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# THE VINYL **ENGINE**®

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# **GYRO Dec SETTING UP INSTRUCTIONS**

## **Use for Gyro 'SE' but without plinth and dust cover**

- (1).** Open carton and remove internal carton containing base and cover, lift base and cover unit from carton and remove dust cover. Carefully lift out platter motor housing psu etc. Remove large polystyrene housing to enable removal of aluminium chassis from bottom of carton.( Gyro 'SE') also remove spyder from underside of polystyrene housing.
- (2)** Screw the three standing feet onto the threaded studs on the underside of the base do not tighten, these feet are used for levelling at step 9.
- (2a)** For Gyro 'SE' only. Screw the three standing feet onto the threaded studs on underside of spyder do not tighten, place unit in final position and level by adjusting the standing feet.
- (3)** Place motor housing at approx. resting position. Carefully lift acrylic base (Not applicable Gyro 'SE') and locate over motor housing through large hole on left hand side of acrylic base.
- (4)** Locate the three threaded spring adjusting supports onto the three stainless suspension pillars located on top of the acrylic base ( Spyder Gyro 'SE'), make sure not to lose thrust balls from inside of threaded spring adjusting supports, screw spring assys onto threaded spring adjusting supports to leave approx. 5mm of thread protruding.
- (5)** Fit your preferred arm and cartridge and mount on to chassis using the correct 'Arm Adaptor Plate' together with three spacers, socket screws and socket key contained in plastic bag. **Note :** it is essential that the correct Arm Adaptor Plate be used. Check with your Authorised Dealer.
- (5a)** **Note :** For Gyro 'SE' being used with heavy arm cables 'ie' SME. One of the three arm adaptor plate screws is supplied longer ,together with spacer P clip and locking screw to enable cable to be clamped horizontally from underside of chassis.
- (6)** Carefully withdraw spindle shaft from bearing assembly taking care not to lose thrust ball at top of spindle hole. Screw spindle into threaded centre hole from the underside of the chassis using coin or similar object inserted into slot at the end of spindle assembly and tighten.
- (6a)** Lower the assembled chassis over the motor housing and at same time over the three spring adjusting supports, ensuring the three springs bases and PTFE spacers (white) are seated correctly into the counterbored holes on the underside of the chassis casting.
- (7)** Pour into aluminium spindle - well the amount of oil provided in container to the depth of approximately 2mm . Carefully replace bearing housing on to spindle shaft making sure thrust ball is in position.  
**NOTE : THIS BEARING IS THE LATEST STATE OF THE ART HIGH PRECISION ASSEMBLY, AND CARE SHOULD BE TAKEN TO AVOID DAMAGE, DO NOT USE FORCE**
- (8)** Remove the knurled platter nut from the spindle, fit the platter and secure it with the platter nut ensuring that the recessed side is faced downwards.
- (9)** Place the assembled GyroDec unit in its final position and level the baseboard by adjusting the three standing feet ( Not applicable Gyro 'SE' ).
- (10)** By adjusting the knurled portion of the three spring adjusting supports level the turntable to the baseboard ( Spyder Gyro 'SE' ) making sure the chassis is freely suspended with approx 1-2 mm clearance between base of chassis and felt pads. By rotating the springs anti clockwise centralize the three spring adjusting supports in the holes of the aluminium chassis to centralize chassis and achieve correct bounce.

**IMPORTANT NOTE : TIME SPENT PERFECTING THIS ADJUSTMENT WILL GIVE OPTIMUM SOUND QUALITY.**

(11) Fit drive belt around the smaller groove in pulley and lower groove in platter. The larger groove in pulley will give 45 rpm .

(12) Make final adjustments to the arm and cartridge noting that when connecting heavy phono cables to amplifier the cables leading from the underside of baseboard must not rest upon the surface on which unit stands as it will influence the free movement of chassis suspension. A cable clamp is provided to enable this procedure.

(13) Finally, replace the dust cover.

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## CARE AND MAINTENANCE

Once your Gyrodec has been installed and operating , very little maintenance is necessary but should the unit require servicing we recommend that this is carried out by one of our Authorised Dealers.

A regular light application of quality furniture polish from an aerosol spray will keep the unit and its fittings in pristine condition. Stubborn surface stains can be removed by careful use of lead free petroleum sprit (proprietary brand lighter fuel) but no account resort to abrasive polishes as they can remove surface finish.