
5. Module connector - plugs into baseplate backplane connector
6. Release lever - spring loaded
7. Ventilation openings in module case (top and bottom)
8. Front cover holding tabs (two on each side of module)
9. Front cover (shown) or terminal board (for I/O modules).
10. Front cover faceplate or hinged cover for terminal board.
11. Lens cap (some modules do not have).
12. Lens cap holding tabs (one on each side of module)
13. Module label
14. Serial Number - used to determine module warranty status. (On some modules, the Serial Number may be on a small tag on the back of the module.)

Installing a Module

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Warning
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Do not insert or remove modules with power applied. This could cause the PLC to stop or malfunction. Injury to personnel and damage to the module or baseplate may result. Also, attempts to force a module into an improper slot type will result in damage to the module and/or the baseplate. Modules will mount in the correct slot type easily, with a minimum of force.

Use the following instructions as a guide when inserting a module into a baseplate slot.

■ Check that module catalog number matches slot configuration. Each slot is, or will be, assigned a particular module type during configuration. A Power Supply module must be installed in the left end unnumbered slot only, and a CPU module and some special Option modules can only be installed in Slot 1 of a CPU baseplate. I/O Modules and most Option modules install in slots numbered 2 and higher.

■ Grasp the module firmly with terminal board toward you and with rear pivot hook facing away from you.

■ Align the module with the desired baseplate slot and connector. Tilt the module upwards so that top rear pivot hook of the module engages the baseplate's top module retainer.

■ Swing the module downward until the module's connector engages the baseplate's backplane connector, and the release lever on the bottom of the module snaps into place in the baseplate's bottom module retainer.

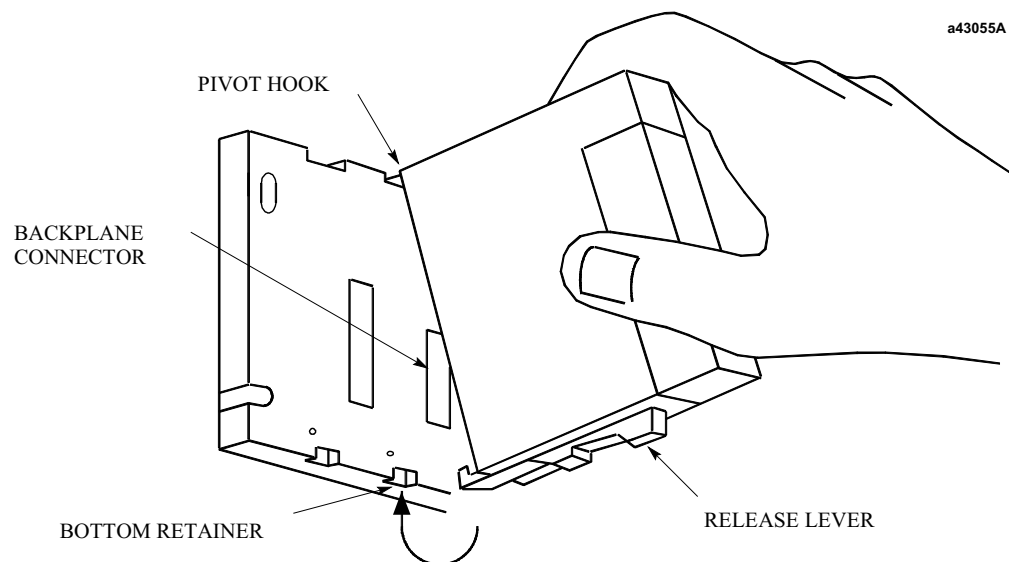■ Visually inspect the module to be sure that it properly seated.

Figure 2-2. Installing a Module

Removing a Module

Warning

Do not insert or remove modules with power applied. This could cause the PLC to stop or malfunction. Injury to personnel and damage to the module or baseplate may result. Also potentially dangerous voltages from user devices may be present on a module's screw terminals even though power to the rack is turned off. Care must be taken any time that you are handling the module's removable terminal board or any wires connected to it.

■ If the module has wiring, remove the module's terminal board (NOTE: You do not have to unwire the terminal board) or cables. The procedure for removing a terminal board is described later in this section.

■ Locate the release lever at the bottom of the module and firmly press it up, towards the module.

■ While holding the module firmly at its top and fully depressing release lever, swing (pivot) the module upward (release lever must be free of its retaining slot).

■ Disengage pivot hook at the top rear of the module by moving the module up and away from the baseplate.
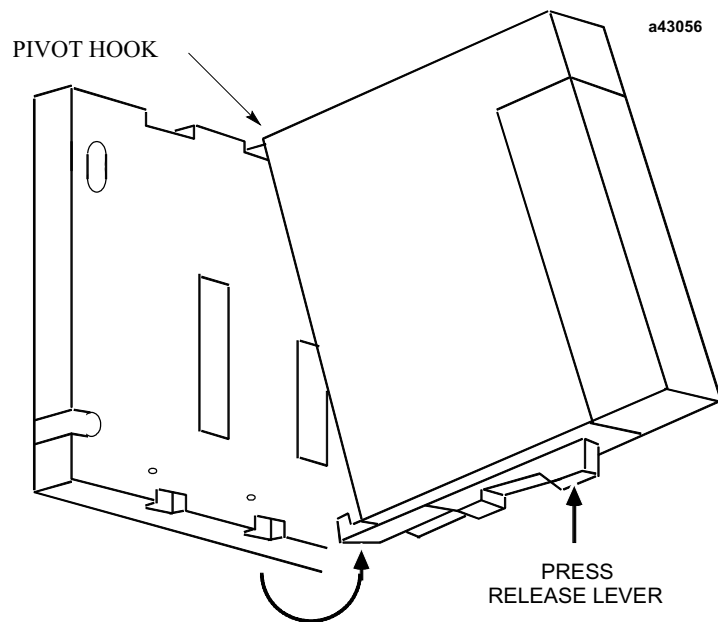

Figure 2-3. Removing a Module

Note

Modules in expansion or remote baseplates can be added, removed, or replaced while the PLC is in RUN mode if power is first removed from the expansion or remote baseplate. I/O data to/from this baseplate will not be updated while power is removed.