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## **SCRA STEERING ANGLE SENSOR INSTALLATION**

**NOTE:** THIS IS A GUIDE ON HOW TO MOUNT STEERING ANGLE SENSOR TO HOLDEN COMMODORE VN/VP UNFORTUNATELY DUE TO THE DIFFERENT CONFIGURATIONS OF STEERING WHEEL/BOSS COMBINATIONS MODIFICATIONS TO THE BOSS MAY BE REQUIRED TO FIT THE DRIVE PULLEY

- **STEP 1**

SET WHEELS OF VEHICLE IN THE STRAIGHT AHEAD POSITION.REMOVE STEERING WHEEL/BOSS ASSEMBLY & COLUMN SHROUDS.SLIDE PULLEY OVER SHAFT AND AFFIX TO COLUMN VIA GRUB SCREW.IN SOME INSTANCES IT MAY BE NECESSARY TO MACHINE SOME MATERIEL OFF THE BACK OF THE BOSS TO ACCOMMODATE THE PULLEY ON THE SHAFT.

ON THE COLUMN BEARING HOUSING/DIP SW MOUNT DRILL A HOLE TO FACILITATE MOUNTING OF SENSOR ASSEMBLY. REFER PHOTO 1 .

- **STEP 2**

FIT SENSOR ASSEMBLY.CENTRALISE SENSOR SO THAT IT IS IN THE MIDDLE OF IT'S SPAN (10 REVOLUTION SENSOR - SET SO THAT WITH WHEELS STRAIGHT AHEAD SENSOR IS AT 5 REVOLUTIONS,THIS WILL GIVE 5 REVOLUTIONS ON LEFT LOCK AND 5 REVOLUTIONS ON RIGHT LOCK ).FIT DRIVE BAND.PLUG SENSOR INTO APPROPRIATE CHANNEL RE ASSEMBLE COLUMN.REFER PHOTO 2.



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- **STEP 3**

CONFIGURE LOGGER CHANNEL AS FOLLOWS :  
IT IS RECOMMENDED TO SET STEERING ANGLE TO  
CH1,3,4,6,7 ON MXL AS THESE CHANNELS SUPPORT A  
SAMPLING RATE OF 500hz.

**CHANNEL NAME:** STEERING ANGLE

**SAMPLING RATE:**500hz

**SENSOR TYPE:**MID ZERO POTENTIOMETER

**MEASURE:**DEG.1

**LOWER BOUND:**DEG READING FOR FULL LEFT LOCK  
WHERE 0 DEG IS STRAIGHT AHEAD

**UPPER BOUND:** DEG READING FOR FULL RIGHT LOCK  
WHERE 0 DEG IS STRAIGHT AHEAD

REFER PHOTO 3 SCREENSHOT

- **STEP 4**

CLICK ON CALIBRATE AND FOLLOW SCREEN  
INSTRUCTIONS.UNDER MEASURE BOX TYPE IN HOW MANY  
DEGREES THE CARS WHEEL TURNS FOR EACH  
POSITION EG RIGHT LOCK,STRAIGHT AHEAD,LEFT LOCK.  
ONCE CALIBRATED TRANSMIT CONFIGURATION TO  
LOGGER.THEN GO ONLINE AND CHECK THAT THE VALUES  
DISPLAYED LOOK CORRECT.  
REFER PHOTO 4 SCREENSHOT.



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PHOTO 1



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PHOTO 2



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PHOTO 3