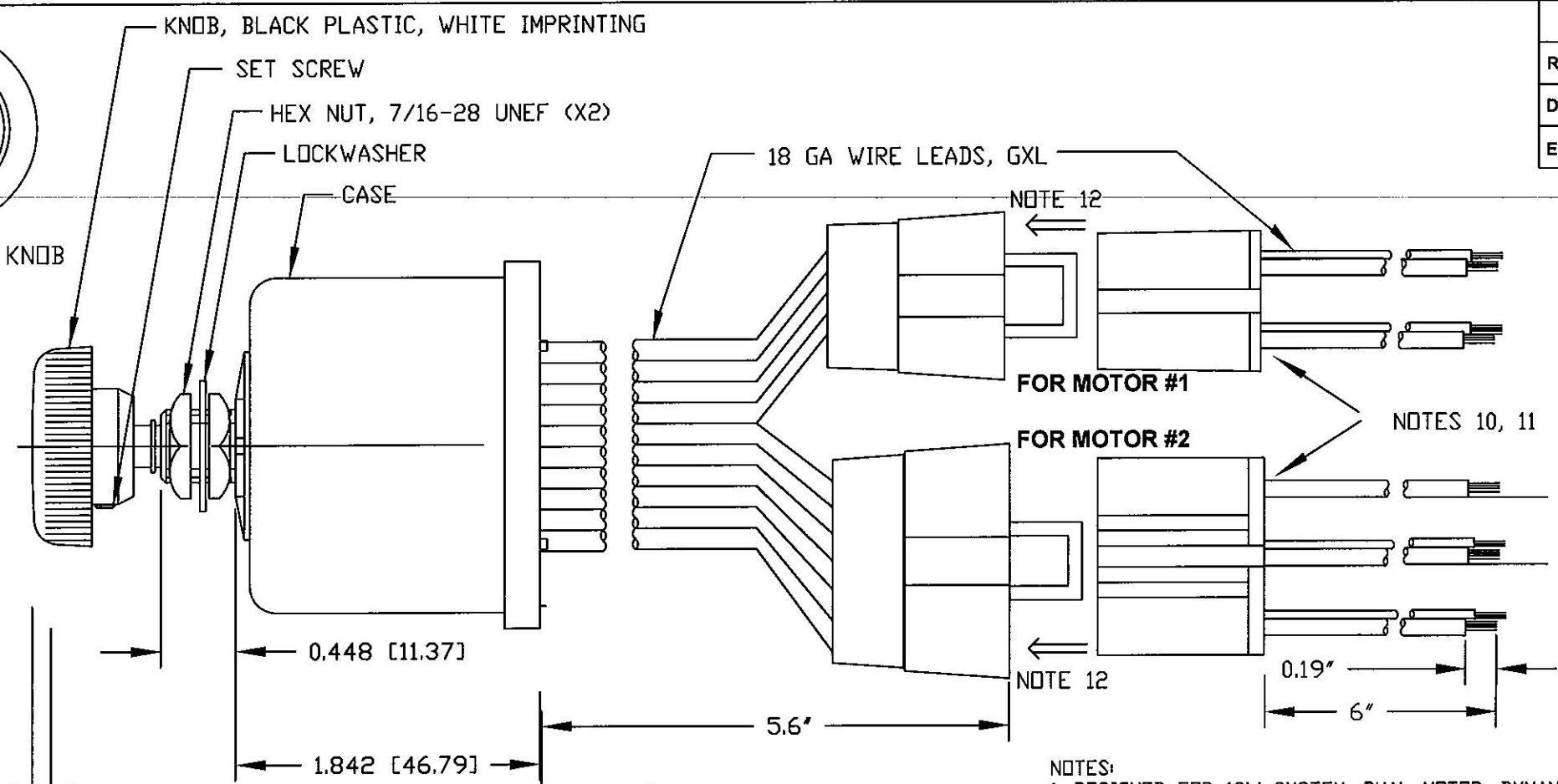
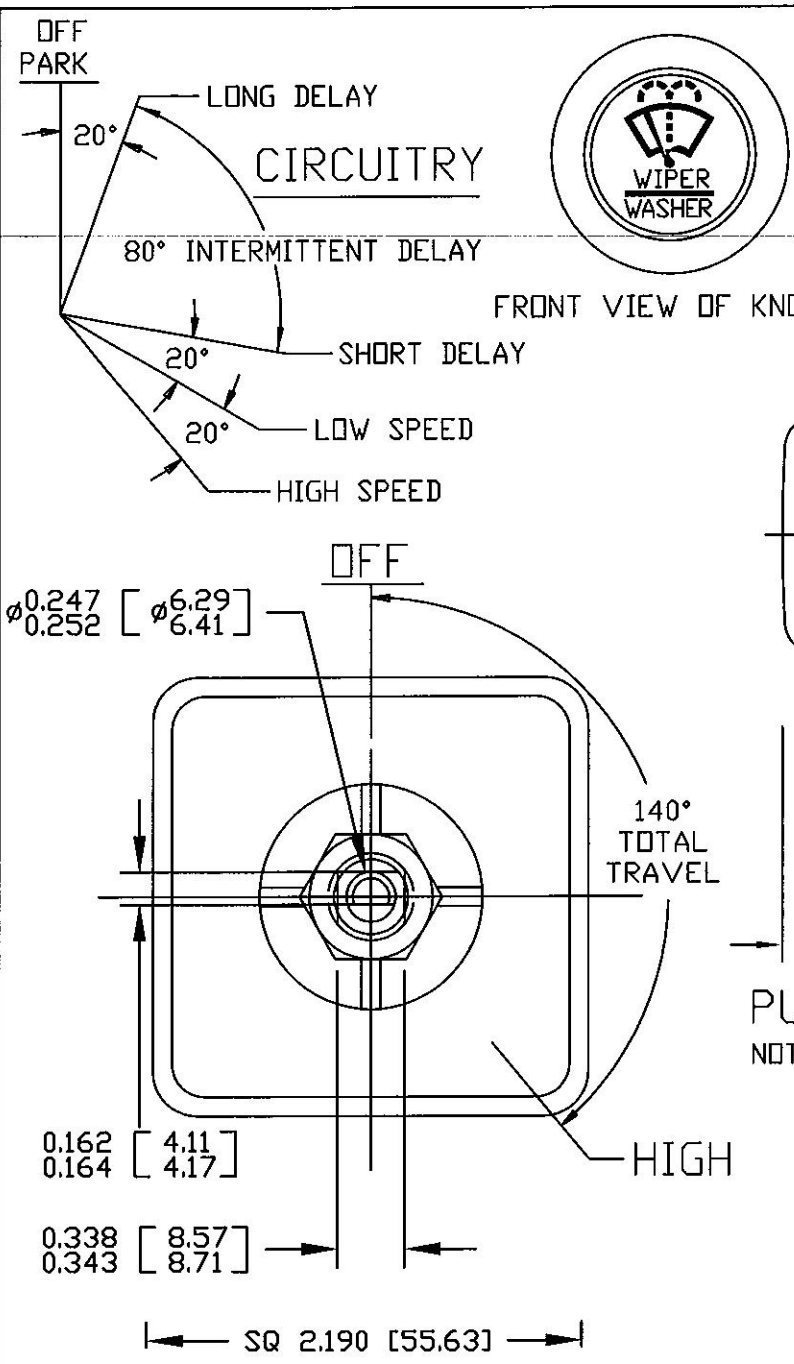
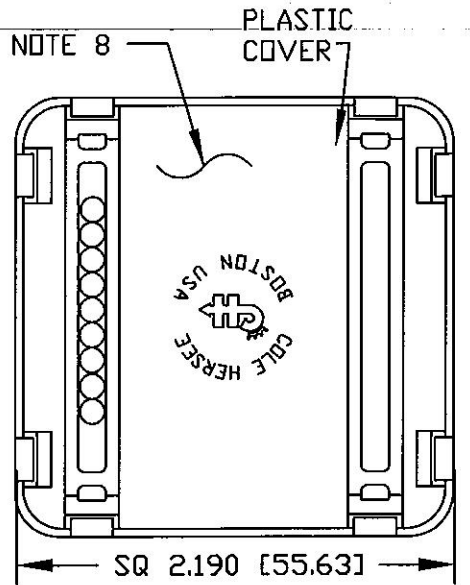


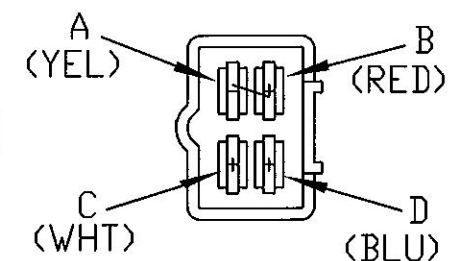


| Revision Control Record |                        |         |          |
|-------------------------|------------------------|---------|----------|
| Rev.                    | Description of Change  | ECN No. | Date     |
| D                       | EDIT NOTE 10, 11, & 12 | 08253   | 04/15/09 |
| E                       | BOM CHANGE             | 09587   | 01/13/10 |

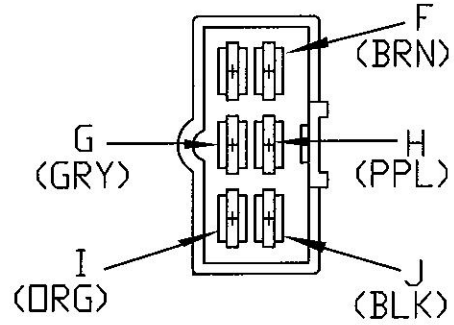


PUSH TO WASH  
NOTE 2

MOTOR #1



MOTOR #2



SWITCH CONNECTOR VIEW  
FROM OPEN END (FOR WIRING MATING  
CONNECTORES REFER TO SHOP DRAWING)

- NOTES:
- DESIGNED FOR 12V SYSTEM, DUAL MOTOR, DYNAMIC AND NON-DYNAMIC PARK.
  - PUSH TO WASH FUNCTION RESULTS IN 2 TO 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:  
OPERATING TEMPERATURE, PER TABLE 1A-2b INSTRUMENT PANEL, -40C TO +85C  
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.
  - SWITCH SIDE CONNECTORS:  
6-PIN: DELPHI P.N. 2977042  
4-PIN: DELPHI P.N. 6294544  
TERMINALS, DELPHI P.N. 2965439 (QTY 9)
  - VEHICLE HARNESS SIDE CONNECTOR ASSEMBLIES (INCLUDING 6' WIRES):  
6-PIN: COLE HERSEE P.N. 65232  
4-PIN: COLE HERSEE P.N. 65231
  - FOR WIRING MATING CONNECTORS REFER TO SHOP DRAWING.
  - ASSEMBLE CONNECTORS SO THAT THEY ARE FULLY MATED AND LOCKED

| COLOR<br>(SWITCH<br>CONN'S) | COLOR<br>(MATING<br>CONN'S) | FUNCTION            | TERMINAL |
|-----------------------------|-----------------------------|---------------------|----------|
| YELLOW                      | YELLOW                      | LOW-SPEED MOTOR #1  | A        |
| RED                         | RED                         | VBB (12V POWER)     | B        |
| WHITE                       | WHITE                       | HIGH-SPEED MOTOR#1  | C        |
| BLUE                        | BLUE                        | PARK MOTOR #1       | D        |
| BROWN                       | BROWN                       | WASHER              | F        |
| GREY                        | WHITE                       | HIGH-SPEED MOTOR #2 | G        |
| PURPLE                      | BLUE                        | PARK MOTOR #2       | H        |
| ORANGE                      | YELLOW                      | LOW-SPEED MOTOR #2  | I        |
| BLACK                       | BLACK                       | GROUND (OV)         | J        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Tolerances</b> Unless otherwise specifically noted, the following are default tolerances:<br/>* 2-place Decimal Dimensions +/- .02"<br/>* 3-place Decimal Dimensions +/- .005"<br/>* Angular Dimensions +/- 1.0 Deg.<br/>* Metric: Refer to equivalent English Dimension Tolerance<br/>&gt;&gt;&gt; NOTE: All tolerances are Non-Cumulative. &lt;&lt;&lt;</p> <p><b>Dimensional Units</b> All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters</p> <p><b>"REF." or an Asterisk (*)</b> = Non-Toleranced Reference Dimension, shown for clarification purposes only.</p> | <p><b>PROPRIETARY INFORMATION</b> 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.</p> <p><b>DESIGN CONTROL</b> 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.</p> <p><b>DO NOT SCALE</b> - Dimensional variation may occur during printing / reproduction.</p> | <p><b>Special Characteristics:</b></p> <ul style="list-style-type: none"><li> Critical Characteristic, relating to Safety and/or Regulatory Compliance</li><li> Significant Characteristic relating to Process Control (SPC)</li><li> Control Dimension relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer</li></ul> <p>(Note that the identification of any Characteristics as being "Special" does not alter the requirement that ALL specified dimensions &amp; tolerances must be met.)</p> | <p><b>Cole Hersee Co.</b><br/>20 Old Colony Ave., South Boston, MA, 02127<br/>Phn: 617-268-2100 Web: <a href="http://www.colehersee.com">www.colehersee.com</a></p> <p><b>Description:</b><br/>WINDSHIELD WIPER CONTROLLER, DUAL-MOTOR, 12V, SSR</p> <p><b>Drawing / Part No.:</b><br/>75600-20</p> <p><b>Current Rev.:</b><br/>E</p> |
| Used On or Ref.: EX28333                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Scale: 1:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Drawn By: JCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date Drawn: 10/10/06                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Responsible Engineer: JCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pg. 1                                                                                                                                                                                                                                                                                                                                 |