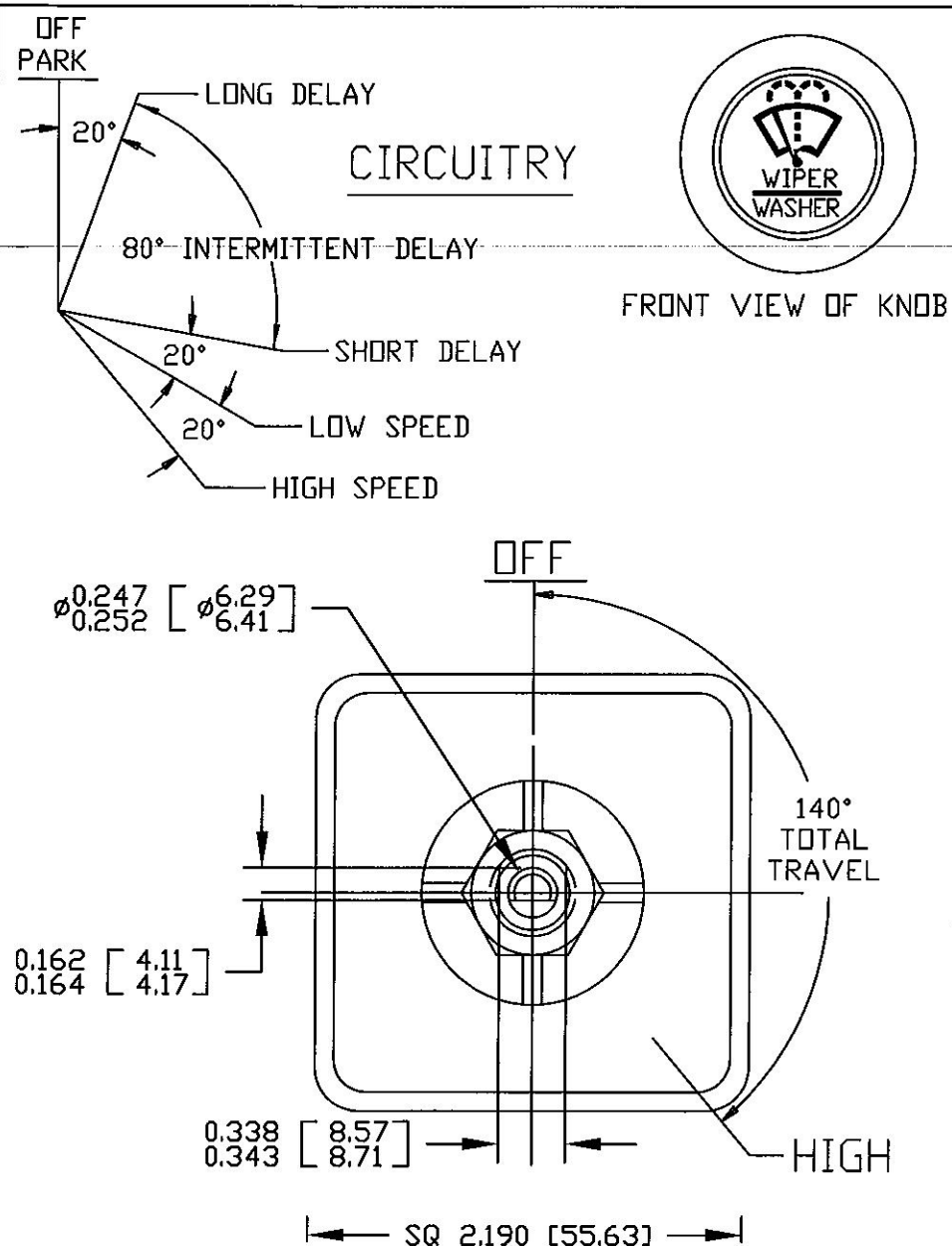
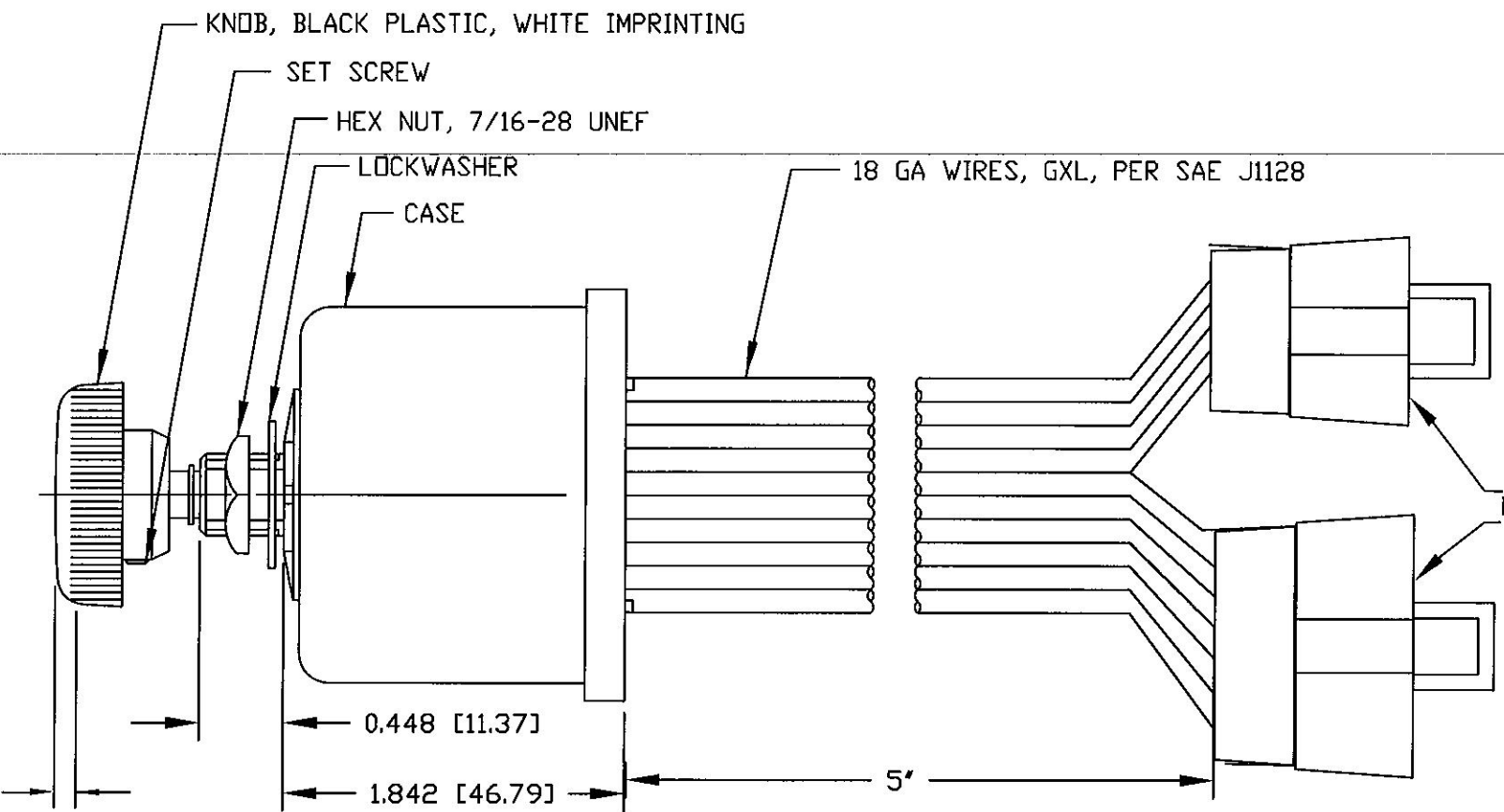
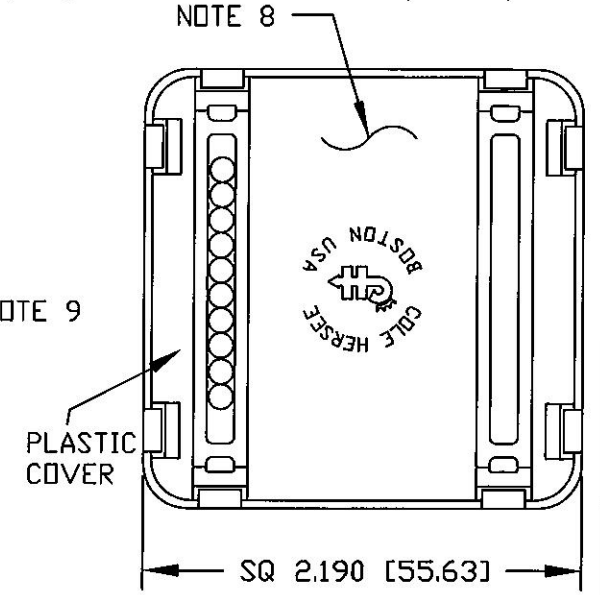




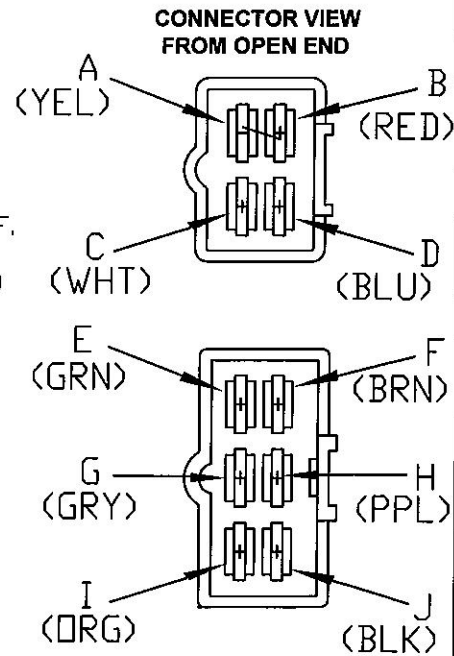
FRONT VIEW OF KNOB



Revision Control Record			
Rev.	Description of Change	ECN No.	Date
A	NEW PART	07011	01/25/07
B	BOM CHANGE	09587	01/13/10



- NOTES:
- DESIGNED FOR 24V SYSTEM, DUAL MOTOR, DYNAMIC AND NON-DYNAMIC PARK.
 - PUSH TO WASH FUNCTION RESULTS IN 3 WIPES AFTER RELEASE OF PUSH SWITCH.
 - RATING: VOLTAGE OPERATING RANGE 18VDC TO 32VDC
 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.
 - CONNECTORS, DELPHI: 6-PIN, PART# 2977042 (QTY 1); 4-PIN, PART# 6294544 (QTY 1)
 TERMINALS, DELPHI: PART#2965439 (QTY 10)
 - WIPER ENABLE OUTPUT: ACTIVE-HIGH, 0.2 AMPS MAX. ENABLED WHEN IN LO-SPEED, HI-SPEED OR INTERMITTENT



COLOR	FUNCTION	TERMINAL
YELLOW	LOW-SPEED MOTOR #1	A
RED	VBB (24V POWER)	B
WHITE	HIGH-SPEED MOTOR#1	C
BLUE	PARK MOTOR #1	D
GREEN	WIPER ENABLED (FOR "LIGHTS-ON")	E
BROWN	WASHER	F
GREY	HIGH-SPEED MOTOR #2	G
PURPLE	PARK MOTOR #2	H
ORANGE	LOW-SPEED MOTOR #2	I
BLACK	GROUND (0V)	J

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. <<<		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.		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.)	
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.		Cole Hersee Co. 20 Old Colony Ave., South Boston, MA, 02127 Phn: 617-268-2100 Web: www.colehersee.com	
Dimensional Units All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters		REF. or an Asterisk (*) = Non-Tolerance Reference Dimension, shown for clarification purposes only.		Description: WINDSHIELD WIPER CONTROLLER, DUAL-MOTOR, W/ WIPER ENABLE, 24V, SSR	
Used On or Ref.:	EX28333	Scale:	1:1	Drawn By:	JCS
		Date:	10/10/06	Responsible Engineer:	JCS
				Pg. 1	
				Drawing / Part No.:	75603-08
				Current Rev.:	B