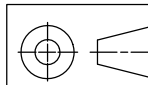


- (A) = 4 X M5 X 16mm SCREW
- (B) = 4 X WASHER
- (C) = BASHGUARD
- (D) = 4 X BOLT
- (E) = BIG CHAINRING [NOT SUPPLIED]
- (F) = CRANKSET [NOT SUPPLIED AND SPINDLE NOT SHOWN]
- [G] = SMALL CHAINRING [NOT SUPPLIED]
- (H) = 4 X 8.75mm CHAINRING NUT

**NOTE:** THE FRONT DERAILLEUR'S HEIGHT MAY NEED TO BE ADJUSTED SO THAT THE BOTTOM EDGE OF THE CAGE DOES NOT INTERFERE WITH THE OUTSIDE DIAMETER OF THE BASHGUARD. FURTHER FRONT DERAILLEUR ADJUSTMENT POST-INSTALLATION OF THE BASHGUARD WILL BE REQUIRED TO ENSURE PROPER OPERATION OF THE FRONT DERAILLEUR.

**ISOMETRIC VIEW**

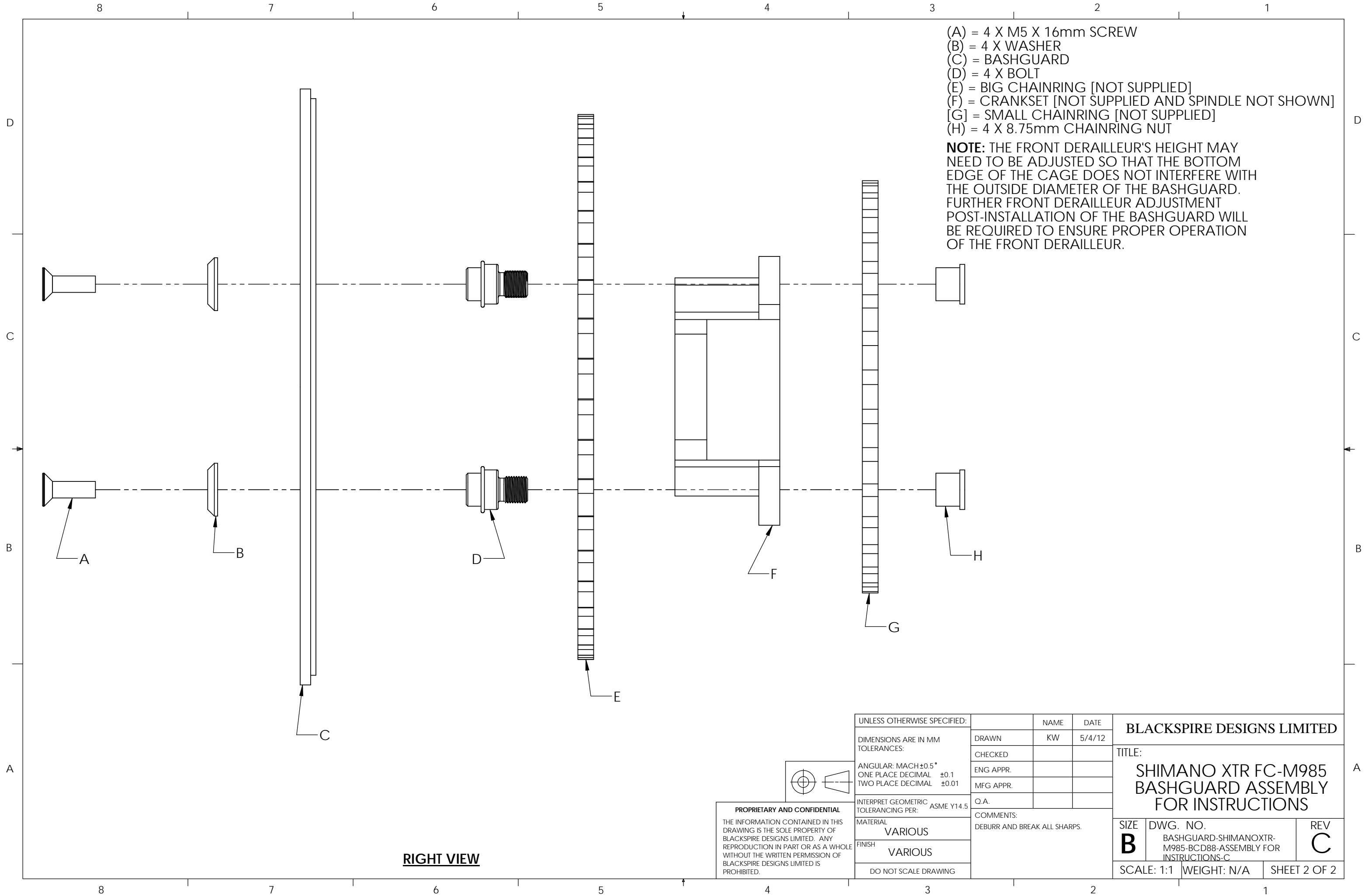


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UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN MM	
TOLERANCES:	
ANGULAR: MACH±0.5°	
ONE PLACE DECIMAL ±0.1	
TWO PLACE DECIMAL ±0.01	
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	
MATERIAL	VARIOUS
FINISH	VARIOUS
DO NOT SCALE DRAWING	

NAME	DATE
DRAWN	KW 5/4/12
CHECKED	
ENG APPR.	
MFG APPR.	
Q.A.	
COMMENTS: DEBURR AND BREAK ALL SHARPS.	

<b>BLACKSPIRE DESIGNS LIMITED</b>		
TITLE: <b>SHIMANO XTR FC-M985 BASHGUARD ASSEMBLY FOR INSTRUCTIONS</b>		
SIZE <b>B</b>	DWG. NO. BASHGUARD-SHIMANOXTR-M985-BCD88-ASSEMBLY FOR INSTRUCTIONS-C	REV <b>C</b>
SCALE: 1:1	WEIGHT: N/A	SHEET 1 OF 2

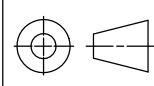


- (A) = 4 X M5 X 16mm SCREW
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**RIGHT VIEW**

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UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN MM	
TOLERANCES:	
ANGULAR: MACH ±0.5°	
ONE PLACE DECIMAL ±0.1	
TWO PLACE DECIMAL ±0.01	
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	
MATERIAL	VARIOUS
FINISH	VARIOUS
DO NOT SCALE DRAWING	

DRAWN	NAME	DATE
CHECKED	KW	5/4/12
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS: DEBURR AND BREAK ALL SHARPS.		

BLACKSPIRE DESIGNS LIMITED		
TITLE: SHIMANO XTR FC-M985 BASHGUARD ASSEMBLY FOR INSTRUCTIONS		
SIZE <b>B</b>	DWG. NO. BASHGUARD-SHIMANOXTR- M985-BCD88-ASSEMBLY FOR INSTRUCTIONS-C	REV <b>C</b>
SCALE: 1:1	WEIGHT: N/A	SHEET 2 OF 2