MID UNIT

CONTENTS

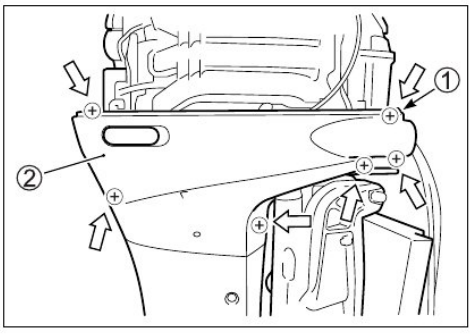
ENGINE SIDE COVER 7- 2
REMOVAL 7- 2
INSTALLATION 7- 2
DRIVESHAFT HOUSING AND OIL PAN 7- 3
REMOVAL 7- 3
INSPECTION 7- 9
ASSEMBLY 7-12
SWIVEL BRACKET, STEERING BRACKET AND CLAMP BRACKET 7-19
REMOVAL 7-19
INSPECTION 7-22
REASSEMBLY 7-23
WATER PRESSURE VALVE 7-28
REMOVAL 7-28
INSPECTION 7-28
INSTALLATION 7-28

APERÇU — Engine Manual — fichier complet disponible après achat

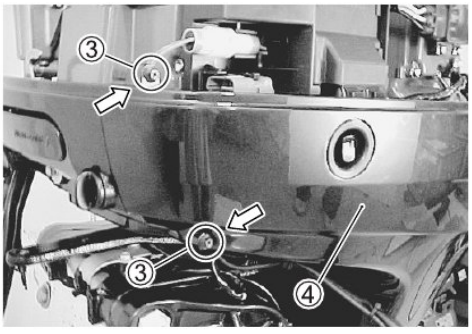
ENGINE SIDE COVER

REMOVAL

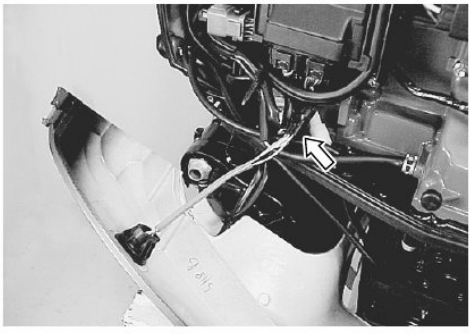
Remove six (6) screws ① and STBD side cover ②.



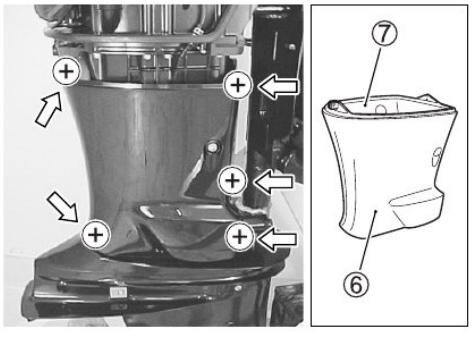
Remove two (2) screws ③ and PORT side cover ④.



Disconnect PTT switch lead connector.



Remove five (5) screws ⑤ and STBD/PORT oil pan covers ⑥/⑦.



INSTALLATION

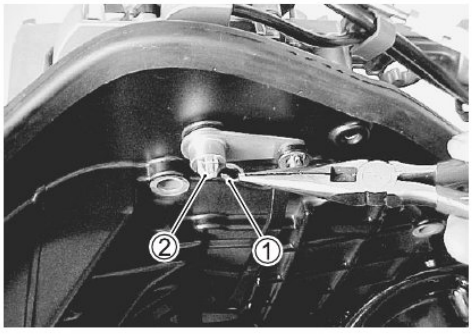
Installation is reverse order of removal.

APERÇU — Engine Manual — fichier complet disponible après achat

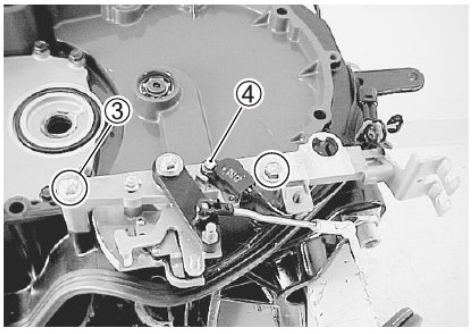
DRIVESHAFT HOUSING AND OIL PAN

REMOVAL

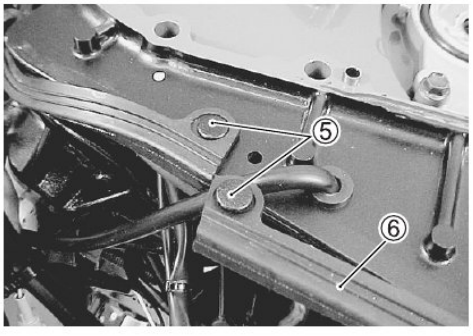
Remove power unit. (See page 6-15 to 6-20.)
Remove lower unit. (See page 9-2.)
Remove E-ring ① from clutch lever shaft ②.



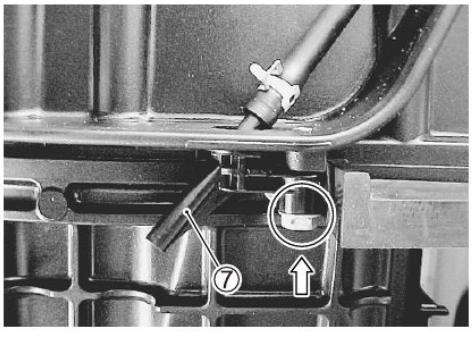
Remove two (2) bolts ③ and throttle lever holder ④.



Remove pins ⑤ and side cover seal ⑥.

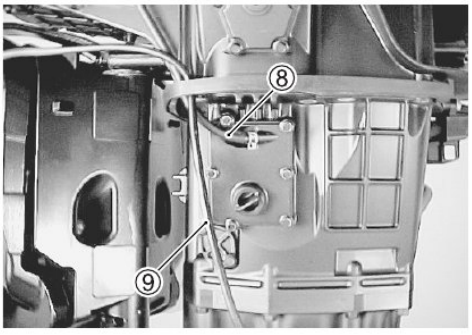


Remove bolt and pilot water tube ⑦.

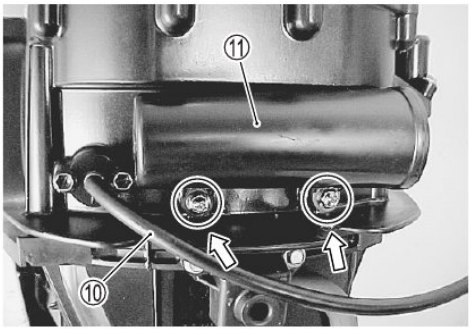


APERÇU — Engine Manual — fichier complet disponible après achat

Disconnect water outlet hose ⑧ from oil pan water jacket cover.
Remove speedometer pick up tube ⑨ from driveshaft housing.



Remove water outlet hose ⑩ from engine holder.
Remove bolts and vacuum tank ⑪.

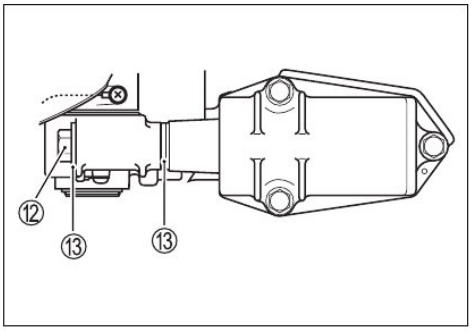


Operate the PTT motor to extend the PTT rod upward.

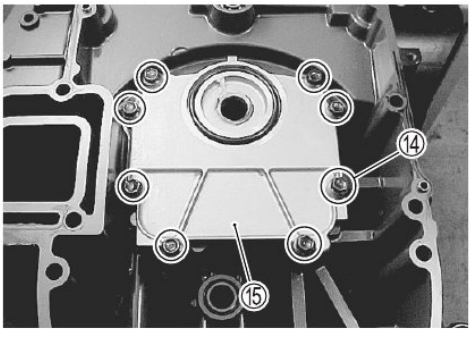
09945-79310: PTT cable extension

Unscrew and remove STBD/PORT lower mount bolts ⑫.
Account for washers ⑬.



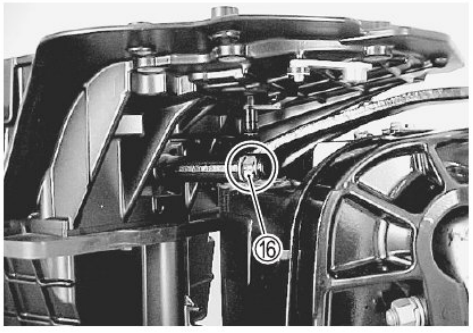


Remove eight (8) bolts ⑭ and the mount·oil seal cover ⑮.
Account for two (2) dowel pins.

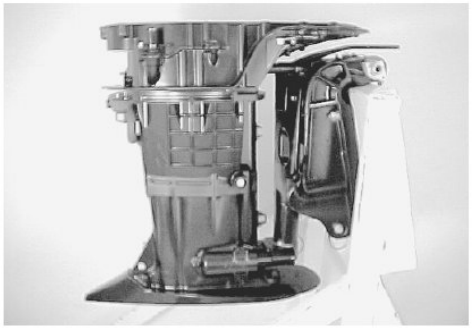


APERÇU — Engine Manual — fichier complet disponible après achat

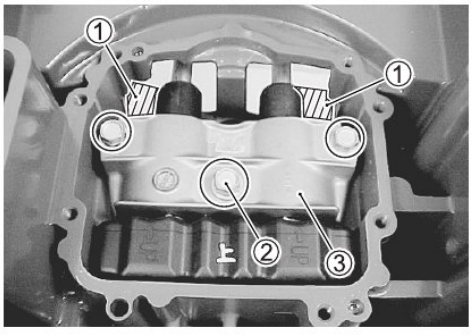
Remove STBD/PORT upper mount nuts ⑯ and washers.



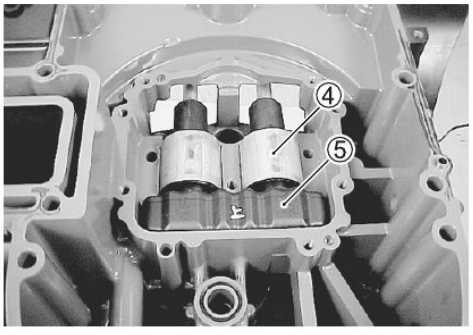
Remove driveshaft housing with oil pan.

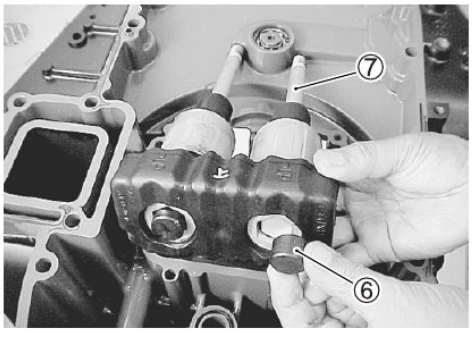


Remove the upper side mounts ①.
Remove three (3) bolts ② and upper mount cover ③.



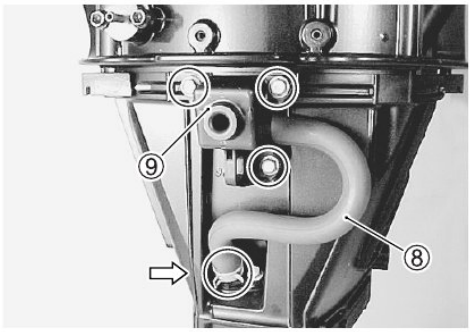
Remove upper mounts ④, thrust mount ⑤, stopper ⑥ and mount bolts ⑦.



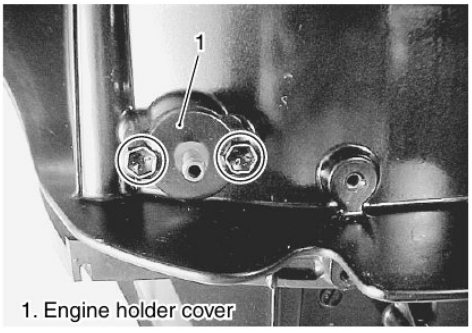


APERÇU — Engine Manual — fichier complet disponible après achat

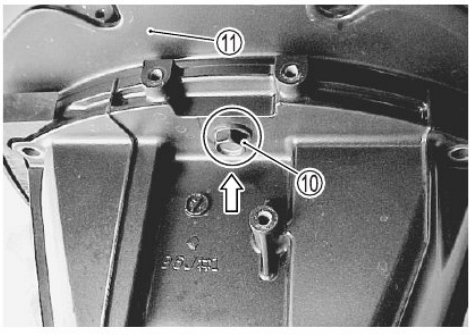
Loosen the clamp securing exhaust hose ⑧, then remove the exhaust hose from exhaust pipe.
Remove the three (3) bolts securing exhaust relief pipe ⑨, then remove exhaust relief pipe.

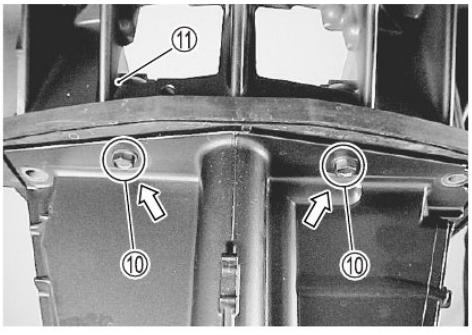


Remove two (2) bolts and engine holder cover.



Remove three (3) bolts ⑩ and engine holder ⑪.



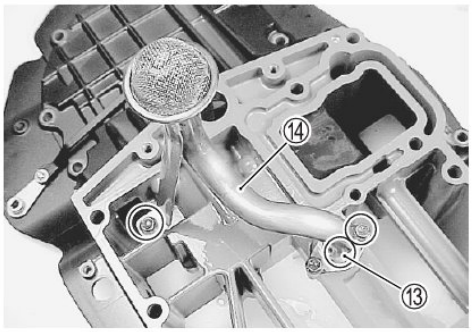


Remove six (6) bolts and water jacket cover ⑫.

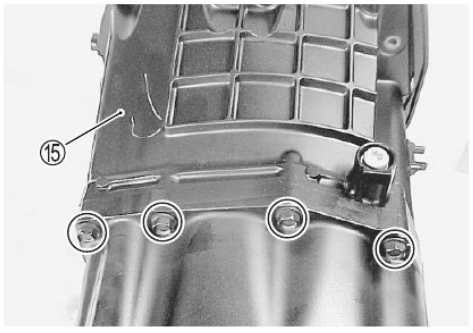


APERÇU — Engine Manual — fichier complet disponible après achat

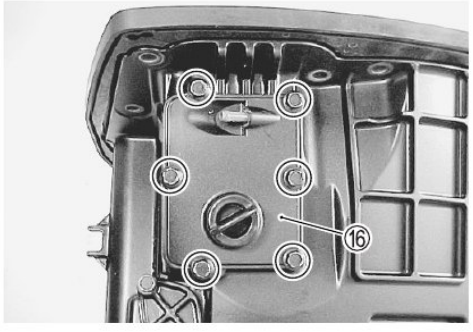
Remove three (3) bolts ⑬ and oil strainer ⑭.



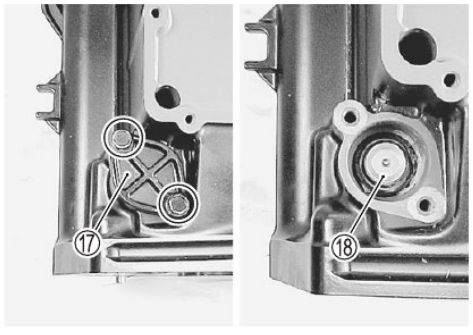
Remove eight (8) bolts, then remove oil pan ⑮.



Remove six (6) bolts and oil pan water jacket cover ⑯.



Remove bolts, water pressure valve cover ⑰ and water pressure valve ⑱.

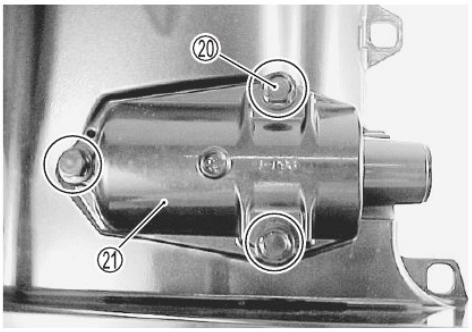


Remove water tube ⑲.

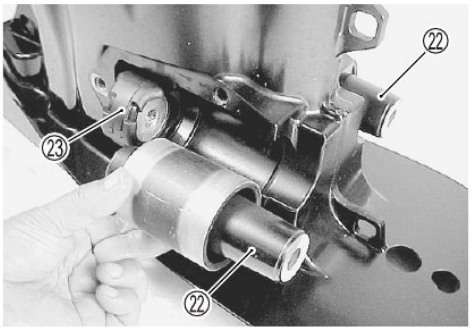


APERÇU — Engine Manual — fichier complet disponible après achat

Remove bolts ⑳ and lower mount covers ㉑.



Remove lower mounts ㉒ and lower thrust mount ㉓.



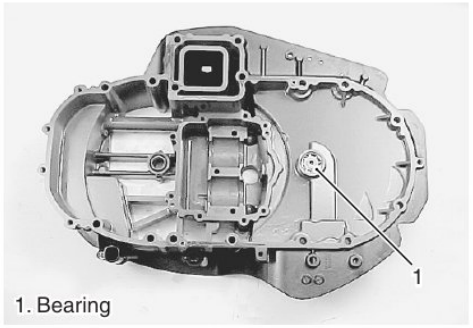
APERÇU — Engine Manual — fichier complet disponible après achat

INSPECTION

NOTE:
If any component is found to be excessively worn, cracked, defective or damaged in any way, it must be replaced.

ENGINE HOLDER

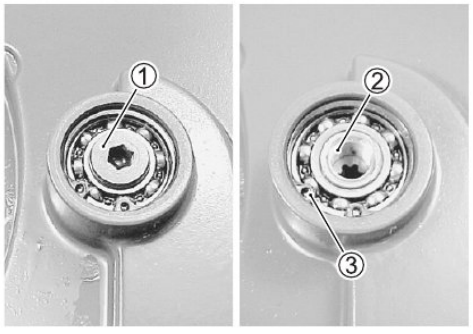
- Inspect engine holder. Replace if cracked, damaged, or other abnormal condition.
- Check water passage. If clogged or obstructed, clean water passage.
- Visually check the clutch shaft bearing. Replace if pitted, noisy, rough or other abnormal condition.
- Check clutch shaft oil seal. Replace oil seal if nicked, cut, worn or other abnormal condition.



1. Bearing

Replacing bearing and oil seal

1. Loosen and remove clutch shaft plug ①.
   Remove clutch shaft ②.
2. Remove circlip ③.

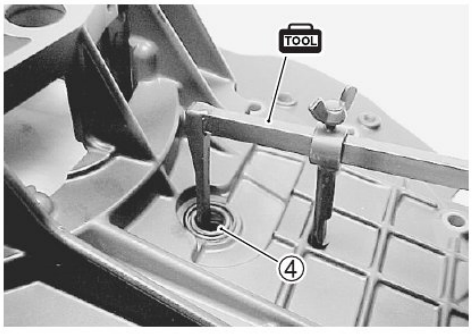


3. Extract oil seal ④ with oil seal remover.

TOOL **09913-50121: Oil seal remover**

CAUTION

Do not reuse oil seal once removed.
Always use a new oil seal.

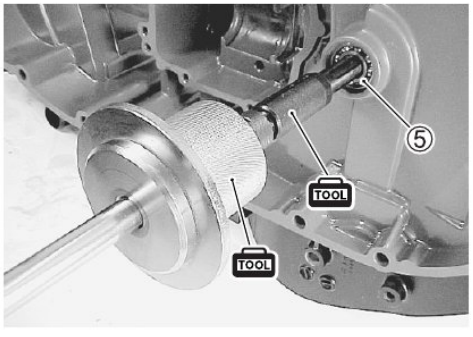


4. Remove bearing ⑤ with special tool and sliding hammer.

TOOL **09923-73210: Bearing remover**
09930-30104: Sliding hammer

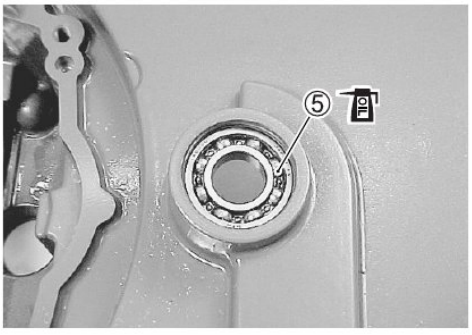
CAUTION

Do not reuse the bearing once removed.
Always use a new bearing.



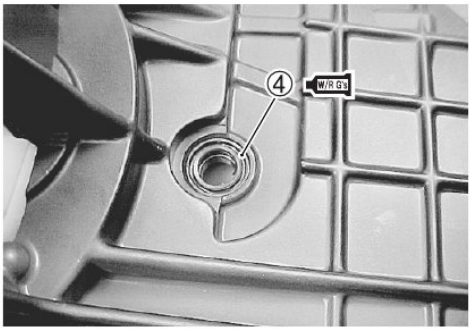
APERÇU — Engine Manual — fichier complet disponible après achat

5. Apply engine oil to outer circumference of bearing ⑤.
   Install bearing into engine holder.



6. Apply Water Resistant Grease to outer circumference of oil seal ④.
   Drive oil seal into engine holder.
   The lipped portion of seal must face towards the flywheel.
   Apply Water Resistant Grease to the seal lip.

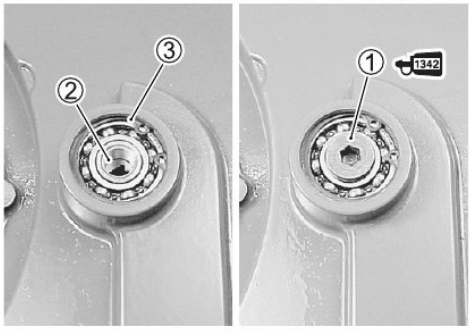
W/R G's 99000-25160: SUZUKI WATER RESISTANT GREASE



7. Install circlip ③.
8. Install clutch shaft ②.
   Tighten clutch shaft plug ①, pre-coated with thread lock, to specified torque.

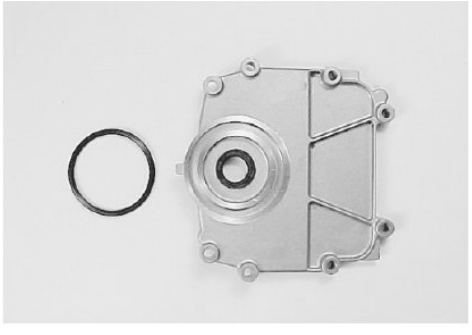
1342 99000-32050: THREAD LOCK "1342"

Clutch shaft plug: 85 N·m (8.5 kg-m, 61.5 lb-ft)

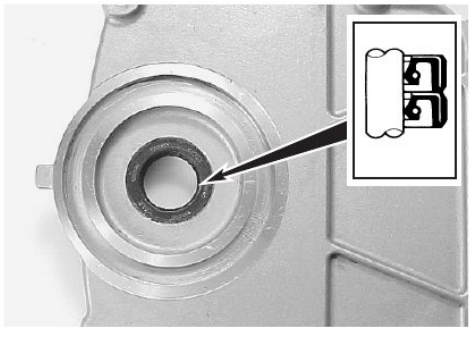


MOUNT·OIL SEAL COVER

- Inspect mount·oil seal cover. Replace if cracked, damaged or other abnormal condition.
- Check condition of O-ring. Replace O-ring if nicked, cut, worn or other abnormal condition.
- Check condition of oil seal. Replace oil seal if nicked, cut, worn or other abnormal condition.



NOTE:
Install oil seal with lip (spring side) facing downward (oil pan side).



APERÇU — Engine Manual — fichier complet disponible après achat