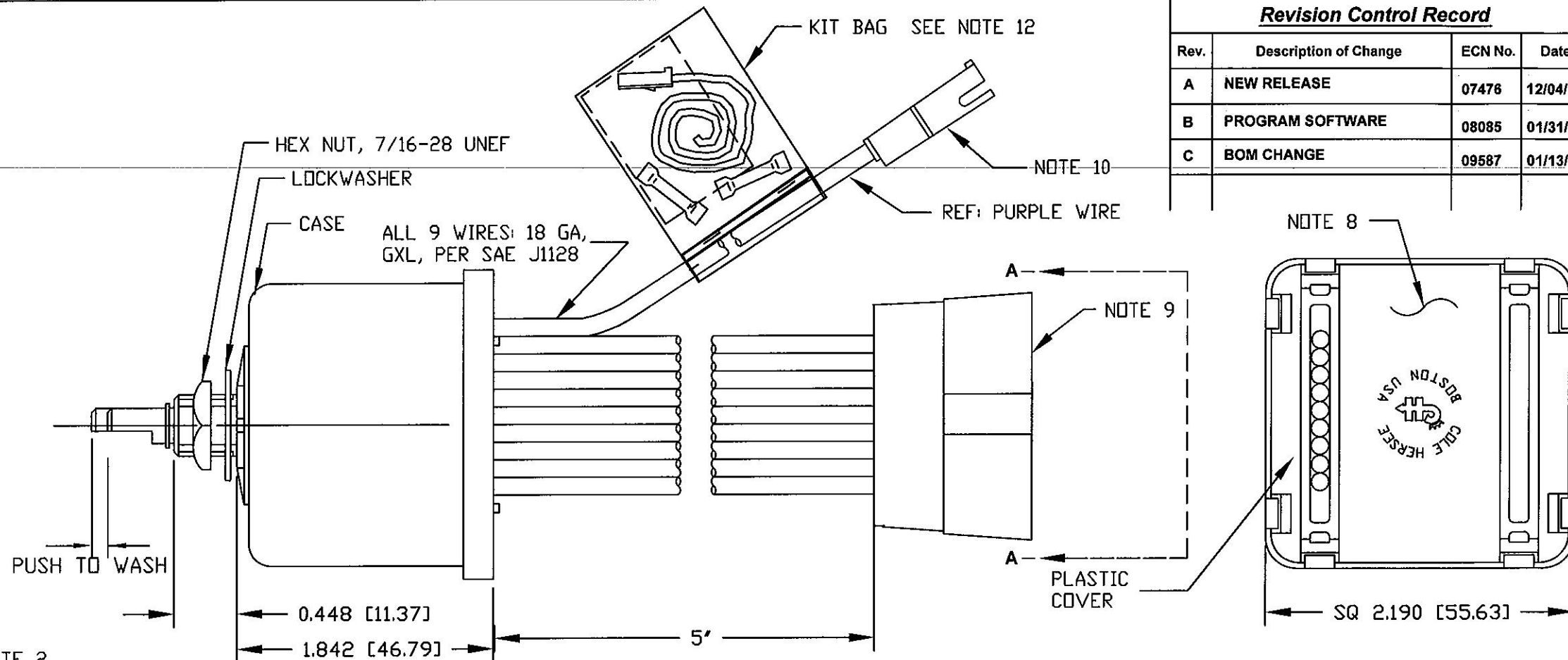
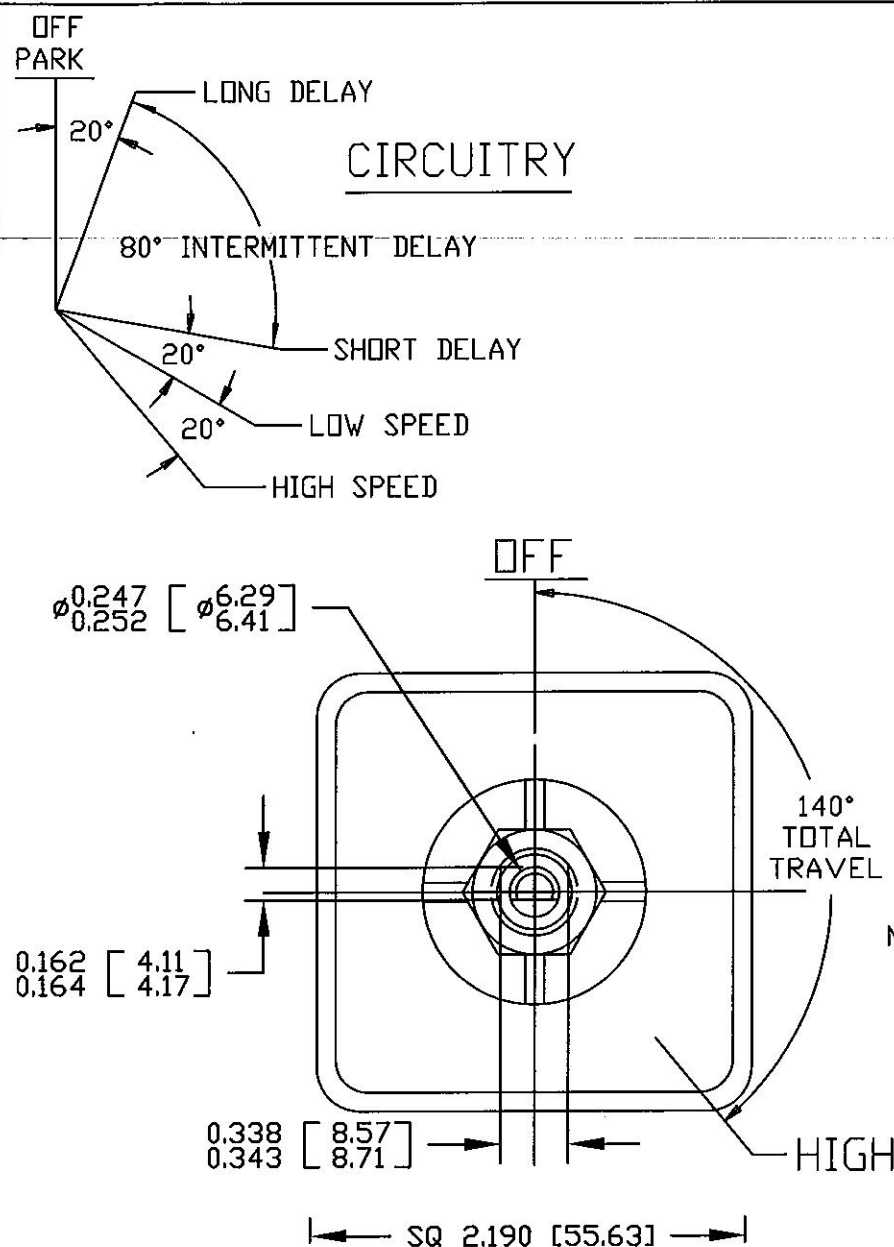


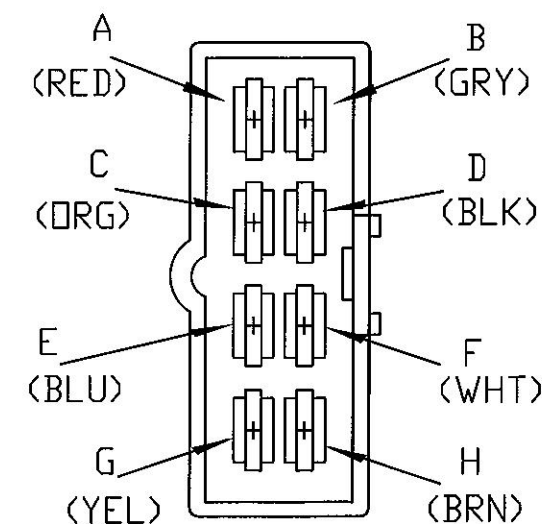
## Revision Control Record

| Rev. | Description of Change | ECN No. | Date     |
|------|-----------------------|---------|----------|
| A    | NEW RELEASE           | 07476   | 12/04/07 |
| B    | PROGRAM SOFTWARE      | 08085   | 01/31/08 |
| C    | BOM CHANGE            | 09587   | 01/13/10 |



## NOTES:

- DESIGNED FOR 12V SYSTEM, DUAL MOTOR. MUST BE USED WITH NON-DYNAMIC PARK MOTORS ONLY.
- PUSH TO WASH FUNCTION RESULTS IN 3 WIPES AFTER RELEASE OF PUSH SWITCH.
- RATING: VOLTAGE OPERATING RANGE 9VDC TO 16VDC  
ROTARY SWITCH ACTUATION 20,000 CYCLES MINIMUM.  
MOTOR DRIVE: 10 AMPS PER MOTOR CONTINUOUS. START-UP/STALL/LOCKED-ROTOR 30 AMPS. SHORT-CIRCUIT PROOF.  
WASHER CIRCUIT 3 AMPS, PUSH SWITCH 20,000 CYCLES MINIMUM.
- MICROPROCESSOR CONTROLLED, SOLID-STATE RELAY, CURRENT LIMIT SENSE CIRCUIT, REVERSE POLARITY PROTECTED
- CONFORMS TO SAE J1455:  
4.11 GENERAL HEAVY DUTY TRUCK ELECTRICAL ENVIRONMENT.  
4.11.1 STEADY-STATE ELECTRICAL CHARACTERISTICS.  
4.11.2 TRANSIENT, NOISE AND ELECTROSTATIC CHARACTERISTICS.
- INTERMITTENT DELAYS: 1, 2, 4, 7, 11 AND 16 SECONDS
- ALL DIMENSIONS ARE REFERENCE ONLY UNLESS NOTED OTHERWISE.
- COLE HERSEE PART NUMBER, REVISION, & DATE CODE STAMPED IN WHITE ON REAR PLASTIC COVER.
- CONNECTOR, DELPHI: 8-PIN, PART# 2965972 (QTY 1)  
TERMINALS, DELPHI: 2965439 (QTY 8)
- CONNECTOR, DELPHI: 1-PIN, PART# 8905650 (QTY 1)  
TERMINALS, DELPHI: 2965439 (QTY 1)
- UNIT REQUIRES TWO SEPARATE WIRE CONNECTIONS TO MOTOR PARK SIGNALS.  
THIS MAY REQUIRE RE-WIRING VEHICLE HARNESS. DO NOT CONNECT PARK WIRES TOGETHER.  
NOTE THAT 1-PIN CONNECTOR (PURPLE WIRE) IS FOR PARK MOTOR #2.
- WRAP PLASTIC BAG AROUND SWITCH PURPLE WIRE, FOLD AND STAPLE AS SHOWN.



| COLOR  | FUNCTION                       | CONNECTOR | TERMINAL |
|--------|--------------------------------|-----------|----------|
| RED    | VBB (12V POWER)                | 8-PIN     | A        |
| GREY   | HIGH-SPEED MOTOR #2            | 8-PIN     | B        |
| ORANGE | LOW-SPEED MOTOR #2             | 8-PIN     | C        |
| BLACK  | GROUND (0V)                    | 8-PIN     | D        |
| BLUE   | PARK MOTOR #1<br>(SEE NOTE 11) | 8-PIN     | E        |
| WHITE  | HIGH-SPEED MOTOR #1            | 8-PIN     | F        |
| YELLOW | LOW-SPEED MOTOR #1             | 8-PIN     | G        |
| BROWN  | WASHER                         | 8-PIN     | H        |
| PURPLE | PARK MOTOR #2<br>(SEE NOTE 11) | 1-PIN     |          |

**Tolerances** Unless otherwise specifically noted, the following are default tolerances:  
\* 2-place Decimal Dimensions  $\pm 0.02$   
\* 3-place Decimal Dimensions  $\pm 0.005$   
\* Angular Dimensions  $\pm 1.0$  Deg.  
\* Metric: Refer to equivalent English Dimension Tolerance  
>>> NOTE: All tolerances are Non-Cumulative. <<<

**Dimensional Units** All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters

"REF." or an Asterisk (\*) = Non-Toleranced Reference Dimension, shown for clarification purposes only.

Used On  
or Ref.: EX28333

Scale: 1:1

**PROPRIETARY INFORMATION** This Engineering Drawing, and the information contained herein, is proprietary to Cole Hersee Company and may not be disclosed, re-produced, or in any other way transferred or communicated to any other party without the express written consent of an authorized representative of Cole Hersee Company.

**DESIGN CONTROL** It is the responsibility of the individual using / referencing this drawing to assure that the noted design revision level agrees with the revision level of the Controlled Document (Master Drawing). This is a NON-CONTROLLED DOCUMENT unless otherwise specifically noted.

DO NOT SCALE - Dimensional variation may occur during printing / reproduction.

Drawn By: JCS

Date Drawn: 12/04/07

**Special Characteristics:**

- CC Critical Characteristic, relating to Safety and/or Regulatory Compliance
- X Significant Characteristic relating to Process Control (SPC)
- KC Control Dimension relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer

(Note that the Identification of any Characteristics as being "Special" does not alter the requirement that ALL specified dimensions & tolerances must be met.)

Responsible Engineer: JCS

Pg. 1



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## Description:

**WINDSHIELD WIPER CONTROLLER, DUAL-MOTOR, 12V, SSR, NON-DYNAMIC PARK MOTOR**

Drawing /  
Part No.:

**75601-15**

Current Rev.

**C**