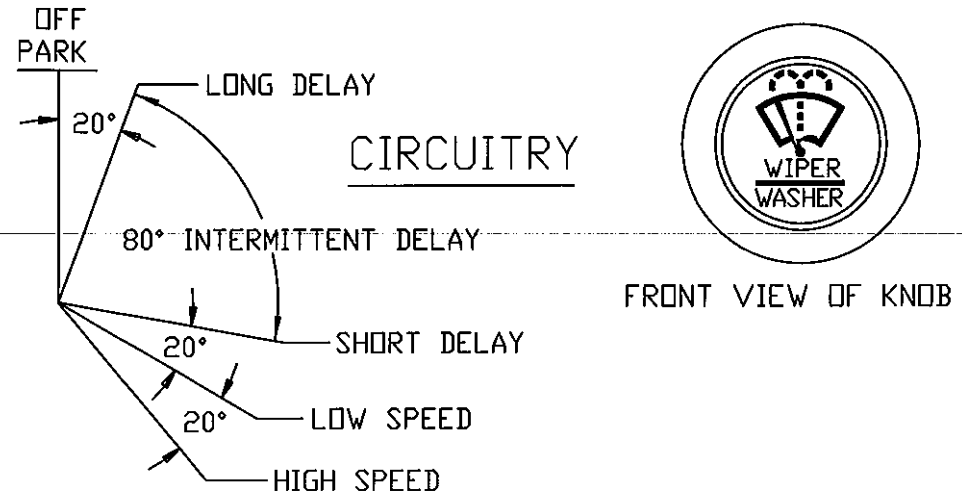
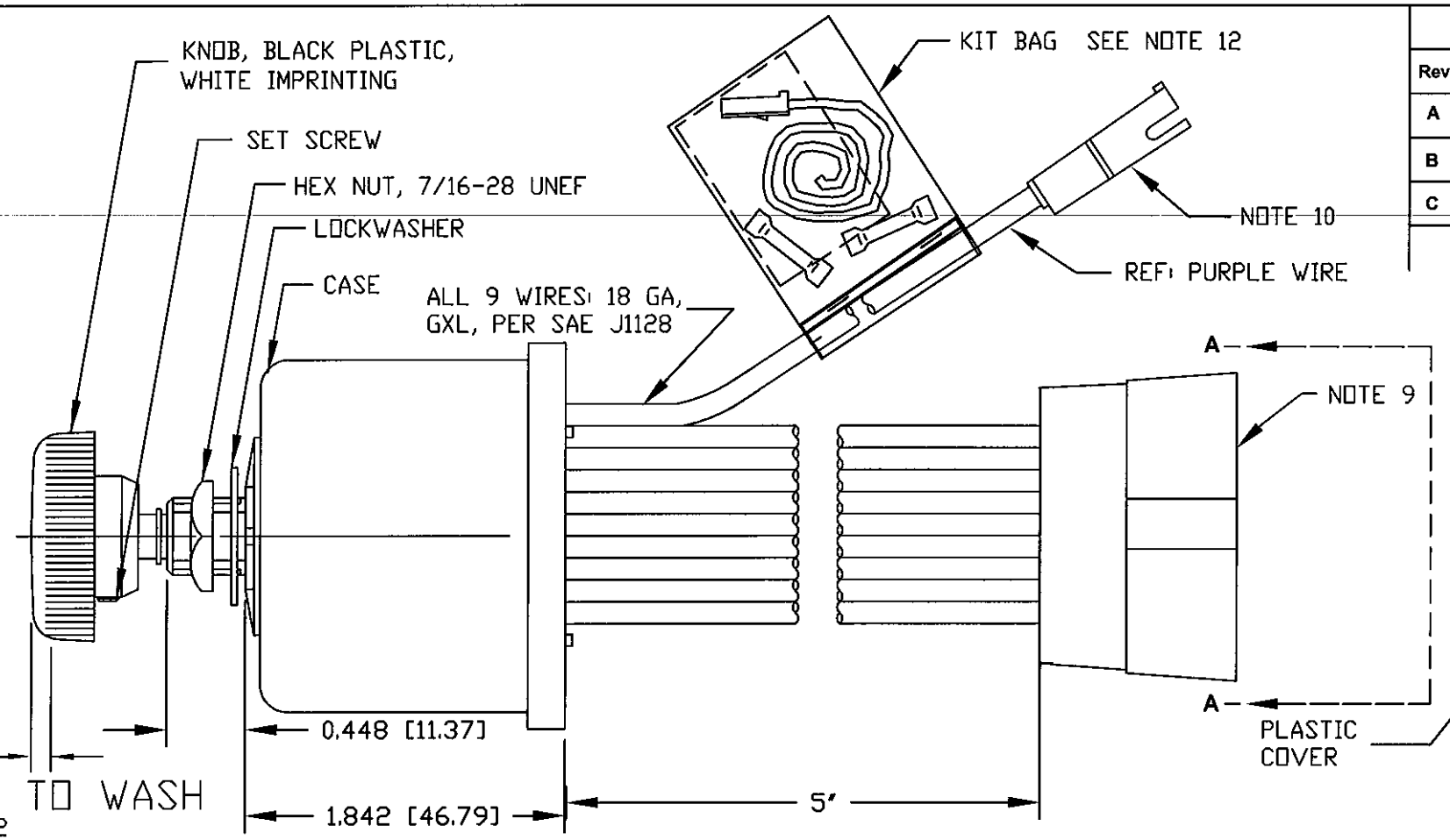
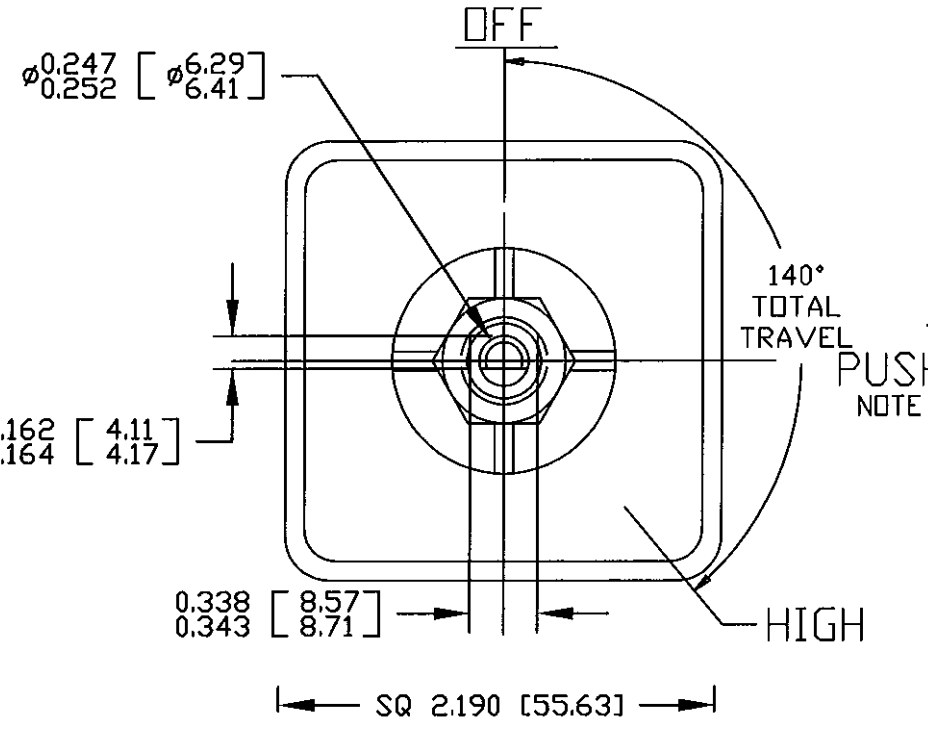


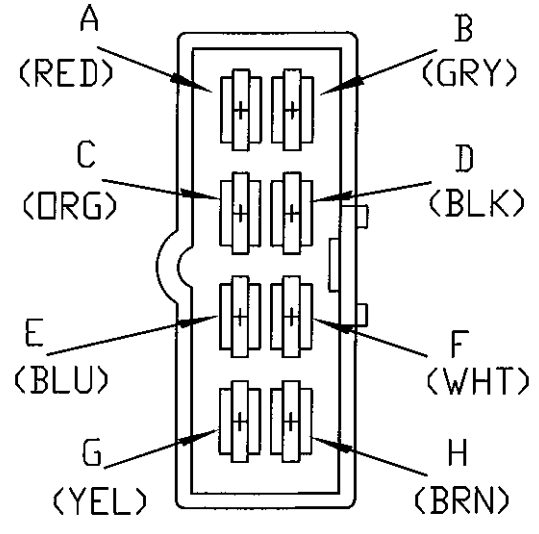
FRONT VIEW OF KNOB





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 (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 (SEE NOTE 11)	1-PIN	

NOTES:
1. DESIGNED FOR 12V SYSTEM, DUAL MOTOR. MUST BE USED WITH NON-DYNAMIC PARK MOTORS ONLY.
2. PUSH TO WASH FUNCTION RESULTS IN 3 WIPES AFTER RELEASE OF PUSH SWITCH.
3. 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.
4. MICROPROCESSOR CONTROLLED, SOLID-STATE RELAY, CURRENT LIMIT SENSE CIRCUIT, REVERSE POLARITY PROTECTED
5. 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.
6. INTERMITTENT DELAYS: 1, 2, 4, 7, 11 AND 16 SECONDS
7. ALL DIMENSIONS ARE REFERENCE ONLY UNLESS NOTED OTHERWISE.
8. COLE HERSEE PART NUMBER, REVISION, & DATE CODE STAMPED IN WHITE ON REAR PLASTIC COVER.
9. CONNECTOR, DELPHI: 8-PIN, PART# 2965972 (QTY 1)
   TERMINALS, DELPHI: 2965439 (QTY 8)
10. CONNECTOR, DELPHI: 1-PIN, PART# 8905650 (QTY 1)
    TERMINALS, DELPHI: 2965439 (QTY 1)
11. 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.
12. WRAP PLASTIC BAG AROUND SWITCH PURPLE WIRE, FOLD AND STAPLE AS SHOWN.



VIEW A-A

Revision Control Record

Rev.	Description of Change	ECN No.	Date
A	NEW RELEASE	07475	12/04/07
B	SOFTWARE CHANGE	08085	01/31/08
C	BOM CHANGE	09587	01/13/10

Tolerances Unless otherwise specifically noted, the following are default tolerances;
* 2-place Decimal Dimensions +/- .02"
* 3-place Decimal Dimensions +/- .005"
* Angular Dimensions +/- 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.

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.

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.)

Used On or Ref.: EX28333 | Scale: 1:1 | Drawn By: JCS | Date Drawn: 12/04/07 | Responsible Engineer: JCS | Pg. 1

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

Drawing / Part No.: 75601-14 | **Current Rev.** C