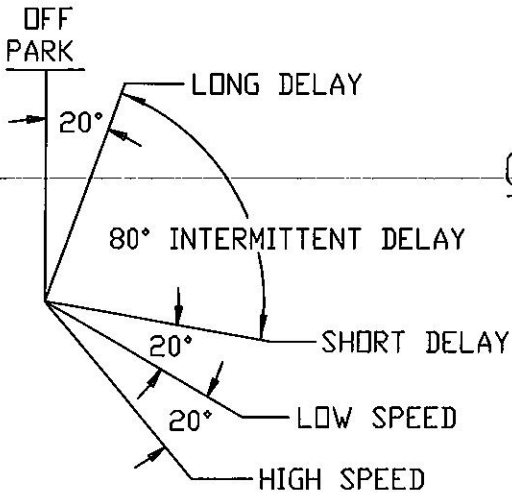


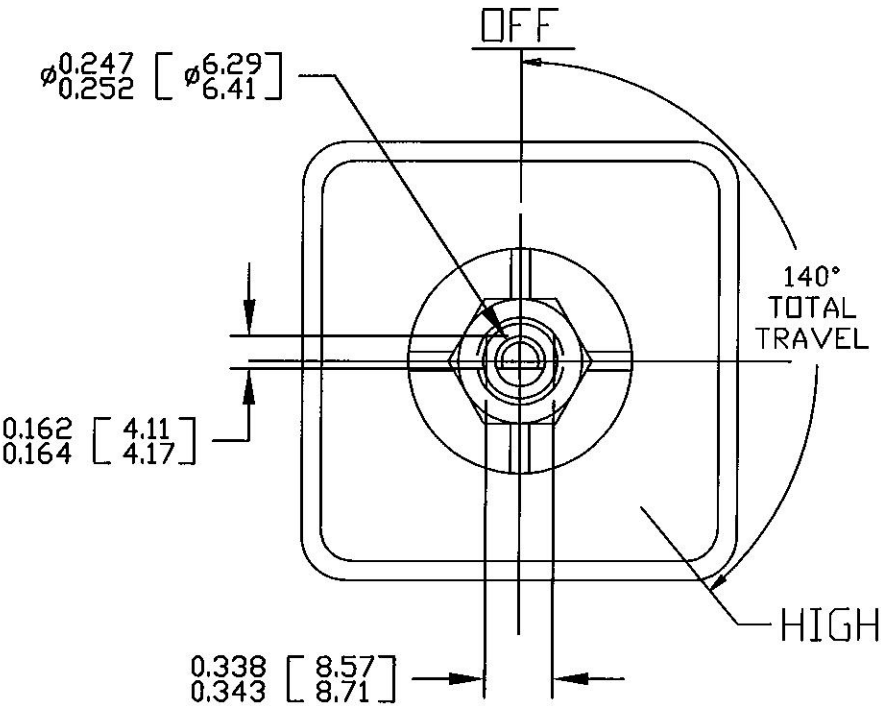


Revision Control Record

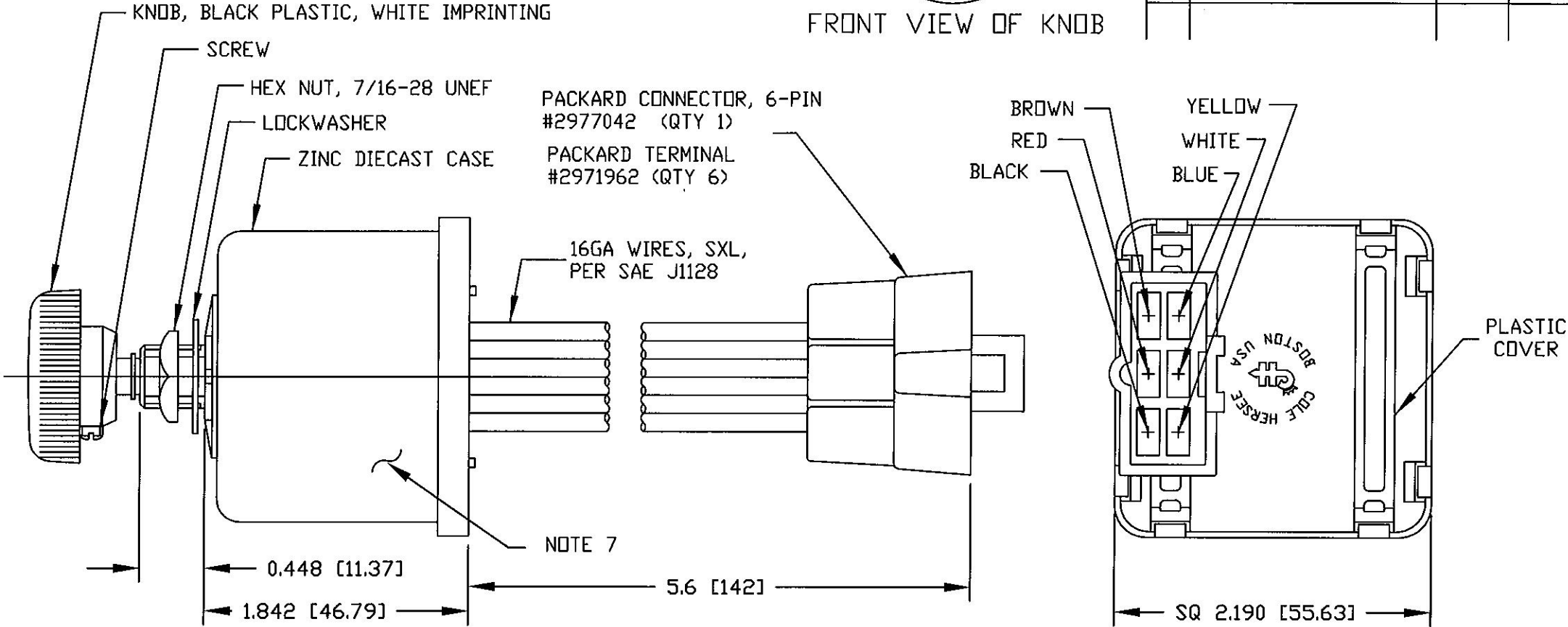
Rev.	Description of Change	ECN No.	Date
L	REVISED DRAWING, SSR	07035	1/24/07
M	EDIT NOTE 7	09257	04/21/09
N	BOM CHANGE	09588	01/15/10



CIRCUITRY



FRONT VIEW OF KNOB



- NOTES:
- DESIGNED FOR 12V SYSTEM, SINGLE MOTOR, DYNAMIC AND NON-DYNAMIC PARK. TO BE USED WITH PERMANENT MAGNET MOTOR, NEGATIVE GROUND ONLY.
 - 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: 15 AMPS CONTINUOUS. START-UP/STALL/LOCKED-ROTOR 50 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.
 - ENVIRONMENTAL EXTREMES BY LOCATION.
5.2 INTERIOR-FORWARD.
 - ALL DIMENSIONS ARE REFERENCE ONLY UNLESS NOTED OTHERWISE.
 - COLE HERSEE PART NUMBER, REVISION, & DATE CODE MARKED AT RANDOM ON CASE.

COLOR	FUNCTION
WHITE	MOTOR HIGH SPEED
YELLOW	MOTOR LOW SPEED
RED	VBB (+12V)
BROWN	WASHER PUMP
BLACK	GROUND (0V)
BLUE	MOTOR PARK

Tolerances Unless otherwise specifically noted, the following are default tolerances: • 2-place Decimal Dimensions $\pm .02$ " • 3-place Decimal Dimensions $\pm .005$ " • 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.	
Used On or Ref.:	EX26541
Scale:	1:1

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Drawn By:	DPS
Date Drawn:	1/23/07

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

Cole Hersee Co. 20 Old Colony Ave., South Boston, MA, 02127 Phn: 617-268-2100 Web: www.colehersee.com	
Description: WINDSHIELD WIPER CONTROLLER, UNIVERSAL, 12V	
Drawing / Part No.: 75600-02	Current Rev.: N