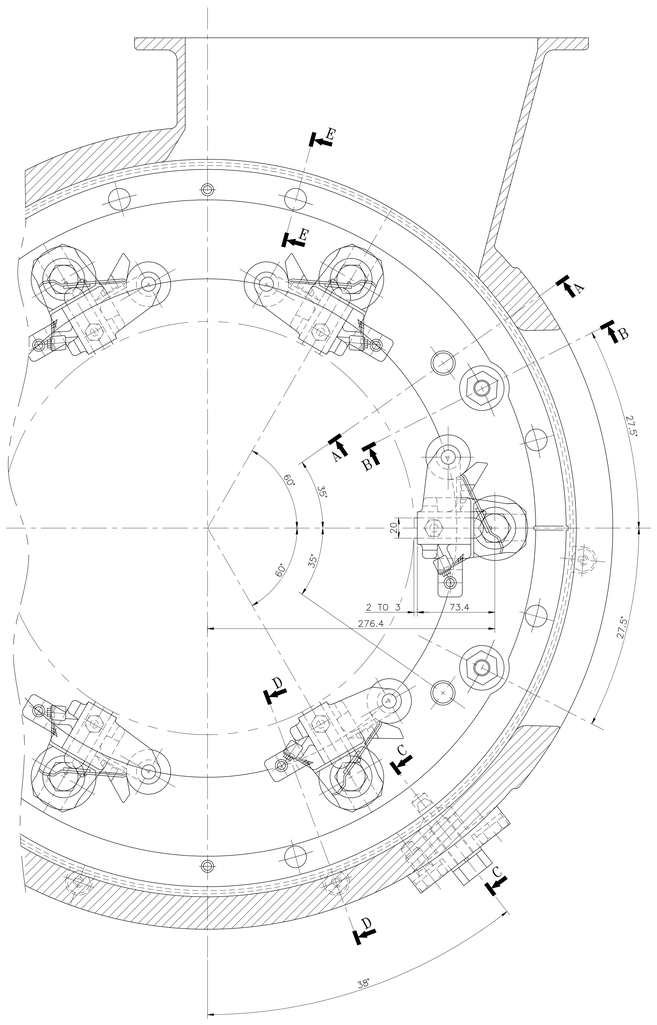
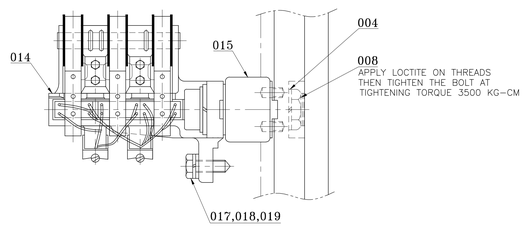
FIRST ANGLE PROJECTION

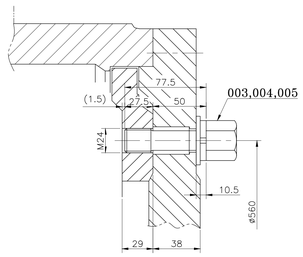
(ALL DIMENSIONS ARE IN mm)

DRG. NO. 0 439 20 60 051

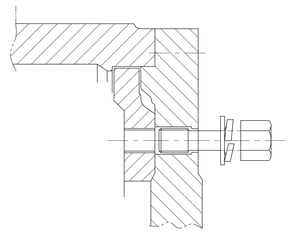


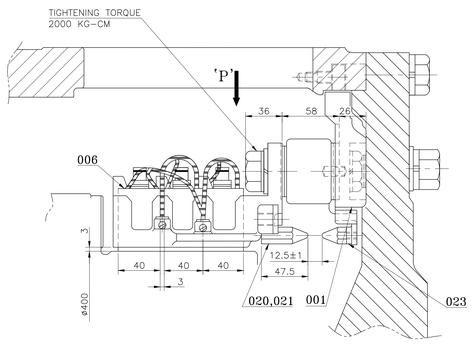


VIEW–'P'

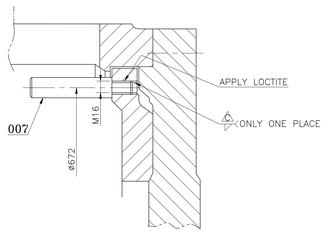


SECTION–'AA'





BRUSH LEADS OF RISER SIDE BRUSH & CENTRAL BRUSH ARE TO BE CROSSED TIGHTEN AS SHOWN

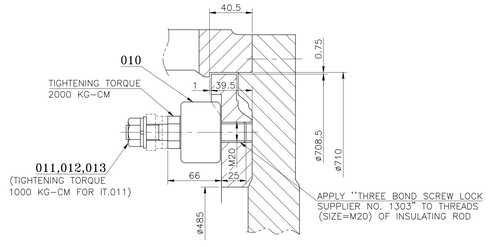


SECTION–'EE'

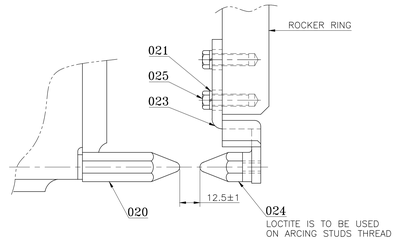
NOTES:–

1. ITEM NOS. 002, 003, 004, 005, 006 & 009 TO DRG. NO. 04392060051 WILL NOT BE SUPPLIED ALONG WITH ROCKER ASSY. TO BE PURCHASED.
2. THIS DRG. IS EQUIVALENT TO CLW DRG. NO. 10Q750–249, ALT.H.
3. TM10896 SHELL BE PART OF THIS DRAWING FOR ASSEMBLY & TESTING OF ROCKER ASSEMBLY COMPLETE.

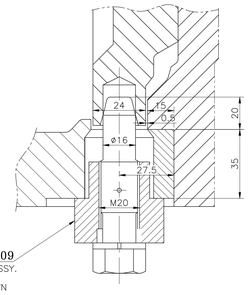
TOOL LIST		
ITEM	TOOL NO.	DESCRIPTION
ASSY.	1571115	BRUSH GEAR SETTING FIXTURE
ASSY.	1571444	ROCKER CHECKING FIXTURE
ASSY.	1579340	GAUGE FOR CHECKING ARCING HORN GAP 11.5–13.5MM.



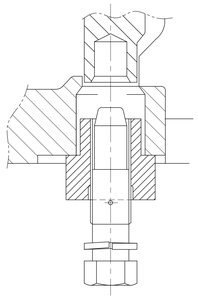
SECTION–'BB'

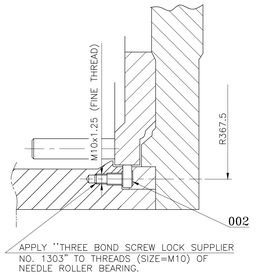


ARCING STUD FIXING POSITION



SECTION–'CC'





SECTION–'DD'

QTY.	REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	STD.		IT.NO. / VAR.	MATL. CODE / MATL. SPCN.	CAT.	UNIT	UNIT WT. / QTY.	GR.	ZONE
								28 ——— CARD TYPE-1					
012	Zn.PLATED		025	SCREW M8x20, P8.8				IS:1364PT.292 / ISO 4017'88		KG	0.005		
006			024	ARCING STUD		34392060060	004			KG	0.05		
006			023	ARCING STUD FIXING BRACKET		34392060060	00			KG	0.15		
~~002~~			~~022~~	~~SCREW HEX. HD. M12x35–8.8 ST.~~						KG	~~0.045~~		
012	Zn.PLATED		021	SPRING WASHER M8				IS:3063'94		KG	0.003		
006	Zn.PLATED		020	ARCING STUD		34392060060	005			KG	0.057		
006	Zn.PLATED		019	WASHER MCD. M12				IS:2016'67 / JIS B1256		KG	0.006		
006	Zn.PLATED		018	SPRING WASHER M12				IS:3063'94 / JIS B1251		KG	0.004		
006	Zn.PLATED		017	HEX.HD.SC M12x25–8.8–ST				IS:1364(PART–2)'92 / JIS B1180		KG	0.041		
001			016	CONNECTOR ASSY.		14392060059	00			KG	4.11		
006			015	INSULATION ROD		24392060059	00			KG	2.2		
006			014	BRUSH HOLDER ASSY.		14392060056	00			KG	3.80		
004	Zn.PLATED		013	WASHER MCD. M16 ST				IS:2016'67 / JIS B1256		KG	0.018		
002	Zn.PLATED		012	WASHER SPRING SC M16 – ST				IS:3063'94 / JIS B1251		KG	0.009		
002	Zn.PLATED		011	HEX. NUT M16–8				IS:1364(PART–3)'92 / ISO 4032'86		KG	0.071		
002			010	INSULATION ROD		24392060060	00			KG	0.55		
001			009	ROCKER RING FIXING ASSY.		24392060053	00			KG	1.09		
006	IS:1364		008	SCREW M24X30, P8.8		44392060067	001			KG	0.30		
007			007	HANDLE		44392060056	001			KG	0.26		
018			006	SPLIT CARBON BRUSH		34392060052	001			KG	0.1		
004	Zn.PLATED		005	WASHER MCD. B24 ST				IS:2016'67 / JIS B1256		KG	0.31		
010	Zn.PLATED		004	WASHER SPRING B24 ST				IS:3063'94 / JIS B1251		KG	0.027		
004			003	SPECIAL BOLT		44392060057	001			KG	0.42		
004			002	NEEDLE ROLLER BEARING		34392060051	001			KG	0.13		
001			001	ROCKER		14392060058	00			KG	42.15		

ADDITIONAL INFORMATION
10Q750–249

STATUS OF DRAWING

DISTRIBUTION OF PRINTS
TME – 1
TXM – 4
TNX – 1

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT: HS15250A 25 KV AC LOCO

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
भोपाल
BHARAT HEAVY ELECTRICALS LTD.
BHOPAL

	NAME	SIGN	DATE
DRN	C.K.S.B.	–sd–	20.9.10
CKD	D.K.	–sd–	20.9.10
APPD	S.PAL	–sd–	20.9.10

DEPT. TME | UNTOLERANCING OR – | SCALE NTS | WEIGHT (KG) 94.58 | REF. TO ASSY. DRG. – | ITEM NO. – | NO. OF ITEM 024

CODE 405

TITLE: MODIFIED ROCKER ASSY.

DRAWING NO. 0 439 20 60 051 REV. 04

SHT. No. 01 NO. OF SHT. 01

REV.	DATE	ALTERED / CHECKED / APPROVED	DESCRIPTION
04	10.11.10		IN TOOL LIST, TOOL NO. 1579340 ADDED & DRG. DIGITIZED. (TCM–347)
03	29.08.13	ASWINI / S.PAL / S.PAL	NOTE–3 ADDED.
02	22.01.11	CKSB / DK / S.PAL	BOM UPDATED.
01	20.10.10	RBV / DK / S.PAL	A–9 IN SECTION–'AA' DIMS. 77.5, 50 & 38 WERE 76, 38 & 32. DIM. 10.5 WAS NOT ON AND DIM. 6 WAS ON. IN SECTION–'BB' DIM. 66 WAS 51. DIM. 47.5 WAS NOT ON. (C–6).

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INVENTORY NO. | SIGN AND DATE | REF. DRG. NO.

A0