GM KCDS SHALL BE ADMINISTERED IN ACCORDANCE WITH THE LATEST VERSIONS OF GMW15049 AND KCDS TEMPLATES.

0	0	0	1	LAST NUMBER USED	KPC (KEY PRODUCT CHARACTERISTIC) PQC (PRODUCT QUALITY CHARACTERISTIC) AQC (ATTRIBUTE QUALITY CHARACTERISTIC) DR (DOCUMENTATION REQUIRED)
0	0	0	1	TOTAL BY COLUMN	

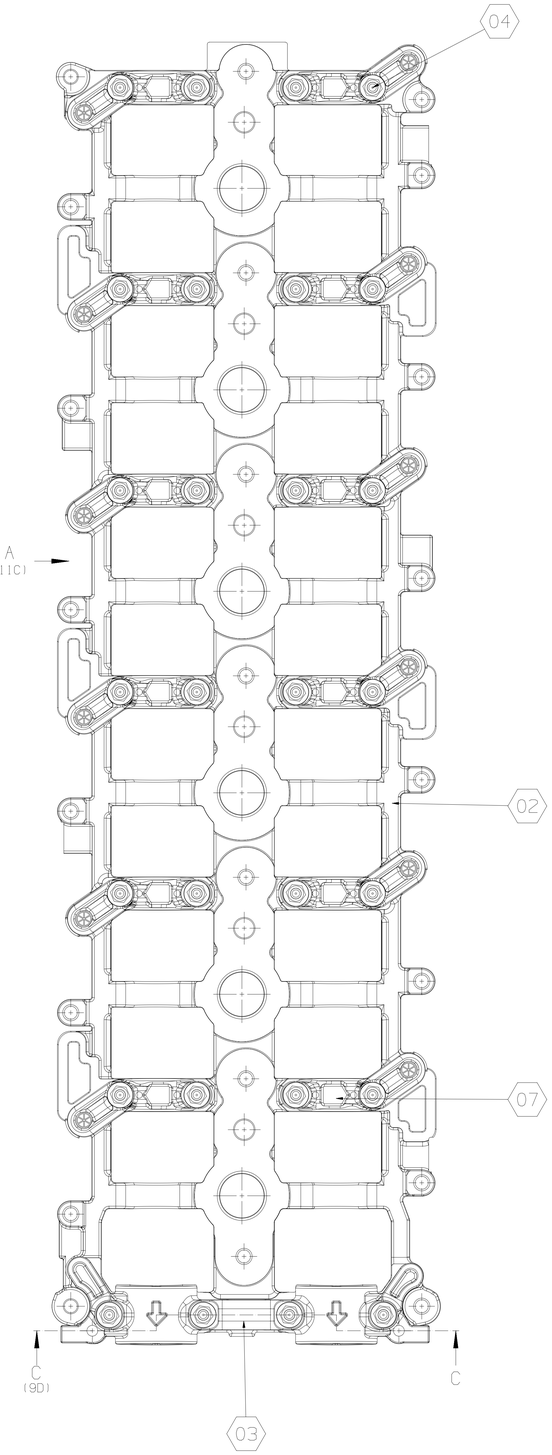
KPC # / KPC NO.	PQC # / PQC NO.	AQC # / AQC NO.	DR # / DR NO.	CHARACTERISTIC	RATIONALE	ZONE	SH	PLCS
			1	RETAINED MATERIAL	FUNCTION / DURABILITY	8G	1	1

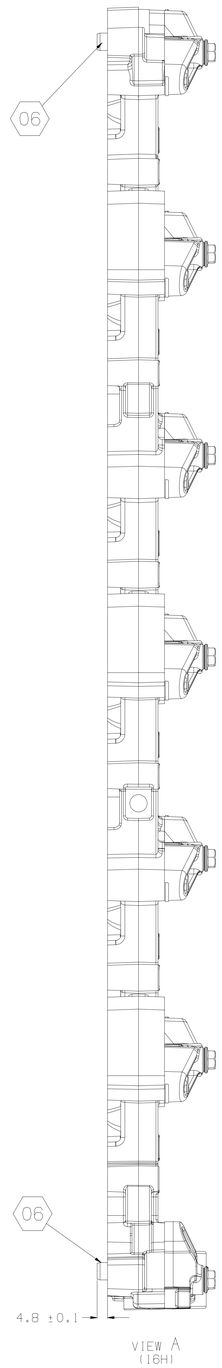
ZONE	DWG STATUS DATE	ST	REV	POS	PDI	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2	APVD 3	APVD 4	APVD 5
	04AP24	R	001			RELEASED TO BETA AT DLS A	BZS5P	ABS					

PRELIMINARY DRAWING

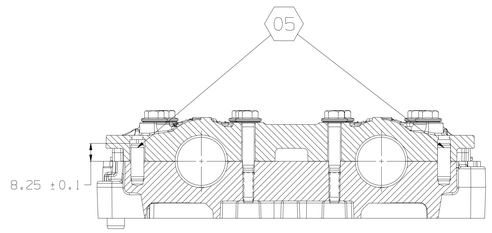
CURRENT TO XXX/XXXX

UNCHECKED AND UNRELEASED





VIEW A
(16H)



SECTION C-C
(16C)

UNLESS OTHERWISE SPECIFIED:

NO WELDING AND / OR IMPREGNATION ALLOWED

ASSEMBLY NOTES:

ITEM 04: TIGHTEN TO 2 Nm MAX

ITEM 05: PRESS FIT INTO ITEM 02

ITEM 06: PRESS FIT INTO ITEM 02

WHERE DIMENSIONS ARE SPECIFIED ON THE DRAWING, THE DRAWING IS THE AUTHORITY FOR DIMENSIONAL VALUES.

WHERE DIMENSIONS ARE NOT SPECIFIED ON THE DRAWING, THE DIGITAL MODEL IS THE AUTHORITY FOR DIMENSIONAL VALUES.

DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE BASIC:
1. FOR RELATIONSHIPS BETWEEN FEATURES WHEN ESTABLISHED BY GEOMETRIC TOLERANCES.
2. FOR THE FORM OF A FEATURE WHEN CONTROLLED BY A PROFILE TOLERANCE.
3. FOR THE SIZE, FORM AND/OR RELATIONSHIP BETWEEN FIXED DATUM TARGETS.

DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE ROUNDED TO TWO DECIMAL PLACES (PER IEEE/ASTM SI 10-2010)

THE DIGITAL MODEL MUST CORRESPOND TO THE RELEASE LEVEL SHOWN IN THE PART BLOCK ON THIS DOCUMENT.

PARTS MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.

PARTS AS DELIVERED TO MACHINING/ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL, AND CORROSION PRODUCTS ADVERSELY AFFECTING FUNCTION OR APPEARANCE.

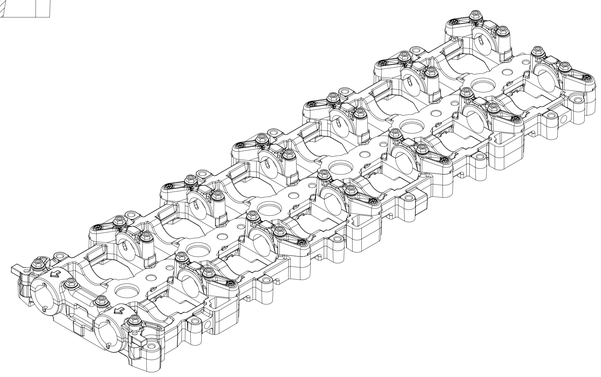
DEBRIS ON FINISHED PARTS SHALL BE MEASURED USING A PROCEDURE (SUCH AS GMW16037) APPROVED BY THE GM MATERIALS ENGINEER, REGULARLY MONITORED AND CONTROLLED USING STATISTICAL METHODS AND UPPER CONTROL LIMITS AS DEFINED IN THE AIAG STATISTICAL PROCESS CONTROL REFERENCE MANUAL, WITH THE UPPER CONTROL LIMITS AND PROCEDURES DEFINED IN THE SUPPLIER PROCESS CONTROL PLAN.

DR 1 DEBRIS SHALL NOT EXCEED VALUES IN THE TABLE BELOW WHEN MEASURED PER Z

CONTROL LOCATION	MAXIMUM MASS DEBRIS ALLOWED
ALL	20 mg

WHERE Z IS THE TEST METHOD SUCH AS GMW16037, ISO 16232 OR VDA 19 AS DEFINED BY THE GM MATERIALS ENGINEER.

FOR SPECIFICATION AND INTERPRETATION OF KCDS BLOCK AND DRAWING SYMBOLS, SEE GM GLOBAL KCDS STANDARD GMW15049 AND GENERAL MOTORS PROCEDURE ETQ-114.



ISOMETRIC VIEW

HIERARCHY /QUANTITY	DWG ITM	ZONE	DWG RLTN SHIP	PART NUMBER	DLS	REV LVL	PDI	CALC MASS (kg)	PART NAME	COMMENT
	12	07	13E	24001910	C	003			CAP-CM/SHF BRG	
	2	06	12L	12656799	A	002			PIN-CM/SHF BRG CAP LOC	
	2	05	9F	12668731	A	003			PIN-ENG FRT CVR LOC	
	28	04	13M	55490850	B	005			BOLT/SCREW-CM/SHF BRG CAP	
	1	03	15B	55490592	D	006			CAP-CM/SHF BRG RR	
	1	02	13G	40009545	A	001			CARRIER ASM-CM/SHF	
	A	01		RD 40009546	A	001		3.0683	HOUSING ASM-CM/SHF	

PARTS SHOWN ON DRAWING

SURFACE ROUGHNESS PER GMW16676

WORKPIECE EDGES PER ISO 13715

VIEWS AND SECTIONS ON THIS DRAWING ARE IN ACCORDANCE WITH GM S1100-2

RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-2018 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-2020 (GMW16812)

CHANGE RESTRICTED NO MANUAL CHANGES

FOR FURTHER DRAFTING STANDARDS SEE GM S1100

METRIC

DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED

REFERENCE		DATE
	DRAFTER A.BARRESI	04AP24
	APVD1	
	APVD2	
	APVD3	
	APVD4	
	APVD5	

DRAWING NAME: HOUSING ASM-CM/SHF

SIZE	DRAWING NUMBER	DWG STATUS ST	REV	PDI	SHEET NUMBER
A0	40009546	R	001		1 OF 1

GENERAL MOTORS