
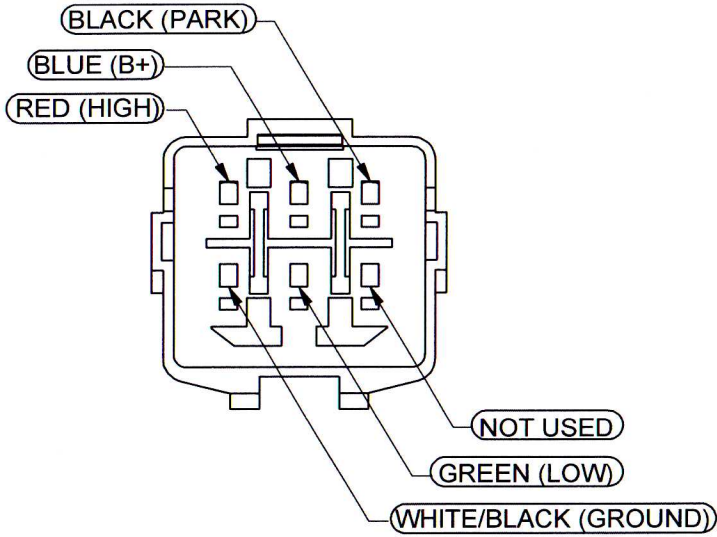


DETAIL A  
NUT REMOVED FOR CLARITY

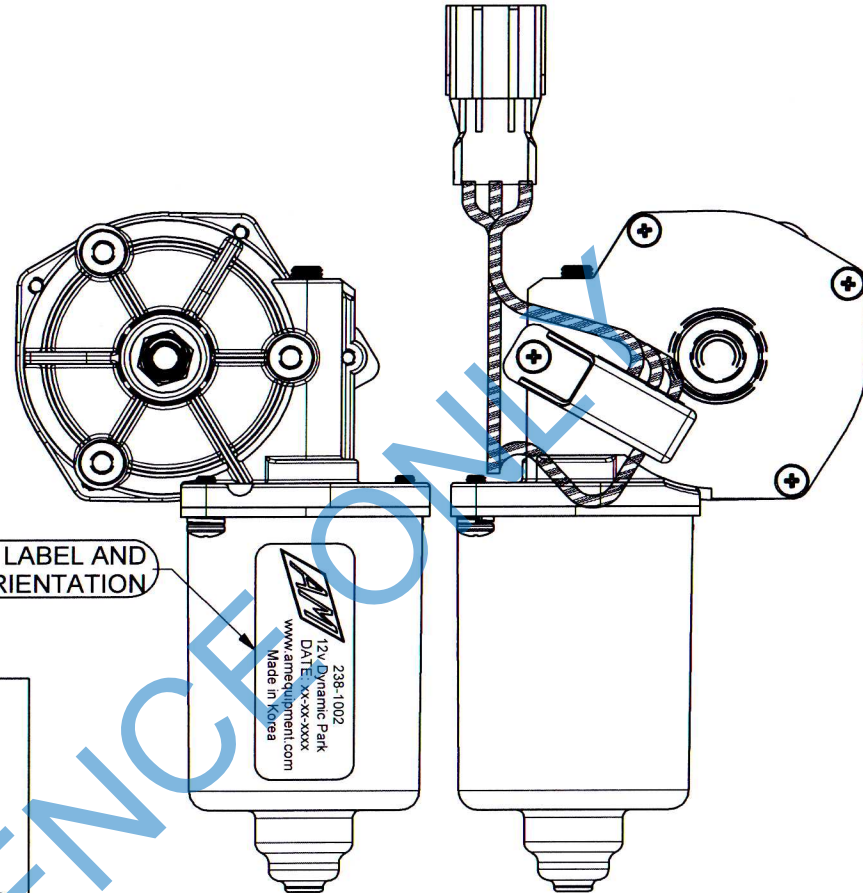
Project N/A	Designed by RW 12/5/2002	Checked by RR 3/31/2015	Approved by AS 3/31/2015	Material Specification N/A	Finish Specification N/A	
<b>OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES</b>	<b>UNLESS OTHERWISE SPECIFIED</b> TOLERANCES IN INCHES MM 1 PLACE DEC. = N/A ±0.25 2 PLACE DEC. = ±0.01 ±0.13 3 PLACE DEC. = ±0.005 ±0.08 4 PLACE DEC. = ±0.0025 N/A ANGULAR DIM. = ±1° ±1° <b>DO NOT SCALE DRAWING</b> <b>WORK TO GIVEN DIMENSIONS</b>				<b>AM EQUIPMENT</b> Jefferson, Oregon 97352 www.amequipment.com	
	Title/Name <b>Motor, Wiper, 38Nm, 12V, Dyn. Park, LH Housing</b>		Part Number <b>238-1002</b>		Revision <b>10</b> <small>3/31/2015</small>	Sheet <b>1 OF 3</b>

Dimensions are in: MM [INCHES]

PLUG END VIEW

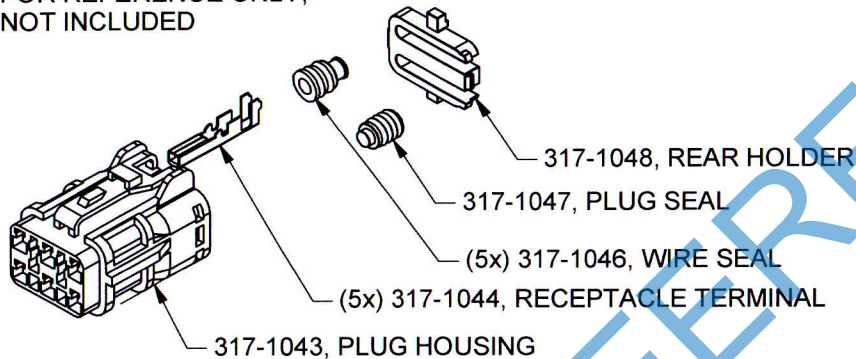


INSPECT LABEL AND LABEL ORIENTATION



MATING CONNECTOR

NOTE:  
 FOR REFERENCE ONLY,  
 NOT INCLUDED



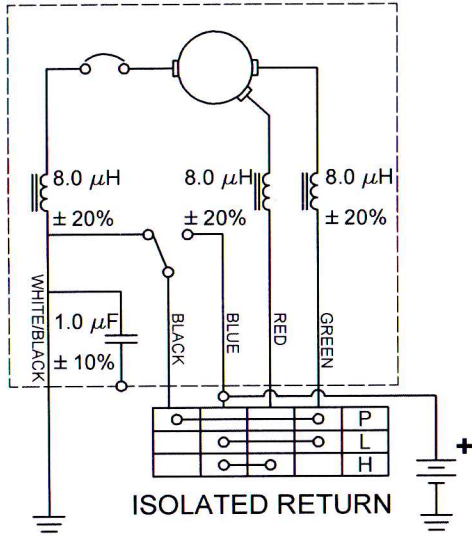
Dimensions are in:  
 MM [INCHES]

Project N/A	Designed by <i>RW</i> 12/5/2002	Checked by <i>RR</i> 3/31/2015	Approved by <i>JS</i> 3/31/2015	Material Specification N/A	Finish Specification N/A	
OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES	UNLESS OTHERWISE SPECIFIED TOLERANCES IN INCHES MM 1 PLACE DEC. = N/A ±0.25 2 PLACE DEC. = ±0.01 ±0.13 3 PLACE DEC. = ±0.005 ±0.08 4 PLACE DEC. = ±0.0025 N/A ANGULAR DIM. = ±1° ±1° DO NOT SCALE DRAWING WORK TO GIVEN DIMENSIONS			 <b>AM EQUIPMENT</b> Jefferson, Oregon 97352 www.amequipment.com THIS DRAWING IS THE SOLE PROPERTY OF AM EQUIPMENT AND CANNOT BE REPRODUCED IN ANY WAY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AM EQUIPMENT	Title/Name Motor, Wiper, 38Nm, 12V, Dyn. Park, LH Housing	
	Part Number 238-1002		Revision 10 3/31/2015		Sheet 2 OF 3	

238 Series Motor 12V

**CCW OUTPUT SHAFT ROTATION**

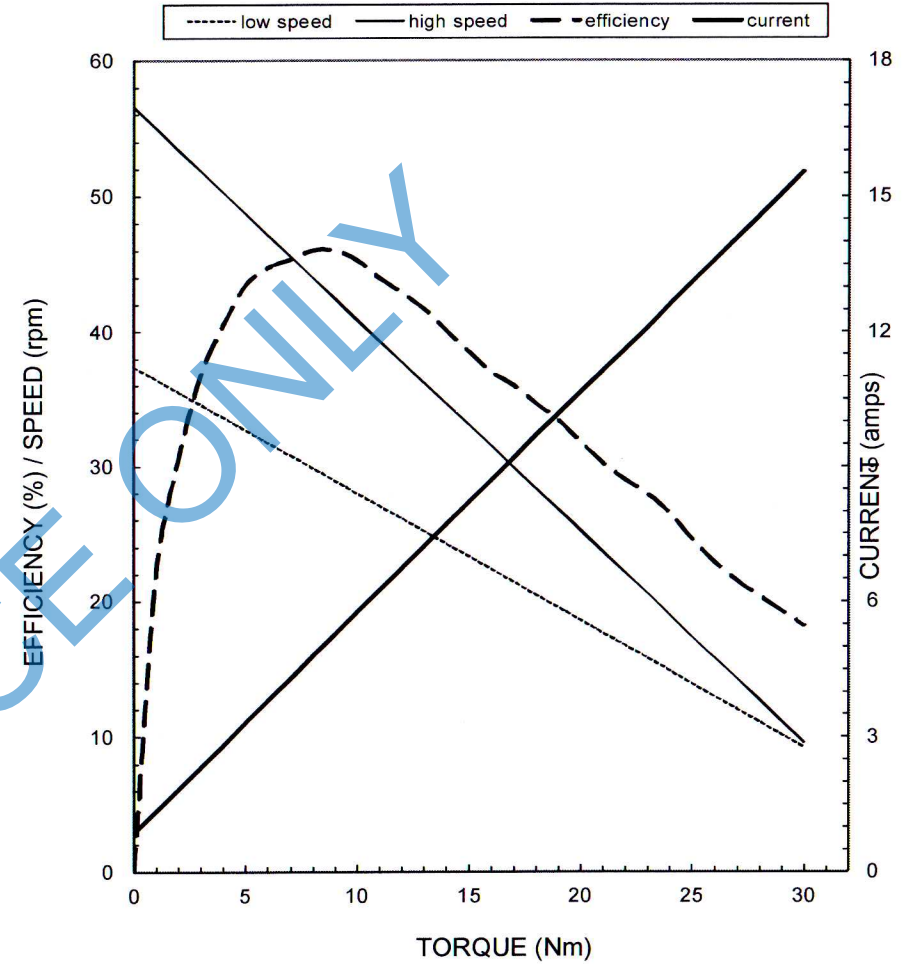
OPERATION	LOAD (Nm)	CURRENT (A)	SPEED (rpm)
LOW	NO LOAD	0.5 - 1.1	27.2 - 40.9
	19.0 Nm	7.1 - 10.8	16.0 - 24.1
HIGH	NO LOAD	1.0 - 2.2	45.6 - 68.5
	19.0 Nm	10.3 - 15.6	19.0 - 28.5



**APPLICATION REFERENCE:**

- FOR HIGHEST DURABILITY USE MOTOR AT OR BELOW PEAK EFFICIENCY TORQUE.
- STALL CURRENT DRAW < 26 AMPS AT ROOM TEMPERATURE.
- NOT INTENDED FOR USE UNDER IMPACT LOADING CONDITIONS.

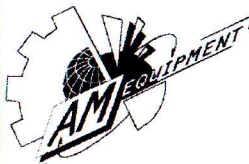
REFERENCE ONLY



**NOTE:**

1. ALL DATA TAKEN AT 13.5 VDC
2. DATA PLOT IS GIVEN AS AVERAGE MOTOR PERFORMANCE
3. DATA CHART IS BASED ON +/- 20% OF NOMINAL MOTOR PERFORMANCE
4. DATA CHART LOAD POINT IS 1/2 OF RATED STALL LOAD
5. ALL 12V 238 MOTOR WINDINGS ARE TO HAVE 0.65x23 TURNS.

Dimensions are in: MM [INCHES]

Project N/A	Designed by CW	Checked by RR	Approved by AS	Material Specification N/A	Finish Specification N/A			
OVALS ARE FOR INCOMING INSPECTION CHECKING PROCESSES	UNLESS OTHERWISE SPECIFIED TOLERANCES IN INCHES MM			 <p><b>AM EQUIPMENT</b> Jefferson, Oregon 97352 www.amequipment.com</p> <p>THIS DRAWING IS THE SOLE PROPERTY OF AM EQUIPMENT AND CANNOT BE REPRODUCED IN ANY WAY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AM EQUIPMENT</p>	Title/Name Motor, Wiper, 38Nm, 12V, Dyn. Park, LH Housing			
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